

Dell EMC NetWorker

Version 19.2

REST API Reference Guide

Rev 01

November, 2019

Copyright © 1990-2019 Dell Inc. or its subsidiaries All rights reserved.

Dell believes the information in this publication is accurate as of its publication date. The information is subject to change without notice.

THE INFORMATION IN THIS PUBLICATION IS PROVIDED “AS-IS.” DELL MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WITH RESPECT TO THE INFORMATION IN THIS PUBLICATION, AND SPECIFICALLY DISCLAIMS IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. USE, COPYING, AND DISTRIBUTION OF ANY DELL SOFTWARE DESCRIBED IN THIS PUBLICATION REQUIRES AN APPLICABLE SOFTWARE LICENSE.


Dell Technologies, Dell, EMC, Dell EMC and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be the property of their respective owners. Published in the USA.

Dell EMC
Hopkinton, Massachusetts 01748-9103
1-508-435-1000 In North America 1-866-464-7381
www.DellEMC.com

Preface

As part of an effort to improve its product lines, Dell EMC periodically releases revisions of its software and hardware. Therefore, some functions that are described in this document might not be supported by all versions of the software or hardware currently in use. The product release notes provide the most up-to-date information on product features.

Contact your Dell EMC technical support professional if a product does not function correctly or does not function as described in this document.

 **Note:** This document was accurate at publication time. Go to Dell EMC Online Support (<https://support.emc.com>) to ensure that you are using the latest version of this document.

Purpose

This document describes how to configure and use NetWorker REST API.

Audience

This guide is part of the NetWorker documentation set, and is intended for use by developers who are creating programmatic interfaces to NetWorker systems.

Revision history

The following table presents the revision history of this document.

Table 1 Revision history

Revision	Date	Description
01	November 15, 2019	First release of the document for NetWorker 19.2.

Related documentation


The NetWorker documentation set includes the following publications, available on the Support website:


- *NetWorker E-LAB Navigator*
Provides compatibility information, including specific software and hardware configurations that NetWorker supports. To access E-LAB Navigator, go to <https://elabnavigator.emc.com/eln/elhome>.
- *NetWorker Administration Guide*
Describes how to configure and maintain the NetWorker software.
- *NetWorker Network Data Management Protocol (NDMP) User Guide*
Describes how to use the NetWorker software to provide data protection for NDMP files.
- *NetWorker Cluster Integration Guide*
Contains information related to configuring NetWorker software on cluster servers and clients.
- *NetWorker Installation Guide*
Provides information on how to install, uninstall, and update the NetWorker software for clients, storage nodes, and servers on all supported operating systems.
- *NetWorker Updating from a Previous Release Guide*
Describes how to update the NetWorker software from a previously installed release.
- *NetWorker Release Notes*
Contains information on new features and changes, fixed problems, known limitations, environment and system requirements for the latest NetWorker software release.

- *NetWorker Command Reference Guide*
Provides reference information for NetWorker commands and options.
- *NetWorker Data Domain Boost Integration Guide*
Provides planning and configuration information on the use of Data Domain devices for data deduplication backup and storage in a NetWorker environment.
- *NetWorker Performance Optimization Planning Guide*
Contains basic performance tuning information for NetWorker.
- *NetWorker Server Disaster Recovery and Availability Best Practices Guide*
Describes how to design, plan for, and perform a step-by-step NetWorker disaster recovery.
- *NetWorker Snapshot Management Integration Guide*
Describes the ability to catalog and manage snapshot copies of production data that are created by using mirror technologies on storage arrays.
- *NetWorker Snapshot Management for NAS Devices Integration Guide*
Describes how to catalog and manage snapshot copies of production data that are created by using replication technologies on NAS devices.
- *NetWorker Security Configuration Guide*
Provides an overview of security configuration settings available in NetWorker, secure deployment, and physical security controls needed to ensure the secure operation of the product.
- *NetWorker VMware Integration Guide*
Provides planning and configuration information on the use of VMware in a NetWorker environment.
- *NetWorker Error Message Guide*
Provides information on common NetWorker error messages.
- *NetWorker Licensing Guide*
Provides information about licensing NetWorker products and features.
- *NetWorker REST API Getting Started Guide*
Describes how to configure and use the NetWorker REST API to create programmatic interfaces to the NetWorker server.
- *NetWorker REST API Reference Guide*
Provides the NetWorker REST API specification used to create programmatic interfaces to the NetWorker server.
- *NetWorker 18.2 with CloudBoost 18.2 Integration Guide*
Describes the integration of NetWorker with CloudBoost.
- *NetWorker 18.2 with CloudBoost 18.2 Security Configuration Guide*
Provides an overview of security configuration settings available in NetWorker and Cloud Boost, secure deployment, and physical security controls needed to ensure the secure operation of the product.
- NetWorker Management Console Online Help
Describes the day-to-day administration tasks performed in the NetWorker Management Console and the NetWorker Administration window. To view the online help, click **Help** in the main menu.
- NetWorker User Online Help
Describes how to use the NetWorker User program, which is the Windows client interface, to connect to a NetWorker server to back up, recover, archive, and retrieve files over a network.

Special notice conventions that are used in this document

The following conventions are used for special notices:

 **NOTICE** Identifies content that warns of potential business or data loss.

 **Note:** Contains information that is incidental, but not essential, to the topic.

Typographical conventions

The following type style conventions are used in this document:

Table 2 Style conventions

Bold	Used for interface elements that a user specifically selects or clicks, for example, names of buttons, fields, tab names, and menu paths. Also used for the name of a dialog box, page, pane, screen area with title, table label, and window.
<i>Italic</i>	Used for full titles of publications that are referenced in text.
Monospace	Used for: <ul style="list-style-type: none"> • System code • System output, such as an error message or script • Pathnames, file names, file name extensions, prompts, and syntax • Commands and options
<i>Monospace italic</i>	Used for variables.
Monospace bold	Used for user input.
[]	Square brackets enclose optional values.
	Vertical line indicates alternate selections. The vertical line means or for the alternate selections.
{ }	Braces enclose content that the user must specify, such as x, y, or z.
...	Ellipses indicate non-essential information that is omitted from the example.

You can use the following resources to find more information about this product, obtain support, and provide feedback.

Where to find product documentation

- <https://www.dell.com/support>
- <https://community.emc.com>

Where to get support

The Support website <https://www.dell.com/support> provides access to product licensing, documentation, advisories, downloads, and how-to and troubleshooting information. The information can enable you to resolve a product issue before you contact Support.

To access a product-specific page:

1. Go to <https://www.dell.com/support>.
2. In the search box, type a product name, and then from the list that appears, select the product.

Knowledgebase

The Knowledgebase contains applicable solutions that you can search for either by solution number (for example, KB000xxxxxx) or by keyword.

To search the Knowledgebase:

1. Go to <https://www.dell.com/support>.
2. On the **Support** tab, click **Knowledge Base**.
3. In the search box, type either the solution number or keywords. Optionally, you can limit the search to specific products by typing a product name in the search box, and then selecting the product from the list that appears.

Live chat

To participate in a live interactive chat with a support agent:

1. Go to <https://www.dell.com/support>.
2. On the **Support** tab, click **Contact Support**.
3. On the **Contact Information** page, click the relevant support, and then proceed.

Service requests

To obtain in-depth help from Licensing, submit a service request. To submit a service request:

1. Go to <https://www.dell.com/support>.
2. On the **Support** tab, click **Service Requests**.

Note: To create a service request, you must have a valid support agreement. For details about either an account or obtaining a valid support agreement, contact a sales representative. To get the details of a service request, in the `Service Request Number` field, type the service request number, and then click the right arrow.

To review an open service request:

1. Go to <https://www.dell.com/support>.
2. On the **Support** tab, click **Service Requests**.
3. On the **Service Requests** page, under **Manage Your Service Requests**, click **View All Dell Service Requests**.

Online communities

For peer contacts, conversations, and content on product support and solutions, go to the Community Network <https://community.emc.com>. Interactively engage with customers, partners, and certified professionals online.

How to provide feedback

Feedback helps to improve the accuracy, organization, and overall quality of publications. You can send feedback to DPAD.Doc.Feedback@emc.com.

Methods

[[Jump to Models](#)]

Table of Contents

[Alerts](#)

Alerts are error conditions that are generated by a backup and recovery operation on NetWorker server that should be fixed by a qualified operator.

- [GET /alerts](#)

[Backups](#)

Copy of a file system or application data, or an entire computer system, stored separately from the original, which can be used to recover the original if it is lost or damaged. If a workflow associated with that NetWorker client (i.e. attached to its protection group) has two save actions, one for the backup and other to clone then they are reflected as separate instances under `/backups/{id}/instances`.

- [DELETE /backups/{backupId}](#)
- [DELETE /backups/{backupId}/instances/{instanceId}](#)
- [GET /backups/{backupId}](#)
- [GET /backups/{backupId}/instances/{instanceId}](#)
- [GET /backups/{backupId}/instances](#)
- [GET /backups](#)

[Clients](#)

The NetWorker client system can be any node in a datazone that contains data that can be backed up. The NMC server, NetWorker server, and NetWorker storage node hosts are also NetWorker clients.

- [POST /clients/{clientId}/op/backup](#)
- [DELETE /clients/{clientId}](#)
- [GET /clients/{clientId}](#)
- [GET /clients/{clientId}/agents](#)
- [GET /clients/{clientId}/backups/{backupId}](#)
- [GET /clients/{clientId}/backups/{backupId}/instances/{instanceId}](#)
- [GET /clients/{clientId}/backups/{backupId}/instances](#)
- [GET /clients/{clientId}/backups](#)
- [GET /clients/{clientId}/indexes](#)
- [GET /clients/{clientId}/agents/localagent](#)
- [GET /clients/{clientId}/agents/remoteargents](#)
- [GET /clients](#)
- [POST /clients](#)
- [PUT /clients/{clientId}](#)

[Cloudboostappliances](#)

The CloudBoost appliances attached to the NetWorker instance.

- [GET /cloudboostappliances/{cloudboostapplianceId}](#)
- [GET /cloudboostappliances](#)

Datadomainsystems

The DataDomain appliances attached to the NetWorker instance.

- [GET /datadomainsystems](#)

Devices

Devices refers to storage devices such as tape drives, disk devices etc.. that are managed by a storage node. NetWorker can backup data to local devices on a NetWorker Server or remote devices on a storage node.

- [DELETE /devices/{deviceId}](#)
- [GET /devices/{deviceId}](#)
- [GET /devices/{deviceId}/opstatus](#)
- [GET /devices](#)
- [POST /devices/{deviceId}/op/label](#)
- [POST /devices/{deviceId}/op/mount](#)
- [POST /devices/{deviceId}/op/unmount](#)
- [POST /devices/{deviceId}/op/verifylabel](#)
- [POST /devices](#)
- [PUT /devices/{deviceId}](#)

Directives

Directives are resources that contain special instructions that control how the NetWorker server processes files and directories during backup and recovery. Directives enable you to customize the NetWorker software, maximize the efficiency of backups, and apply special handling to individual files or directories.

- [DELETE /directives/{directiveId}](#)
- [GET /directives/{directiveId}](#)
- [GET /directives](#)
- [POST /directives](#)
- [PUT /directives/{directiveId}](#)

Inspect

To gather the information from the remote agent in the NetWorker client, the inspect operations can be initiated.

- [POST /inspect](#)

Jobs

Jobs are created to undertake the activities associated with the NetWorker operations like backup, recovery, probe, expiration etc. Certain jobs can start a child job to perform tasks that the parent job requires to complete an action.

- [GET /jobs/{jobId}](#)

- [GET /jobs](#)
- [GET /jobs/{jobId}/log](#)
- [POST /jobs/{jobId}/op/cancel](#)

A group of related jobs are assembled under a job group. For example, a workflow action may have a bunch of child jobs to perform the tasks that are associated with the action. Job group resource enables to view these jobs as a collection, where the job group Id will be the Id of the parent job.

- [GET /jobgroups/{jobGroupId}](#)
- [GET /jobgroups](#)

Job indications are messages sent by the NetWorker clients to the NetWorker server, when it comes across an interruption during a backup/recovery operation.

- [GET /jobindications](#)

Labels

A Label describes the templates used to generate volume labels.

- [DELETE /labels/{labelId}](#)
- [GET /labels/{labelId}](#)
- [GET /labels](#)
- [POST /labels](#)
- [PUT /labels/{labelId}](#)

Licenses

Information about NetWorker licenses can be retrieved using the URIs listed below

- [GET /licenses/{licenseId}](#)
- [GET /licenses](#)

Lockbox

Lockboxes provide a means of securely locking down sensitive information. NetWorker uses it to store secrets related to its clients.

- [DELETE /lockbox/{id}](#)
- [GET /lockbox/{id}](#)
- [GET /lockbox](#)
- [POST /lockbox](#)
- [PUT /lockbox/{id}](#)

Nasdevices

Host or open system with Network Data Management Protocol (NDMP) services.

- [DELETE /nasdevices/{nasdeviceId}](#)
- [GET /nasdevices/{nasdeviceId}](#)

- [GET /nasdevices](#)
- [POST /nasdevices](#)
- [PUT /nasdevices/{nasdeviceId}](#)

Notifications

Notification serves as a means to attach an event of interest to a specific action, where the action can be a command or a custom script.

- [DELETE /notifications/{notificationId}](#)
- [GET /notifications/{notificationId}](#)
- [GET /notifications](#)
- [POST /notifications](#)
- [PUT /notifications/{notificationId}](#)

Pools

Media pools are used to sort, store, and track data on media volumes. The NetWorker server selects the media pool to which a given set of data is written.

- [DELETE /pools/{poolId}](#)
- [GET /pools/{poolId}](#)
- [GET /pools](#)
- [POST /pools](#)
- [PUT /pools/{poolId}](#)

Probes

To probe a NetWorker client before the start of a backup, a probe can be created to run a specific command. Probes can then be associated to the one or more NetWorker clients to perform probe based backup.

- [DELETE /probes/{probeId}](#)
- [GET /probes/{probeId}](#)
- [GET /probes](#)
- [POST /probes](#)
- [PUT /probes/{probeId}](#)

Protectiongroups

Protection groups define a set of static or dynamic Client resources or save sets to which a workflow applies. Multiple protection groups should be created to perform backup for different save sets on different schedules.

- [DELETE /protectiongroups/{protectionGroupId}](#)
- [GET /protectiongroups/{protectionGroupId}](#)
- [GET /protectiongroups](#)
- [POST /protectiongroups](#)
- [PUT /protectiongroups/{protectionGroupId}](#)
- [POST /protectiongroups/{protectionGroupId}/op/updatevmwareworkitems](#)

Protectionpolicies

Data protection policies provide the ability to design a data protection solution. It serves as a container for the workflows, actions, and groups that support and define the backup, clone, management, and system maintenance actions that you want to perform.

- [DELETE /protectionpolicies/{policyId}](#)
- [DELETE /protectionpolicies/{policyId}/workflows/{workflowId}](#)
- [GET /protectionpolicies](#)
- [GET /protectionpolicies/{policyId}](#)
- [GET /protectionpolicies/{policyId}/jobgroups/{jobGroupId}](#)
- [GET /protectionpolicies/{policyId}/jobgroups](#)
- [GET /protectionpolicies/{policyId}/workflows/{workflowId}](#)
- [GET /protectionpolicies/{policyId}/workflows/{workflowId}/jobgroups/{jobGroupId}](#)
- [GET /protectionpolicies/{policyId}/workflows/{workflowId}/jobgroups](#)
- [GET /protectionpolicies/{policyId}/workflows](#)
- [POST /protectionpolicies](#)
- [POST /protectionpolicies/{policyId}/workflows](#)
- [POST /protectionpolicies/{policyId}/workflows/{workflowId}/op/backup](#)
- [PUT /protectionpolicies/{policyId}](#)
- [PUT /protectionpolicies/{policyId}/workflows/{workflowId}](#)

Recoverapps

Recovery of applications can be managed using the URIs listed below

- [DELETE /recoverapps/saphana/{hanaRecoveryId}](#)
- [GET /recoverapps/saphana](#)
- [GET /recoverapps/saphana/{hanaRecoveryId}](#)
- [GET /recoverapps](#)
- [POST /recoverapps/saphana](#)
- [POST /clients/{clientId}/agents/remoteargents/SAPHANA/op/browse](#)

Recovers

Recovery of filesystem, NDMP and BBB backups can be managed using the URIs listed below.

- [DELETE /recovers/{recoverId}](#)
- [GET /recovers/{recoverId}](#)
- [GET /recovers](#)
- [POST /recovers](#)

Rules

To define conditions to process an action, rules can be defined at the protection group level.

- [DELETE /rules/{ruleName}](#)
- [GET /rules/{ruleName}](#)
- [GET /rules](#)
- [POST /rules](#)
- [PUT /rules/{ruleName}](#)

Schedules

Schedules can be used to define the backup schedule for a group of clients as part of data protection policy settings.

- [DELETE /schedules/{scheduleName}](#)
- [GET /schedules/{scheduleName}/associatedpolicies](#)
- [GET /schedules/{scheduleName}](#)
- [GET /schedules](#)
- [POST /schedules](#)
- [PUT /schedules/{scheduleName}](#)

Server

The NetWorker Server is a collection of processes and programs that are installed on a host that performs NetWorker services. The NetWorker Server also acts as a storage node and can control multiple remote storage nodes.

- [DELETE /usergroups/{userGroupId}](#)
- [GET /auditlogconfig](#)
- [GET /serverconfig](#)
- [GET /servermessages](#)
- [GET /serverstatistics](#)
- [GET /usergroups/{userGroupId}](#)
- [GET /usergroups](#)
- [POST /usergroups](#)
- [PUT /auditlogconfig](#)
- [PUT /serverconfig](#)
- [PUT /usergroups/{userGroupId}](#)

Sessions

Session refers to the active sessions associated with the activities like saving, recovering, cloning or browsing on a saveset.

- [GET /sessions/{sessionId}](#)
- [GET /sessions](#)
- [POST /sessions/{sessionId}/op/cancel](#)

Storagenodes

A storage node controls storage devices such as tape drives, disk devices, autochangers, and silos.

- [DELETE /storagenodes/{storageNodeId}](#)
- [GET /storagenodes/{storageNodeId}](#)
- [GET /storagenodes](#)
- [POST /storagenodes](#)
- [PUT /storagenodes/{storageNodeId}](#)

Tenants

Tenant models the Restricted Datazones (RDZ), the ability to add an extra layer of privilege control to isolate access to resources, and separate these restricted resources into specific groups.

- [DELETE /tenants/{tenantId}](#)
- [GET /tenants/{tenantId}](#)
- [GET /tenants](#)
- [POST /tenants](#)
- [PUT /tenants/{tenantId}](#)

Timepolicies

Time policies are time periods used define save set retention. Save set retention is how long the save set entries are maintained in the media database and client file indexes.

- [DELETE /timepolicies/{timePolicyId}](#)
- [GET /timepolicies](#)
- [GET /timepolicies/{timePolicyId}](#)
- [POST /timepolicies](#)
- [PUT /timepolicies/{timePolicyId}](#)

Vmware

NetWorker enables the virtual machine protection and recovery using vProxy appliance. Both vCenter and vProxy appliances are modelled as resources and enabled to define protection policies and protection groups, perform backup and recovery of the virtual machines.

- [DELETE /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}](#)
- [DELETE /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}](#)
- [DELETE /vmware/vcenters/{vcenter-hostname}](#)
- [DELETE /vmware/vproxies/{vproxy-hostname}](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}/contents](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}/contents](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}](#)

- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount/{vproxy-mount-session-id}](#)
- [GET /vmware/vcenters/{vcenter-hostname}](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups](#)
- [GET /vmware/vcenters/{vcenter-hostname}/protectedvms](#)
- [GET /vmware/vcenters/{vcenter-hostname}/vms/{vm-uuid}](#)
- [GET /vmware/vcenters/{vcenter-hostname}/vms](#)
- [GET /vmware/vcenters](#)
- [GET /vmware/protectedvms](#)
- [GET /vmware/vcenters/{vcenter-hostname}/vms/{vm-uuid}/protectiondetails](#)
- [GET /vmware/vms](#)
- [GET /vmware/vproxies](#)
- [GET /vmware/vproxies/{vproxy-hostname}](#)
- [POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse](#)
- [POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse](#)
- [POST /vmware/vproxies/op/register](#)
- [POST /vmware/vcenters](#)
- [POST /vmware/vcenters/{vcenter-hostname}/op/refresh](#)
- [POST /vmware/vcenters/{vcenter-hostname}/plugins](#)
- [POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/inspectbackup](#)
- [POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/inspectbackup](#)
- [POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/recover](#)
- [POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount](#)
- [POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/recover](#)
- [POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount](#)
- [POST /vmware/op/refreshvcenters](#)
- [POST /vmware/vcenters/{vcenter-hostname}/vms/{vm-uuid}/op/backup](#)
- [POST /vmware/vproxies](#)
- [PUT /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}](#)
- [PUT /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}](#)
- [PUT /vmware/vcenters/{vcenter-hostname}](#)
- [PUT /vmware/vproxies/{vproxy-hostname}](#)

Volumes

Unit of physical storage medium, such as a disk or magnetic tape, to which backup data is written.

- [DELETE /volumes/{volumeId}](#)
- [GET /volumes/{volumeId}](#)
- [GET /volumes](#)

Alerts

GET /alerts

Returns the most recent alert messages. (**getAlerts**)

This operation can be used to list the outstanding alert messages. The query parameters can be used to filter the response.

Return type

[AlertList](#)

Example data

Content-Type: application/json

```
{
  "alerts" : [ {
    "category" : "server",
    "message" : "Process nsrworkflow crashed. New core file found on
server RHEL67_base. Check daemon.raw for details.",
    "priority" : "critical",
    "timestamp" : "2018-10-22T10:00:00-04:00"
  } ],
  "count" : 1
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the alerts are retrieved successfully. [AlertList](#)

Backups

DELETE /backups/{backupId}

Deletes the specified backup. (**deleteBackup**)

Deletes the specified backup.

Path parameters

backupId (required)

Path Parameter – is the value of the id attribute in the backup resource.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Backup is deleted successfully. [EmptyResponse](#)

DELETE /backups/{backupId}/instances/{instanceId}

Deletes the specific backup instance. (**deleteBackupInstance**)

Deletes the specific backup instance.

Path parameters

backupId (required)

Path Parameter — is the value of the id attribute in the backup resource.

instanceId (required)

Path Parameter — is the value of the id attribute in the instance resource.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Backup instance is deleted successfully. [EmptyResponse](#)

GET /backups/{backupId}

Returns information about the specific backup. (**getBackup**)

This operation can fetch the information about the specific backup.

Path parameters

backupId (required)

Path Parameter — is the value of the id attribute in the backup resource.

Return type

[Backup](#)

Example data

Content-Type: application/json

```
{
  "attributes" : [ {
    "key" : "*backup start time",
    "values" : [ "1539851225" ]
  }, {
    "key" : "*NSR_VSS_SHADOWCOPY_SET",
    "values" : [ "{99F44A83-0BBF-49A8-B240-0970990DE6A8}" ]
  }, {
    "key" : "*policy action jobid",
    "values" : [ "6" ]
  }, {
    "key" : "*policy action name",
    "values" : [ "backup: 1539851250" ]
  }, {
    "key" : "*policy name",
    "values" : [ "TEST: 1539851250" ]
  }, {
    "key" : "*policy workflow name",
    "values" : [ "TEST_WF: 1539851250" ]
  }, {
    "key" : "*ss clone retention",
    "values" : [ "          1539851250:          1539851250:
2752349" ]
  }, {
    "key" : "group",
    "values" : [ "TEST_PG" ]
  }, {
    "key" : "saveset features",
    "values" : [ "CLIENT_SAVETIME" ]
  } ],
  "browseTime" : "2018-11-18T23:59:59-05:00",
  "clientHostname" : "host_name_1",
  "clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-
360c1a56",
  "completionTime" : "2018-10-18T04:27:30-04:00",
  "creationTime" : "2018-10-18T04:27:30-04:00",
  "fileCount" : 3,
  "id" : "627a330c-00000006-ffc843f2-5bc843f2-00035000-360c1a56",
  "instances" : [ {
    "clone" : false,
    "id" : "1539851250",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/backups/627a330c-00000006-ffc843f2-
5bc843f2-00035000-360c1a56/instances/1539851250",
      "rel" : "item"
    }, {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/volumes/13124488",
      "title" : "Volume"
    } ],
    "status" : "Browsable",
    "volumeIds" : [ "13124488" ]
  } ]
}
```

```

    } ],
    "level" : "Full",
    "name" : "E:\\file2.txt",
    "retentionTime" : "2018-11-18T23:59:59-05:00",
    "saveTime" : "2018-10-18T04:27:30-04:00",
    "shortId" : "4291314674",
    "size" : {
      "unit" : "Byte",
      "value" : 1680
    },
    "type" : "File"
  }
}

```

Responses

200

Information about the backup is retrieved successfully. [Backup](#)

```
GET /backups/{backupId}/instances/{instanceId}
```

Returns information on a specific backup instance. ([getBackupInstance](#))

This operation can be used to retrieve the information about a specific backup instance.

Path parameters

backupId (required)

Path Parameter – is the value of the id attribute in the backup resource.

instanceId (required)

Path Parameter – is the value of the id attribute in the instance resource.

Return type

[BackupInstance](#)

Example data

Content-Type: application/json

```

{
  "clone" : false,
  "id" : "1539851250",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/volumes/13124488",
    "title" : "Volume"
  } ],
  "status" : "Browsable",
  "volumeIds" : [ "13124488" ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Backup instance information is retrieved successfully. [BackupInstance](#)

```
GET /backups/{backupId}/instances
```

Returns a list of backup instances. (**getBackupInstances**)

This operation can be used to retrieve a list of backup instances. However, the query parameters can be used to filter the response.

Path parameters

backupId (required)

Path Parameter – is the value of the id attribute in the backup resource.

Query parameters

[Query filters: q and fl](#)

Return type

[BackupInstanceList](#)

Example data

Content-Type: application/json

```
{
  "backupInstances" : [ {
    "clone" : false,
    "id" : "1539851250",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/backups/627a330c-00000006-ffc843f2-
5bc843f2-00035000-360c1a56/instances/1539851250",
      "rel" : "item"
    } ],
    "status" : "Browsable",
    "volumeIds" : [ "13124488" ]
  } ],
  "count" : 1
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the backup instances are retrieved successfully. [BackupInstanceList](#)

GET /backups

Returns information on all the backups. (**getBackups**)

This operation can be used to retrieve the information about all the backups. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[BackupList](#)

Example data

Content-Type: application/json

```
{
  "backups" : [ {
```

```

"attributes" : [ {
  "key" : "*backup start time",
  "values" : [ "1539851225" ]
}, {
  "key" : "*NSR_VSS_SHADOWCOPY_SET",
  "values" : [ "{99F44A83-0BBF-49A8-B240-0970990DE6A8}" ]
}, {
  "key" : "*policy action jobid",
  "values" : [ "6" ]
}, {
  "key" : "*policy action name",
  "values" : [ "backup: 1539851250" ]
}, {
  "key" : "*policy name",
  "values" : [ "TEST: 1539851250" ]
}, {
  "key" : "*policy workflow name",
  "values" : [ "TEST_WF: 1539851250" ]
}, {
  "key" : "*ss clone retention",
  "values" : [ "          1539851250:          1539851250:
2752349" ]
}, {
  "key" : "group",
  "values" : [ "TEST_PG" ]
}, {
  "key" : "saveset features",
  "values" : [ "CLIENT_SAVETIME" ]
} ] ],
"browseTime" : "2018-11-19T00:00:00-05:00",
"clientHostname" : "host_name_1",
"clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-
360c1a56",
"completionTime" : "2018-10-18T04:27:31-04:00",
"creationTime" : "2018-10-18T04:27:30-04:00",
"fileCount" : 3,
"id" : "f30d0990-00000006-fec843f2-5bc843f2-00045000-360c1a56",
"instances" : [ {
  "clone" : false,
  "id" : "1539851250",
  "status" : "Browsable",
  "volumeIds" : [ "13124488" ]
} ],
"level" : "Full",
"links" : [ {
  "href" : "https://networker-
ip:9090/nwrestapi/v3/global/backups/f30d0990-00000006-fec843f2-
5bc843f2-00045000-360c1a56",
  "rel" : "item"
} ],
"name" : "E:\\file1.txt",
"retentionTime" : "2018-11-19T00:00:00-05:00",
"saveTime" : "2018-10-18T04:27:31-04:00",
"shortId" : "4274537458",

```

```

"size" : {
  "unit" : "Byte",
  "value" : 1680
},
"type" : "File"
}, {
  "attributes" : [ {
    "key" : "*backup start time",
    "values" : [ "1539851225" ]
  }, {
    "key" : "*NSR_VSS_SHADOWCOPY_SET",
    "values" : [ "{99F44A83-0BBF-49A8-B240-0970990DE6A8}" ]
  }, {
    "key" : "*policy action jobid",
    "values" : [ "6" ]
  }, {
    "key" : "*policy action name",
    "values" : [ "backup: 1539851250" ]
  }, {
    "key" : "*policy name",
    "values" : [ "TEST: 1539851250" ]
  }, {
    "key" : "*policy workflow name",
    "values" : [ "TEST_WF: 1539851250" ]
  }, {
    "key" : "*ss clone retention",
    "values" : [ "1539851250: 1539851250:
2752349" ]
  }, {
    "key" : "group",
    "values" : [ "TEST_PG" ]
  }, {
    "key" : "saveset features",
    "values" : [ "CLIENT_SAVETIME" ]
  } ],
  "browseTime" : "2018-11-18T23:59:59-05:00",
  "clientHostname" : "host_name_1",
  "clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-
360c1a56",
  "completionTime" : "2018-10-18T04:27:30-04:00",
  "creationTime" : "2018-10-18T04:27:30-04:00",
  "fileCount" : 3,
  "id" : "627a330c-00000006-ffc843f2-5bc843f2-00035000-360c1a56",
  "instances" : [ {
    "clone" : false,
    "id" : "1539851250",
    "status" : "Browsable",
    "volumeIds" : [ "13124488" ]
  } ],
  "level" : "Full",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/backups/627a330c-00000006-ffc843f2-
5bc843f2-00035000-360c1a56",

```

```

    "rel" : "item"
  } ],
  "name" : "E:\\file2.txt",
  "retentionTime" : "2018-11-18T23:59:59-05:00",
  "saveTime" : "2018-10-18T04:27:30-04:00",
  "shortId" : "4291314674",
  "size" : {
    "unit" : "Byte",
    "value" : 1680
  },
  "type" : "File"
} ],
"count" : 2
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the backups are retrieved successfully. [BackupList](#)

Clients

POST /clients/{clientId}/op/backup

Backup the save sets for a given client. (**clientOpBackup**)

This operation can be used to run an on-demand backup by specifying the workflow and the protection policy.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceId. The resourceId of the client resource uniquely identifies a client resource instance.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

clientOpBackup [ClientOpBackup](#) (required)

Body Parameter – Parameters to start the backup.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A job is created. The Job URI can be found in the location header of the response.

[EmptyResponse](#)

```
DELETE /clients/{clientId}
```

Deletes the specified client. (**deleteClient**)

This operation can be used to delete a specific client from NetWorker.

A client represents host on a network, such as a computer, workstation, or application server whose data can be backed up and restored with the backup server software.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceId. The resourceId of the client resource uniquely identifies a client resource instance.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Client is deleted successfully. [EmptyResponse](#)

```
GET /clients/{clientId}
```

Returns the specific client. (**getClient**)

This operation can fetch the information about the specific client.

A client represents host on a network, such as a computer, workstation, or application server whose data can be backed up and restored with the backup server software.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceId. The resourceId of the client resource uniquely identifies a client resource instance.

Query parameters

type (optional)

Query Parameter – The parameter "type" can be used to return additional client attributes based on the specified value from the predefined list. For example, to view advanced attributes, set the category type to "advanced", as in /clients?type=advanced. By default, if the parameter "type" is not specified, the type is "basic". default: basic

Return type

[Client](#)

Example data

Content-Type: application/json

```
{
  "aliases" : [ "host_name_1", "localhost6" ],
  "applicationInformation" : [ ],
  "backupCommand" : "savepsm",
  "blockBasedBackup" : false,
  "checkpointEnabled" : false,
  "clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-360cla56",
  "hostname" : "host_name_1",
  "indexBackupContent" : false,
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.0.210.51.200.9
1.10.207.81.176/backups",
    "title" : "List of backups"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.0.210.51.200.9
1.10.207.81.176/op/backup",
    "title" : "Back up client"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.0.210.51.200.9
1.10.207.81.176/indexes",
    "title" : "Indexes of backup"
  } ],
  "nasDevice" : false,
  "ndmp" : false,
  "ndmpMultiStreamsEnabled" : false,
  "ndmpVendorInformation" : [ ],
  "parallelSaveStreamsPerSaveSet" : false,
  "parallelism" : 12,
  "protectionGroups" : [ "NMC server" ],
  "remoteAccessUsers" : [ ],
  "resourceId" : {
    "id" : "161.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 3
  },
  "saveSets" : [ "C:\\Program Files\\EMC
NetWorker\\Management\\nmcdb_stage" ],
  "scheduledBackup" : true,
  "storageNodes" : [ "nsrserverhost" ],
  "tags" : [ ]
}
```


Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Client information is retrieved successfully. [Client](#)

GET /clients/{clientId}/agents

(getClientAgents)

This operation can be used to retrieve the information about available resources on client RAP database. However, the query parameters can be used to filter the response.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceID. The resourceID of the client resource uniquely identifies a client resource instance.

Query parameters

[Query filters: q and fl](#)

Return type

[AgentList](#)

Example data

Content-Type: application/json

```
{
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.0.210.51.200.9
1.10.207.81.176/agents/remotegenents",
    "title" : "List of remote agents in client system"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.0.210.51.200.9
1.10.207.81.176/agents/localagent",
    "title" : "Local agent"
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the backups is retrieved successfully. [AgentList](#)

GET /clients/{clientId}/backups/{backupId}

Returns information on specific backup for the given client. **(getClientBackup)**

This operation can be used to retrieve the information on a specific backup for the given client.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceId. The resourceId of the client resource uniquely identifies a client resource instance.

backupId (required)

Path Parameter – is the value of the id attribute in the backup resource.

Return type

[Backup](#)

Example data

Content-Type: application/json

```
{
  "attributes" : [ {
    "key" : "*backup start time",
    "values" : [ "1539851225" ]
  }, {
    "key" : "*NSR_VSS_SHADOWCOPY_SET",
    "values" : [ "{99F44A83-0BBF-49A8-B240-0970990DE6A8}" ]
  }, {
    "key" : "*policy action jobid",
    "values" : [ "6" ]
  }, {
    "key" : "*policy action name",
    "values" : [ "backup: 1539851250" ]
  }, {
    "key" : "*policy name",
    "values" : [ "TEST: 1539851250" ]
  }, {
    "key" : "*policy workflow name",
    "values" : [ "TEST_WF: 1539851250" ]
  }, {
    "key" : "*ss clone retention",
    "values" : [ "          1539851250:          1539851250:
2752349" ]
  }, {
    "key" : "group",
    "values" : [ "TEST_PG" ]
  }, {
    "key" : "saveset features",
    "values" : [ "CLIENT_SAVETIME" ]
  } ],
  "browseTime" : "2018-11-19T00:00:00-05:00",
  "clientHostname" : "host_name_1",
  "clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-
360c1a56",
  "completionTime" : "2018-10-18T04:27:31-04:00",
  "creationTime" : "2018-10-18T04:27:30-04:00",
  "fileCount" : 3,
  "id" : "f30d0990-00000006-fec843f2-5bc843f2-00045000-360c1a56",
  "instances" : [ {
    "clone" : false,
    "id" : "1539851250",
    "links" : [ {
```

```

    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.0.210.51.200
.91.10.207.81.176/backups/f30d0990-00000006-fec843f2-5bc843f2-
00045000-360cla56/instances/1539851250",
    "rel" : "item"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/volumes/13124488",
    "title" : "Volume"
  } ],
  "status" : "Browsable",
  "volumeIds" : [ "13124488" ]
} ],
"level" : "Full",
"name" : "E:\\file1.txt",
"retentionTime" : "2018-11-19T00:00:00-05:00",
"saveTime" : "2018-10-18T04:27:31-04:00",
"shortId" : "4274537458",
"size" : {
  "unit" : "Byte",
  "value" : 1680
},
"type" : "File"
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the backup is retrieved successfully. [Backup](#)

GET

/clients/{clientId}/backups/{backupId}/instances/{instanceId}

Returns a specific backup instance for a given backup associated with a specific client. (**getClientBackupInstance**)

This operation can be used to retrieve the information about the specific backup instance which is associated with a specific client.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceId. The resourceId of the client resource uniquely identifies a client resource instance.

backupId (required)

Path Parameter – is the value of the id attribute in the backup resource.

instanceId (required)

Path Parameter – is the value of the id attribute in the backup instance resource.

Return type

[BackupInstance](#)

Example data

Content-Type: application/json

```

{
  "clone" : false,
  "id" : "1539851250",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/volumes/13124488",
    "title" : "Volume"
  } ],
  "status" : "Browsable",
  "volumeIds" : [ "13124488" ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Backup instance information is retrieved successfully. [BackupInstance](#)

GET /clients/{clientId}/backups/{backupId}/instances

Returns a list of backup instances for a given backup associated with a specific client. (**getClientBackupInstances**)

This operation can be used to retrieve the information about all the backup instances for a specific backup which are associated with a specific client. However, the query parameters can be used to filter the response.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceId. The resourceId of the client resource uniquely identifies a client resource instance.

backupId (required)

Path Parameter – is the value of the id attribute in the backup instance resource.

Query parameters

[Query filters: q and fl](#)

Return type

[BackupInstanceList](#)

Example data

Content-Type: application/json

```

{
  "backupInstances" : [ {
    "clone" : false,
    "id" : "1539851250",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.210.51.
200.91.10.207.81.176/backups/f30d0990-00000006-fec843f2-
5bc843f2-00045000-360c1a56/instances/1539851250",
      "rel" : "item"
    } ],
    "status" : "Browsable",
  } ]
}

```

```
"volumeIds" : [ "13124488" ]
} ],
"count" : 1
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the backup instances are retrieved successfully. [BackupInstanceList](#)

GET /clients/{clientId}/backups

Returns a list of information on all the backups for a given client. (**getClientBackups**)

This operation can be used to retrieve the information about all the backups for a given client. However, the query parameters can be used to filter the response.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceId. The resourceId of the client resource uniquely identifies a client resource instance.

Query parameters

[Query filters: q and fl](#)

Return type

[BackupList](#)

Example data

Content-Type: application/json

```
{
  "backups" : [ {
    "attributes" : [ {
      "key" : "*backup start time",
      "values" : [ "1539851225" ]
    }, {
      "key" : "*NSR_VSS_SHADOWCOPY_SET",
      "values" : [ "{99F44A83-0BBF-49A8-B240-0970990DE6A8}" ]
    }, {
      "key" : "*policy action jobid",
      "values" : [ "6" ]
    }, {
      "key" : "*policy action name",
      "values" : [ "backup: 1539851250" ]
    }, {
      "key" : "*policy name",
      "values" : [ "TEST: 1539851250" ]
    }, {
      "key" : "*policy workflow name",
      "values" : [ "TEST_WF: 1539851250" ]
    }, {
      "key" : "*ss clone retention",
```

```

        "values" : [ "          1539851250:          1539851250:
2752349" ]
    }, {
        "key" : "group",
        "values" : [ "TEST_PG" ]
    }, {
        "key" : "save set features",
        "values" : [ "CLIENT_SAVETIME" ]
    } ],
    "browseTime" : "2018-11-19T00:00:00-05:00",
    "clientHostname" : "host_name_1",
    "clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-
360c1a56",
    "completionTime" : "2018-10-18T04:27:31-04:00",
    "creationTime" : "2018-10-18T04:27:30-04:00",
    "fileCount" : 3,
    "id" : "f30d0990-00000006-fec843f2-5bc843f2-00045000-
360c1a56",
    "instances" : [ {
        "clone" : false,
        "id" : "1539851250",
        "status" : "Browsable",
        "volumeIds" : [ "13124488" ]
    } ],
    "level" : "Full",
    "links" : [ {
        "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.210.51.
200.91.10.207.81.176/backups/f30d0990-00000006-fec843f2-
5bc843f2-00045000-360c1a56",
        "rel" : "item"
    } ],
    "name" : "E:\\file1.txt",
    "retentionTime" : "2018-11-19T00:00:00-05:00",
    "saveTime" : "2018-10-18T04:27:31-04:00",
    "shortId" : "4274537458",
    "size" : {
        "unit" : "Byte",
        "value" : 1680
    },
    "type" : "File"
}, {
    "attributes" : [ {
        "key" : "*backup start time",
        "values" : [ "1539851225" ]
    }, {
        "key" : "*NSR_VSS_SHADOWCOPY_SET",
        "values" : [ "{99F44A83-0BBF-49A8-B240-0970990DE6A8}" ]
    }, {
        "key" : "*policy action jobid",
        "values" : [ "6" ]
    }, {
        "key" : "*policy action name",
        "values" : [ "backup: 1539851250" ]
    }, {

```

```

    "key" : "*policy name",
    "values" : [ "TEST: 1539851250" ]
  }, {
    "key" : "*policy workflow name",
    "values" : [ "TEST_WF: 1539851250" ]
  }, {
    "key" : "*ss clone retention",
    "values" : [ "          1539851250:          1539851250:
2752349" ]
  }, {
    "key" : "group",
    "values" : [ "TEST_PG" ]
  }, {
    "key" : "save set features",
    "values" : [ "CLIENT_SAVETIME" ]
  } ],
  "browseTime" : "2018-11-18T23:59:59-05:00",
  "clientHostname" : "host_name_1",
  "clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-
360c1a56",
  "completionTime" : "2018-10-18T04:27:30-04:00",
  "creationTime" : "2018-10-18T04:27:30-04:00",
  "fileCount" : 3,
  "id" : "627a330c-00000006-ffc843f2-5bc843f2-00035000-
360c1a56",
  "instances" : [ {
    "clone" : false,
    "id" : "1539851250",
    "status" : "Browsable",
    "volumeIds" : [ "13124488" ]
  } ],
  "level" : "Full",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.0.210.51.
200.91.10.207.81.176/backups/627a330c-00000006-ffc843f2-
5bc843f2-00035000-360c1a56",
    "rel" : "item"
  } ],
  "name" : "E:\\file2.txt",
  "retentionTime" : "2018-11-18T23:59:59-05:00",
  "saveTime" : "2018-10-18T04:27:30-04:00",
  "shortId" : "4291314674",
  "size" : {
    "unit" : "Byte",
    "value" : 1680
  },
  "type" : "File"
} ],
"count" : 2
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the backups are retrieved successfully. [BackupList](#)

```
GET /clients/{clientId}/indexes
```

Returns a list of indexes. ([getClientIndexes](#))

This operation can be used to retrieve the information about a list of indexes for the client. However, the query parameters can be used to filter the response.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceId. The resourceId of the client resource uniquely identifies a client resource instance.

Use pagination, if the size of the client's index database is large. You can set the desired number of entries in pagesize query filter. The NetWorker REST API uses custom header X-NW-CONTINUATION-TOKEN to paginate the output. The NetWorker server returns X-NW-CONTINUATION-TOKEN header in response if client file indexes are more than pagesize (default maximum limit is 100). The requester has to provide X-NW-CONTINUATION-TOKEN with value received in last response header to gather the next set of index records.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Query parameters

[Query filters: q and fl](#)

Return type

[IndexList](#)

Example data

Content-Type: application/json

```
{
  "count" : 6,
  "items" : [ {
    "fileName" : "E:\\file1.txt",
    "fileSizeInBytes" : 536,
    "namespace" : "backup",
    "offset" : 0,
    "saveTime" : "2018-10-18T04:27:31-04:00"
  }, {
    "fileName" : "E:\\",
    "fileSizeInBytes" : 784,
    "namespace" : "backup",
    "offset" : 536,
    "saveTime" : "2018-10-18T04:27:31-04:00"
  }, {
    "fileName" : "/",
    "fileSizeInBytes" : 356,
    "namespace" : "backup",
    "offset" : 1320,
    "saveTime" : "2018-10-18T04:27:31-04:00"
  }, {
    "fileName" : "E:\\file2.txt",
```



```

    "fileSizeInBytes" : 536,
    "namespace" : "backup",
    "offset" : 0,
    "saveTime" : "2018-10-18T04:27:30-04:00"
  }, {
    "fileName" : "E:\\",
    "fileSizeInBytes" : 784,
    "namespace" : "backup",
    "offset" : 536,
    "saveTime" : "2018-10-18T04:27:30-04:00"
  }, {
    "fileName" : "/",
    "fileSizeInBytes" : 356,
    "namespace" : "backup",
    "offset" : 1320,
    "saveTime" : "2018-10-18T04:27:30-04:00"
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the indexes are retrieved successfully. [IndexList](#)

GET /clients/{clientId}/agents/localagent

(getClientLocalAgents)

This operation can be used to retrieve the information about available local agents on client RAP database. However, the query parameters can be used to filter the response.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceID. The resourceID of the client resource uniquely identifies a client resource instance.

Query parameters

[Query filters: q and fl](#)

Return type

[LocalAgentList](#)

Example data

Content-Type: application/json

```

{
  "count" : 1,
  "localAgents" : [ {
    "arch" : "Windows Server 2012 R2 Datacenter",
    "authMethod" : "0.0.0.0/0,nsrauth/oldauth",
    "clientOsType" : "Windows NT Server on Intel",
    "connectionEncryption" : false,
    "cpuType" : "AMD_X8664",
    "ipAddress" : "fe80::f99c:6478:fc52:15be",

```

```

    "kernelArch" : "AMD_X8664",
    "machineType" : "server",
    "name" : "ncdqd039.coredev.com",
    "networkerVersion" : "99.0.99.9995.Build.9995",
    "nsrsnmdVersion" : "99.0.99.9995.Build.9995",
    "os" : "Windows Server 2012 R2 Datacenter 6.3"
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the backups is retrieved successfully. [LocalAgentList](#)

GET /clients/{clientId}/agents/remoteagents

(getClientRemoteAgents)

This operation can be used to retrieve the information on available remote agents on client RAP database. However, the query parameters can be used to filter the response.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceID. The resourceID of the client resource uniquely identifies a client resource instance.

Query parameters

[Query filters: q and fl](#)

Return type

[RemoteAgentList](#)

Example data

Content-Type: application/json

```

{
  "count" : 2,
  "remoteAgents" : [ {
    "backupType" : "Filesystem",
    "features" : [ "Configuration", "List Directory", "List
Directory 2", "Recover", "Block Based Backup", "NAS Snapshots",
"Snapshot Management 2" ],
    "hostname" : "ncdqd039.coredev.com",
    "name" : "Filesystem",
    "protocolVersion" : "1",
    "resourceId" : {
      "id" : "10.0.112.10.0.0.0.0.188.52.191.92.10.31.227.39",
      "sequence" : 6
    }
  }, {
    "backupType" : "Smart Snap",
    "features" : [ "Configuration", "List Directory", "List
Directory 2", "Recover", "Block Based Backup", "NAS Snapshots",
"Snapshot Management 2" ],

```

```

    "hostname" : "ncdqd039.coredev.com",
    "name" : "Smart Snap",
    "protocolVersion" : "1",
    "resourceId" : {
      "id" : "11.0.112.10.0.0.0.0.188.52.191.92.10.31.227.39",
      "sequence" : 5
    }
  }, {
    "backupType" : "SAP HANA",
    "features" : [ "Configuration" ],
    "hostname" : "cbtestvm077.drm.lab.emc.com",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/52.0.233.59.0.0.0.0.178.41.1
42.93.10.118.255.50/agents/remoteagents/SAPHANA",
      "rel" : "item"
    } ],
    "name" : "NetWorker Module for SAP",
    "productVersion" : "99.0.99.10210",
    "protocolVersion" : "1",
    "resourceId" : {
      "id" : "16.0.70.101.0.0.0.0.41.208.141.93.10.234.165.76",
      "sequence" : 1
    }
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the remote agents is retrieved successfully. [RemoteAgentList](#)

GET /clients

Returns a list of all clients. (**getClient**s)

This operation can be used to retrieve the information about all the clients. However, the query parameters can be used to filter the response.

Query parameters

type (optional)

Query Parameter – The parameter "type" can be used to return additional client attributes based on the specified value from the predefined list. For example, to view advanced attributes, set the category type to "advanced", as in /clients?type=advanced. By default, if the parameter "type" is not specified, the type is "basic". default: basic

q (optional)

Query Parameter – The parameter "q" represents the **Query filter**. Use this parameter to specify an "attribute matching a value" on which to filter the results. Only exact match of the entered value is supported. For example, /endpoint?q=AttributeName:Value filters the result to resources with

AttributeName=Value. To specify multiple values, use the "and" delimiter, for example, /endpoint?q=AttributeName1:Value1 and AttributeName2:Value2.

fl (optional)

Query Parameter – The parameter "fl" represents the **Field List filter**. Use this parameter to specify the fields (or attributes) to be shown in the response, as in fl=field1,field2. This parameter setting helps to limit the information in the response. If not specified, all the fields are shown. To use query filter (q) and field list filter (fl) concurrently, separate both filters with the "&" delimiter, as in /endpoint?q=AttributeName1:Value & fl=AttributeName2.

Return type

[ClientList](#)

Example data

Content-Type: application/json

```
{
  "clients" : [ {
    "aliases" : [ "host_name_1", "localhost6" ],
    "applicationInformation" : [ ],
    "backupCommand" : "savepsm",
    "blockBasedBackup" : false,
    "checkpointEnabled" : false,
    "clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-360c1a56",
    "disableIPV6" : false,
    "hostname" : "host_name_1",
    "indexBackupContent" : false,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/161.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "rel" : "item"
    } ],
    "nasDevice" : false,
    "ndmp" : false,
    "ndmpMultiStreamsEnabled" : false,
    "ndmpVendorInformation" : [ ],
    "parallelSaveStreamsPerSaveSet" : false,
    "parallelism" : 12,
    "protectionGroups" : [ "NMC server" ],
    "remoteAccessUsers" : [ ],
    "resourceId" : {
      "id" : "161.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 3
    },
    "saveSets" : [ "C:\\Program Files\\EMC
NetWorker\\Management\\nmcdb_stage" ],
    "scheduledBackup" : true,
    "storageNodes" : [ "nsrserverhost" ],
    "tags" : [ ]
  }, {
    "aliases" : [ "host_name_1", "localhost6" ],
    "applicationInformation" : [ ],
    "blockBasedBackup" : false,
    "checkpointEnabled" : false,
```

```

    "clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-360cla56",
    "disableIPV6" : false,
    "hostname" : "host_name_1",
    "indexBackupContent" : false,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/82.0.120.52.0.0.0.0.210.51.2
00.91.10.207.81.176",
      "rel" : "item"
    } ],
    "nasDevice" : false,
    "ndmp" : false,
    "ndmpMultiStreamsEnabled" : false,
    "ndmpVendorInformation" : [ ],
    "parallelSaveStreamsPerSaveSet" : false,
    "parallelism" : 12,
    "protectionGroups" : [ ],
    "remoteAccessUsers" : [ ],
    "resourceId" : {
      "id" : "82.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 3
    },
    "saveSets" : [ "All" ],
    "scheduledBackup" : true,
    "storageNodes" : [ "nsrserverhost" ],
    "tags" : [ ]
  }, {
    "aliases" : [ "host_name_1", "localhost6" ],
    "applicationInformation" : [ "NSR_PS_DEBUG_LEVEL=0" ],
    "backupType" : "Filesystem",
    "blockBasedBackup" : false,
    "checkpointEnabled" : false,
    "clientId" : "d5b545cb-00000004-5bc83451-5bc83450-00015000-360cla56",
    "comment" : "Test",
    "disableIPV6" : false,
    "hostname" : "host_name_1",
    "indexBackupContent" : false,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/clients/162.0.120.52.0.0.0.0.210.51.
200.91.10.207.81.176",
      "rel" : "item"
    } ],
    "nasDevice" : false,
    "ndmp" : false,
    "ndmpMultiStreamsEnabled" : false,
    "ndmpVendorInformation" : [ ],
    "parallelSaveStreamsPerSaveSet" : false,
    "parallelism" : 12,
    "protectionGroups" : [ "TEST_PG" ],
    "remoteAccessUsers" : [ ],
    "resourceId" : {
      "id" : "162.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",

```

```
    "sequence" : 5
  },
  "saveSets" : [ "E:\\file1.txt", "E:\\file2.txt" ],
  "scheduledBackup" : true,
  "storageNodes" : [ "nsrserverhost" ],
  "tags" : [ ]
} ],
"count" : 3
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the clients were retrieved successfully. [ClientList](#)

POST /clients

Creates a new client. (**postClient**)

This operation can be used to create a new client.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

client [Client](#) (required)

Body Parameter – Client to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Client is created successfully. [EmptyResponse](#)

PUT /clients/{clientId}

Updates the specified client. (**putClient**)

This operation can be used to modify the attributes of a specific client.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceId. The resourceId of the client resource uniquely identifies a client resource instance.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

client [Client](#) (required)

Body Parameter – Client to modify.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Client is updated successfully. [EmptyResponse](#)

Cloudboostappliances

GET /cloudboostappliances/{cloudboostapplianceId}

Returns the specific CloudBoost appliance. (**getCloudBoostAppliance**)

This operation can be used to retrieve the information about the specific CloudBoost appliance.

Path parameters

cloudboostapplianceId (required)

Path Parameter – is the value of the id attribute of the CloudBoost resource's resourceId.

Return type

[CloudboostAppliance](#)

Example data

Content-Type: application/json

```
{
  "host" : "10.234.165.138",
  "name" : "10.234.165.138",
  "password" : "*****",
  "resourceId" : {
    "id" : "45.0.248.7.0.0.0.0.156.112.46.90.10.234.165.139",
    "sequence" : 7
  },
  "username" : "maginatics"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

CloudBoost appliance information is retrieved successfully. [CloudboostAppliance](#)

GET /cloudboostappliances

Returns a list of CloudBoost appliances. ([getCloudBoostAppliances](#))

This operation can be used to retrieve the information about all the registered CloudBoost appliances. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[CloudboostApplianceList](#)

Example data

Content-Type: application/json

```
{
  "cloudBoostAppliances" : [ {
    "host" : "10.234.165.138",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/cloudboostappliances/45.0.248.7.0.0.
0.0.156.112.46.90.10.234.165.139",
      "rel" : "item"
    } ],
    "name" : "10.234.165.138",
    "password" : "*****",
    "resourceId" : {
      "id" : "45.0.248.7.0.0.0.0.156.112.46.90.10.234.165.139",
      "sequence" : 7
    },
    "username" : "maginatics"
  } ],
  "count" : 1
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the cloudboost appliances are retrieved successfully.

[CloudboostApplianceList](#)

Datadomainsystems

GET /datadomainsystems

Returns a list of Data Domain systems. ([getDataDomainSystems](#))

This operation can be used to retrieve the information about all the Data Domain systems. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[DataDomainSystemList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "dataDomainSystems" : [ {
    "availableCapacity" : "365 TB",
    "hosts" : "10.118.157.101",
    "inuseFilecopyStreams" : "0",
    "inuseReadStream" : "0",
    "inuseReadWriteStreams" : "16",
    "inuseReplicationStreams" : "0",
    "managementPort" : "3009",
    "maxReadStream" : "300",
    "maxReplicationDestinationStreams" : "1080",
    "maxReplicationSourceStreams" : "540",
    "maxWriteStreams" : "1885",
    "model" : "DD9800",
    "name" : "10.118.157.101",
    "osVersion" : "Data Domain OS 6.1.1.5-582414",
    "serial" : "CKM00180702176",
    "storageNode" : "nsrserverhost",
    "totalCapacity" : "365 TB",
    "totalMaxStreams" : "3994",
    "totalMaxWriteStreams" : "2290",
    "usedCapacity" : "129 GB",
    "usedLogicalCapacity" : "2852 GB",
    "userName" : "ost"
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the Data Domain systems are retrieved successfully.

[DataDomainSystemList](#)

Devices

DELETE /devices/{deviceId}

Deletes the specific device. (**deleteDevice**)

This operation can be used to delete a specific device from NetWorker.

A device represents a storage unit that can contain a backup volume. A device can be a tape device, optical drive, or disk connected to the server or storage node.

Path parameters

deviceId (required)

Path Parameter – is the value of the name attribute in the device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Device is deleted successfully from NetWorker. [EmptyResponse](#)

GET /devices/{deviceId}

Returns the specific device. (**getDevice**)

This operation can fetch the information about the specific device.

A device represents a storage unit that can contain a backup volume. A device can be a tape device, optical drive, or disk connected to the server or storage node.

Path parameters

deviceId (required)

Path Parameter – is the value of the name attribute in the device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[Device](#)

Example data

Content-Type: application/json

```
{
  "autoMediaManagement" : false,
  "cdi" : "NotUsed",
  "cleaningRequired" : false,
  "dataDomainFibreChannel" : false,
  "dataDomainRetentionLockMode" : "None",
  "deviceAccessInfo" : "/space/storage",
  "dltWormCapable" : false,
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/devices/%252Fspace%252Fstorage/op/status",
    "title" : "Volume operation status"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/devices/%252Fspace%252Fstorage/op/label",
    "title" : "Label volume"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/devices/%252Fspace%252Fstorage/op/mount",
    "title" : "Mount volume"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/devices/%252Fspace%252Fstorage/op/unmount",
    "title" : "Unmount volume"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/devices/%252Fspace%252Fstorage/op/verifylabel",
    "title" : "Verify volume label"
  } ],
  "maxNsrmdCount" : 12,
  "maxSession" : 32,
  "mediaFamily" : "Disk",
  "mediaType" : "adv_file",
  "name" : "/space/storage",
  "ndmp" : false,
  "readOnly" : false,
  "resourceId" : {
    "id" : "46.0.255.77.0.0.0.0.98.147.197.91.example.com",
    "sequence" : 1
  },
  "status" : "Enabled",
  "suspectedDevice" : false,
```

```

"tapeAlertsCritical" : [ ],
"tapeAlertsInformation" : [ ],
"tapeAlertsWarning" : [ ],
"targetSession" : 4,
"verifyLabelOnEject" : false,
"volumePool" : "",
"warnOnSuspectVolumesInPercent" : 80,
"wormCapable" : false,
"wormCartridgePresent" : false,
"writeEnabled" : true
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific device is retrieved successfully. [Device](#)

```
GET /devices/{deviceId}/opstatus
```

Returns the status of the specific device. ([getDeviceOpStatus](#))

This operation can be used to retrieve the status of the device. The device name uniquely identifies a device resource instance.

Path parameters

deviceId (required)

Path Parameter – is the value of the name attribute in the device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[DeviceOpStatus](#)

Example data

Content-Type: application/json

```

{
  "operationInProgress" : false,
  "resourceId" : {
    "id" : "46.0.255.77.0.0.0.0.98.147.197.91.10.118.244.205",
    "sequence" : 9
  }
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Status of the device is retrieved successfully. [DeviceOpStatus](#)

GET /devices

Returns a list of devices. (**getDevices**)

This operation can be used to retrieve the information about all the devices. However, the query parameters can be used to filter the response.

A device represents a storage unit that can contain a backup volume. A device can be a tape device, optical drive, or disk connected to the server or storage node.

Query parameters

[Query filters: q and fl](#)

Return type

[DeviceList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "devices" : [ {
    "autoMediaManagement" : false,
    "cdi" : "NotUsed",
    "cleaningRequired" : false,
    "dataDomainFibreChannel" : false,
    "dataDomainRetentionLockMode" : "None",
    "deviceAccessInfo" : "/space/storage",
    "dltWormCapable" : false,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/devices/%252Fspace%252Fstorage",
      "rel" : "item"
    } ],
    "maxNsrmdCount" : 12,
    "maxSession" : 32,
    "mediaFamily" : "Disk",
    "mediaType" : "adv_file",
    "name" : "/space/storage",
    "ndmp" : false,
    "readOnly" : false,
    "resourceId" : {
      "id" : "46.0.255.77.0.0.0.0.98.147.197.91.10.118.244.205",
      "sequence" : 1
    },
    },
    "status" : "Enabled",
    "suspectedDevice" : false,
    "tapeAlertsCritical" : [ ],
    "tapeAlertsInformation" : [ ],
    "tapeAlertsWarning" : [ ],
    "targetSession" : 4,
    "verifyLabelOnEject" : false,
    "volumePool" : "",
    "warnOnSuspectVolumesInPercent" : 80,
    "wormCapable" : false,
    "wormCartridgePresent" : false,
    "writeEnabled" : true
  } ]
}
```

```
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the devices are retrieved successfully. [DeviceList](#)

```
POST /devices/{deviceId}/op/label
```

Creates a label for the specific device resource. The device name uniquely identifies a device resource instance. (**postDeviceOpLabel**)

This operation can be used to label a specific device.

NetWorker uses the volume labels to maintain a record of each backup volume in the online media index.

Path parameters

deviceId (required)

Path Parameter – is the value of the name attribute in the device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

deviceOpLabel [DeviceOpLabel](#) (required)

Body Parameter – Device label to be applied.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[InfoResponse](#)

Example data

Content-Type: application/json

```
{
  "text" : "The request is accepted. To retrieve its status,
  issue an HTTP GET request to URL specified in the 'Location'
  response header."
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

202

Request to label has been accepted. [InfoResponse](#)

POST /devices/{deviceId}/op/mount

Mounts a volume into a device. (**postDeviceOpMount**)

This operation can be used to mount a volume into a device.

A backup volume must be mounted before NetWorker can use it to back up or recover files.

Path parameters

deviceId (required)

Path Parameter – is the value of the name attribute in the device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

deviceOpMount [DeviceOpMount](#) (required)

Body Parameter – Mount information.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[InfoResponse](#)

Example data

Content-Type: application/json

```
{
  "text" : "The request is accepted. To retrieve its status,
issue an HTTP GET request to URL specified in the 'Location'
response header."
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

202

Mount request has been accepted. [InfoResponse](#)

POST /devices/{deviceId}/op/unmount

Unmounts a volume from the specific device. (**postDeviceOpUnmount**)

This operation can be used to unmount a volume from a device.

Path parameters

deviceId (required)

Path Parameter – is the value of the name attribute in the device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body **object** (optional)

Body Parameter –

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[InfoResponse](#)

Example data

Content-Type: application/json

```
{
  "text" : "The request is accepted. To retrieve its status,
  issue an HTTP GET request to URL specified in the 'Location'
  response header."
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

202

Unmount request has been accepted. [InfoResponse](#)

POST /devices/{deviceId}/op/verifylabel

Verifies the label in the specific device. (**postDeviceOpVerifyLabel**)

This operation can be used to verify the device label. Note: Verifying a label unmounts the mounted volumes.

NetWorker uses the volume labels to maintain a record of each backup volume in the online media index.

Path parameters

deviceId (required)

Path Parameter – is the value of the name attribute in the device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [object](#) (optional)

Body Parameter —

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[InfoResponse](#)

Example data

Content-Type: application/json

```
{
  "text" : "The request is accepted. To retrieve its status,
issue an HTTP GET request to URL specified in the 'Location'
response header."
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

202

The request to verify the device label has been accepted. [InfoResponse](#)

POST /devices

Creates a new device. (**postDevices**)

This operation can be used to create a new device.

A device represents a storage unit that can contain a backup volume. A device can be a tape device, optical drive, or disk connected to the server or storage node.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

device [Device](#) (required)

Body Parameter — Device to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Device is created successfully. [EmptyResponse](#)

PUT /devices/{deviceId}

Updates the specific device. (**putDevice**)

This operation can be used to modify the attributes of a specific device.

Path parameters

deviceId (required)

Path Parameter – is the value of the name attribute in the device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

device [Device](#) (required)

Body Parameter – Device attributes to be updated.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Device attributes updated successfully. [EmptyResponse](#)

Directives

DELETE /directives/{directiveId}

Deletes the specific directive. (**deleteDirective**)

This operation can be used to delete the specific directive.

Directives can be created to provide special instructions at the client level. A directive can be

defined to skip certain directories or file types, to compress backup data, or to encrypt backup data.

Path parameters

directiveId (required)

Path Parameter – is the value of the name attribute in the directive resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Directive is deleted successfully. [EmptyResponse](#)

GET /directives/{directiveId}

Returns the specific directive. (**getDirective**)

This operation can fetch the information about the specific directive.

Directives can be created to provide special instructions at the client level. A directive can be defined to skip certain directories or file types, to compress backup data, or to encrypt backup data.

Path parameters

directiveId (required)

Path Parameter – is the value of the name attribute in the directive resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[Directive](#)

Example data

Content-Type: application/json

```
{
  "comment" : "Example Directive",
  "links" : [ ],
  "name" : "Directive Name",
  "resourceId" : {
    "id" : "170.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the directive is retrieved successfully. [Directive](#)

GET /directives

Returns a list of directives. (`getDirectives`)

This operation can be used to retrieve the information about all the directives. However, the query parameters can be used to filter the response.

Directives can be created to provide special instructions at the client level. A directive can be defined to skip certain directories or file types, to compress backup data, or to encrypt backup data.

Query parameters

[Query filters: q and fl](#)

Return type

[DirectiveList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "directives" : [ {
    "directive" : "\n<< / >>\n\tskip: tmp_mnt\n\t+skip:
core\n\t+compressasm: .\n<< /tmp >>\n\tskip: .* * \n<<
/export/swap >>\n\tswapasm: .\n<< /nsr >>\n\tallow\n<< /nsr/logs
>>\n\tlogasm: .\n<< /var >>\n\tlogasm: * \n<< /usr/adm
>>\n\tlogasm: .\n<< /usr/spool >>\n\tlogasm: .\n<<
/usr/spool/mail >>\n\tmailasm: .\n<< /usr/mail >>\n\tmailasm:
.\n",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/directives/Unix%2Bwith%2Bcompression
%2Bdirectives",
      "rel" : "item"
    } ],
    "name" : "Unix with compression directives",
    "resourceId" : {
      "id" : "46.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    }
  }, {
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/directives/VCB%2Bdirective",
      "rel" : "item"
    } ],
    "name" : "VCB directive",
    "resourceId" : {
      "id" : "50.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    }
  }
]
```

```
}
} ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the directives are retrieved successfully. [DirectiveList](#)

Example data

Content-Type: application/json

```
{count=2, directives=[{directive=
<< / >>
skip: tmp_mnt
+skip: core
+compressasm: .
<< /tmp >>
skip: .* *
<< /export/swap >>
swapasm: .
<< /nsr >>
allow
<< /nsr/logs >>
logasm: .
<< /var >>
logasm: *
<< /usr/adm >>
logasm: .
<< /usr/spool >>
logasm: .
<< /usr/spool/mail >>
mailasm: .
<< /usr/mail >>
mailasm: .
, links=[{href=https://networker-
ip:9090/nwrestapi/v3/global/directives/Unix%2Bwith%2Bcompression
%2Bdirectives, rel=item}], name=Unix with compression
directives,
resourceId={id=46.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176,
sequence=1}}, {links=[{href=https://networker-
ip:9090/nwrestapi/v3/global/directives/VCB%2Bdirective,
rel=item}], name=VCB directive,
resourceId={id=50.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176,
sequence=1}}]}
```

POST /directives

Creates a new directive. (postDirectives)

This operation can be used to create a directive.

Directives can be created to provide special instructions at the client level. A directive can be

defined to skip certain directories or file types, to compress backup data, or to encrypt backup data.

Request body

directive [Directive](#) (required)

Body Parameter – Directive to be created.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

The directive is created successfully. [EmptyResponse](#)

PUT /directives/{directiveId}

Updates the specific directive. (**putDirective**)

This operation can be used to modify the specific directive.

Directives can be created to provide special instructions at the client level. A directive can be defined to skip certain directories or file types, to compress backup data, or to encrypt backup data.

Path parameters

directiveId (required)

Path Parameter – is the value of the name attribute in the directive resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

directive [Directive](#) (required)

Body Parameter – Directive data for update.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Directive is updated successfully. [EmptyResponse](#)

Inspect

POST /inspect

(postInspect)

This operation can be used to obtain the details of a Remote Agent based client.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

inspect [inspect](#) (required)

Body Parameter —

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[SAPClientInspect](#)

Example data

Content-Type: application/json

```
{
  "server" : "server",
  "hostname" : "hostname",
  "virtual" : true,
  "debug" : 0,
  "saphana" : {
    "instances" : [ {
      "instanceId" : "instanceId",
      "sid" : "sid"
    }, {
      "instanceId" : "instanceId",
      "sid" : "sid"
    } ]
  },
  "isWindows" : true,
  "type" : "Filesystem"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Details of the remote agent client are obtained successfully. [SAPClientInspect](#)

Jobs

`GET /jobs/{jobId}`

Returns the specific job. (**getJob**)

This operation can fetch the information about the specific job. The job is a generic label for performing any operations, such as savefs, save, archive, index, and recover operations. NetWorker removes the job information from the job database based on value of the jobsdb retention in hours attribute in the properties of the NetWorker server resource. The default jobsdb retention is 72 hours.

Path parameters

jobId (required)

Path Parameter – is the value of the id attribute in the job resource. It is a numeric value that uniquely identifies a job resource instance.

Return type

[Job](#)

Example data

Content-Type: application/json

```
{
  "adhocJob" : false,
  "command" : "\"C:\\\\Program Files\\\\EMC
NetWorker\\\\nsr\\\\bin\\\\nsrworkflow.exe\" -s host_name_1 -p
TEST -w TEST_WF -L",
  "completionStatus" : "Succeeded",
  "dependentJobIds" : [ 0 ],
  "endTime" : "2018-10-18T04:27:51-04:00",
  "exitCode" : 0,
  "id" : 5,
  "itemIdLong" : 5,
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/5/log",
    "title" : "View job log"
  } ],
  "logFile" : "C:\\Program Files\\EMC
NetWorker\\nsr\\logs\\policy\\TEST\\workflow_TEST_WF_000005.raw"
,
  "message" : "133550 1539851212 1 0 0 14548 13976 0 host_name_1
nsrworkflow NSR notice 31 Starting %s '%s' workflow '%s'. 3 11
24 127405:Protection Policy 0 4 TEST 0 7 TEST_WF\\n123316
1539851212 1 0 0 14548 13976 0 host_name_1 nsrworkflow NSR
notice 46 Starting action '%s/%s/%s' with command: '%s'. 4 0 4
TEST 0 7 TEST_WF 0 6 backup 0 32 savegrp -Z backup:traditional -
v\\n123321 1539851212 1 0 0 14548 13976 0 host_name_1 nsrworkflow
NSR notice 39 Action '%s/%s/%s's log will be in '%s'. 4 0 4 TEST
0 7 TEST_WF 0 6 backup 23 77 C:\\Program Files\\EMC
NetWorker\\nsr\\logs\\policy\\TEST\\TEST_WF\\backup_000006.raw\\n
123325 1539851271 1 0 0 14548 13976 0 host_name_1 nsrworkflow
NSR notice 21 Action '%s/%s/%s' %s. 4 0 4 TEST 0 7 TEST_WF 0 6
backup 0 9 succeeded\\n133553 1539851271 1 0 0 14548 13976 0
```



```

host_name_1 nsrworkflow NSR notice 27 Workflow '%s/%s'
succeeded. 2 0 4 TEST 0 7 TEST_WF\n",
  "name" : "TEST",
  "ndmp" : false,
  "parentJobId" : 0,
  "previousJobId" : 0,
  "progress" : "1/1/0",
  "rootParentJobId" : 0,
  "runOnHost" : "host_name_1",
  "siblingJobIds" : [ ],
  "startTime" : "2018-10-18T04:26:52-04:00",
  "state" : "Completed",
  "stopped" : true,
  "tenant" : "",
  "type" : "workflow job",
  "workflowName" : "TEST_WF"
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific job is retrieved successfully. [Job](#)

```
GET /jobgroups/{jobGroupId}
```

Returns a list of jobs that belong to the job group. ([getJobGroup](#))

This operation can fetch the information about the specific job group.

Path parameters

jobGroupId (required)

Path Parameter – is the value of the id attribute in the job group resource.

Return type

[JobList](#)

Example data

Content-Type: application/json

```

{
  "count" : 1,
  "jobs" : [ {
    "adhocJob" : false,
    "command" : "\"C:\\\\Program Files\\\\EMC
NetWorker\\\\nsr\\\\bin\\\\nsrtask.exe\" -C
DefaultNsrclientfixTask",
    "completionStatus" : "Failed",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-20T07:00:01-04:00",
    "exitCode" : 1,
    "id" : 49,
    "itemIdLong" : 49,
    "links" : [ {

```

```

      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/49",
      "rel" : "item"
    } ],
    "name" : "DefaultNsrclientfixTask",
    "ndmp" : false,
    "parentJobId" : 0,
    "previousJobId" : 0,
    "rootParentJobId" : 0,
    "runOnHost" : "host_name_1",
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-20T07:00:01-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "task job"
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific job group is retrieved successfully. [JobList](#)

GET /jobgroups

Returns a list of job groups. ([getJobGroups](#))

This operation can be used to retrieve the information about all the job groups. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[JobList](#)

Example data

Content-Type: application/json

```

{
  "count" : 3,
  "jobs" : [ {
    "adhocJob" : false,
    "command" : "\"C:\\\\Program Files\\\\EMC
NetWorker\\\\nsr\\\\bin\\\\nsrworkflow.exe\" -p TEST -w TEST_WF
-a -L -c host_name_1",
    "completionStatus" : "Succeeded",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-23T01:21:00-04:00",
    "exitCode" : 0,
    "id" : 107,
    "itemIdLong" : 107,
    "links" : [ {

```

```

    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobgroups/107",
    "rel" : "item"
  } ],
  "logFile" : "<C:>",
  "message" : "133550 1540272002 1 0 0 13704 14612 0
host_name_1 nsrworkflow NSR notice 31 Starting %s '%s' workflow
'%s'. 3 11 24 127405:Protection Policy 0 4 TEST 0 7
TEST_WF\n123316 1540272002 1 0 0 13704 14612 0 host_name_1
nsrworkflow NSR notice 46 Starting action '%s/%s/%s' with
command: '%s'. 4 0 4 TEST 0 7 TEST_WF 0 6 backup 0 32 savegrp -Z
backup:traditional -v\n123321 1540272002 1 0 0 13704 14612 0
host_name_1 nsrworkflow NSR notice 39 Action '%s/%s/%s's log
will be in '%s'. 4 0 4 TEST 0 7 TEST_WF 0 6 backup 23 77 C:
1540272060 1 0 0 13704 14612 0 host_name_1 nsrworkflow NSR
notice 21 Action '%s/%s/%s' %s. 4 0 4 TEST 0 7 TEST_WF 0 6
backup 0 9 succeeded\n133553 1540272060 1 0 0 13704 14612 0
host_name_1 nsrworkflow NSR notice 27 Workflow '%s/%s'
succeeded. 2 0 4 TEST 0 7 TEST_WF\n",
  "name" : "TEST",
  "ndmp" : false,
  "parentJobId" : 0,
  "previousJobId" : 0,
  "progress" : "1/1/0",
  "rootParentJobId" : 0,
  "runOnHost" : "host_name_1",
  "siblingJobIds" : [ ],
  "startTime" : "2018-10-23T01:20:02-04:00",
  "state" : "Completed",
  "stopped" : true,
  "tenant" : "",
  "type" : "workflow job",
  "workflowName" : "TEST_WF"
}, {
  "adhocJob" : false,
  "command" : "\"C:\\\\Program Files\\\\EMC
NetWorker\\\\nsr\\\\bin\\\\nsrworkflow.exe\" -s host_name_1 -p
TEST -w TEST_WF -L",
  "completionStatus" : "Succeeded",
  "dependentJobIds" : [ 0 ],
  "endTime" : "2018-10-22T21:00:59-04:00",
  "exitCode" : 0,
  "id" : 101,
  "itemIdLong" : 101,
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobgroups/101",
    "rel" : "item"
  } ],
  "logFile" : "<C:>",
  "message" : "133550 1540256401 1 0 0 17208 16312 0
host_name_1 nsrworkflow NSR notice 31 Starting %s '%s' workflow
'%s'. 3 11 24 127405:Protection Policy 0 4 TEST 0 7
TEST_WF\n123316 1540256401 1 0 0 17208 16312 0 host_name_1
nsrworkflow NSR notice 46 Starting action '%s/%s/%s' with
command: '%s'. 4 0 4 TEST 0 7 TEST_WF 0 6 backup 0 32 savegrp -Z
backup:traditional -v\n123321 1540256401 1 0 0 17208 16312 0

```

```

host_name_1 nsrworkflow NSR notice 39 Action '%s/%s/%s's log
will be in '%s'. 4 0 4 TEST 0 7 TEST_WF 0 6 backup 23 77 C:
1540256459 1 0 0 17208 16312 0 host_name_1 nsrworkflow NSR
notice 21 Action '%s/%s/%s' %s. 4 0 4 TEST 0 7 TEST_WF 0 6
backup 0 9 succeeded\n133553 1540256459 1 0 0 17208 16312 0
host_name_1 nsrworkflow NSR notice 27 Workflow '%s/%s'
succeeded. 2 0 4 TEST 0 7 TEST_WF\n",
    "name" : "TEST",
    "ndmp" : false,
    "parentJobId" : 0,
    "previousJobId" : 0,
    "progress" : "1/1/0",
    "rootParentJobId" : 0,
    "runOnHost" : "host_name_1",
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-22T21:00:01-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "workflow job",
    "workflowName" : "TEST_WF"
  }, {
    "adhocJob" : false,
    "command" : "\"C:\\\\Program Files\\\\EMC
NetWorker\\\\nsr\\\\bin\\\\nsrtask.exe\" -C
DefaultNsrclientfixTask",
    "completionStatus" : "Failed",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-20T07:00:01-04:00",
    "exitCode" : 1,
    "id" : 49,
    "itemIdLong" : 49,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobgroups/49",
      "rel" : "item"
    } ],
    "name" : "DefaultNsrclientfixTask",
    "ndmp" : false,
    "parentJobId" : 0,
    "previousJobId" : 0,
    "rootParentJobId" : 0,
    "runOnHost" : "host_name_1",
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-20T07:00:01-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "task job"
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the job groups are retrieved successfully. [JobList](#)

GET /jobindications

Returns a list of job indications. ([getJobIndications](#))

This operation can be used to retrieve the information about all the job indications. However, the query parameters can be used to filter the response.

Job indications are messages sent to job daemon by the clients if it encounters any interruption during the execution.

Query parameters

[Query filters: q and fl](#)

Return type

[JobIndicationList](#)

Example data

Content-Type: application/json

```
{
  "count" : 3,
  "jobIndications" : [ {
    "jobId" : 192026,
    "message" : "Unable to find any full backups of the save set
'10.31.227.131:/tools_mnt/lgtonode-99.0.99.8841-1.x86_64.rpm' in
the media database. Recommending that a full backup be
performed.\n",
    "messageId" : "0",
    "originComponent" : "Savegroup",
    "severity" : "Information",
    "timestamp" : "2018-10-30T09:08:55+05:30"
  }, {
    "jobId" : 128061,
    "message" : "ncdqd131:/nsr/nmc/nmcd_b_stage: retried 1
times.\n",
    "messageId" : "0",
    "originComponent" : "Savegroup",
    "severity" : "Information",
    "timestamp" : "2018-10-28T14:00:40+05:30"
  }, {
    "jobId" : 128048,
    "message" : "ncdqd131:/nsr/nmc/nmcd_b_stage: retried 1
times.\n",
    "messageId" : "0",
    "originComponent" : "Savegroup",
    "severity" : "Information",
    "timestamp" : "2018-10-27T14:00:40+05:30"
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the job indications are retrieved successfully. [JobIndicationList](#)

```
GET /jobs/{jobId}/log
```

Returns the log file for a specific job. (**getJobLog**)

This operation can fetch the log file associated with the specific job. NetWorker removes the job information from the job database based on value of the jobsdb retention in hours attribute in the properties of the NetWorker server resource. The default jobsdb retention is 72 hours.

Path parameters

jobId (required)

Path Parameter – is the value of the id attribute in the job resource. It is a numeric value that uniquely identifies a job resource instance.

Return type

Object

Example data

Content-Type: application/octet-stream

```
"133550 1540272002 1 0 0 13704 14612 0 host_name_1 nsrworkflow
NSR notice 31 Starting %s '%s' workflow '%s'. 3 11 24
127405:Protection Policy 0 4 TEST 0 7 TEST_WF\n123316 1540272002
1 0 0 13704 14612 0 host_name_1 nsrworkflow NSR notice 46
Starting action '%s/%s/%s' with command: '%s'. 4 0 4 TEST 0 7
TEST_WF 0 6 backup 0 32 savegrp -Z backup:traditional -v\n123321
1540272002 1 0 0 13704 14612 0 host_name_1 nsrworkflow NSR
notice 39 Action '%s/%s/%s's log will be in '%s'. 4 0 4 TEST 0 7
TEST_WF 0 6 backup 23 77 C:\\Program Files\\EMC
NetWorker\\nsr\\logs\\policy\\TEST\\TEST_WF\\backup_000108.raw\n
123325 1540272060 1 0 0 13704 14612 0 host_name_1 nsrworkflow
NSR notice 21 Action '%s/%s/%s' %s. 4 0 4 TEST 0 7 TEST_WF 0 6
backup 0 9 succeeded\n133553 1540272060 1 0 0 13704 14612 0
host_name_1 nsrworkflow NSR notice 27 Workflow '%s/%s'
succeeded. 2 0 4 TEST 0 7 TEST_WF \n\n"
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/octet-stream

Responses

200

Information about the specific job file is retrieved successfully. [Object](#)

```
GET /jobs
```

Returns a list of jobs. (**getJobs**)

This operation can be used to retrieve the information about all the job instances. However, the query parameters can be used to filter the response.

The job is a generic label for performing any operations, such as savefs, save, archive, index, and recover operations.

Note: NetWorker removes the job information from the job database based on value of the jobsdb retention in hours attribute in the properties of the NetWorker server resource. The default jobsdb retention is 72 hours.

Query parameters

[Query filters: q and fl](#)

Return type

[JobList](#)

Example data

Content-Type: application/json

```
{
  "count" : 3,
  "jobs" : [ {
    "adhocJob" : false,
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-18T04:25:50-04:00",
    "exitCode" : 0,
    "id" : 3,
    "itemIdLong" : 3,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/3",
      "rel" : "item"
    } ],
    "name" : "nsrfsra",
    "ndmp" : false,
    "parentJobId" : 0,
    "previousJobId" : 0,
    "rootParentJobId" : 0,
    "runOnHost" : "host_name_1",
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-18T04:25:23-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "generic remote command"
  }, {
    "adhocJob" : false,
    "command" : "nsrfsra",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-18T04:25:05-04:00",
    "exitCode" : 0,
    "id" : 2,
    "itemIdLong" : 2,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/2",
      "rel" : "item"
    } ],
    "name" : "nsrfsra",
    "ndmp" : false,
    "parentJobId" : 1,
    "previousJobId" : 0,
    "rootParentJobId" : 1,
```

```

    "runOnHost" : "host_name_1",
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-18T04:24:47-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "generic remote command"
  }, {
    "adhocJob" : false,
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-18T04:25:05-04:00",
    "exitCode" : 0,
    "id" : 1,
    "itemIdLong" : 1,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/1",
      "rel" : "item"
    } ],
    "name" : "nsrfsra",
    "ndmp" : false,
    "parentJobId" : 0,
    "previousJobId" : 0,
    "rootParentJobId" : 0,
    "runOnHost" : "host_name_1",
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-18T04:24:47-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "generic remote command"
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the jobs are retrieved successfully. [JobList](#)

POST /jobs/{jobId}/op/cancel

Cancels the specific job. (**postJobOpCancel**)

This operation can be used to cancel a specific job.

Path parameters

jobId (required)

Path Parameter — is the value of the id attribute in the job resource. It attribute is a numeric value that uniquely identifies a job resource instance.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

jobOpCancel [JobOpCancel](#) (required)

Body Parameter – Empty JSON body as a parameter.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

202

Job cancellation request is accepted.

Labels

```
DELETE /labels/{labelId}
```

Deletes the specific label. (**deleteLabel**)

This operation can be used to delete the specific label.

A label represents a template used to generate volume labels.

Path parameters

labelId (required)

Path Parameter – is the value of the name attribute in the label resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Information about the label is retrieved successfully. [EmptyResponse](#)

```
GET /labels/{labelId}
```

Returns the specific label. (**getLabel**)

This operation can fetch the information about the specific label.

A label represents a template used to generate volume labels.

Path parameters

labelId (required)

Path Parameter – is the value of the name attribute in the label resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[Label](#)

Example data

Content-Type: application/json

```
{
  "comment" : "Example Label",
  "fields" : [ "backup", "001-999" ],
  "links" : [ ],
  "name" : "Label Name",
  "next" : "backup.001",
  "resourceId" : {
    "id" : "172.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  },
  "separator" : "."
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the label is retrieved successfully. [Label](#)

GET /labels

Returns a list of labels. (**getLabels**)

This operation can be used to retrieve the information about all the labels. However, the query parameters can be used to filter the response.

A Label describes the templates used to generate volume labels.

Query parameters

[Query filters: q and fl](#)

Return type

[LabelList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
```

```

"labels" : [ {
  "fields" : [ "bob_restapi_c", "pcarchive", "001-999" ],
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/labels/PC%2BArchive%2BClone",
    "rel" : "item"
  } ],
  "name" : "PC Archive Clone",
  "next" : "bob_restapi_c.pcarchive.001",
  "resourceId" : {
    "id" : "96.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  },
  "separator" : "."
}, {
  "fields" : [ "bob_restapi", "001-999", "a-b" ],
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/labels/Two%2BSided",
    "rel" : "item"
  } ],
  "name" : "Two Sided",
  "next" : "bob_restapi.001.a",
  "resourceId" : {
    "id" : "90.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  },
  "separator" : "."
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the labels are retrieved successfully. [LabelList](#)

POST /labels

Creates a new label. (**postLabel**)

This operation can be used to create a label.

A label represents a template used to generate volume labels.

Request body

label [Label](#) (required)

Body Parameter – Label to be created.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A new label created successfully. [EmptyResponse](#)

PUT /labels/{labelId}

Updates the specific label. (**putLabel**)

This operation can be used to update the specific label.

A label represents a template used to generate volume labels.

Path parameters

labelId (required)

Path Parameter – is the value of the name attribute in the label resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

label [Label](#) (required)

Body Parameter – Label data for update.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Label is updated successfully. [EmptyResponse](#)

Licenses

GET /licenses/{licenseId}

Returns the specific license. (**getLicense**)

This operation can fetch the information about the specific license.

A license resource provides information about a NetWorker license.

Path parameters

licenseId (required)

Path Parameter – is the value of the id attribute of the license resource's resourceId.

Return type

[License](#)

Example data

Content-Type: application/json

```
{
  "enablerCode" : "none",
  "expirationDate" : "2019-01-14T00:00:00-05:00",
  "hostId" : "760acdf4",
  "licenseType" : "E10",
  "name" : "NetWorker/10 Eval",
  "resourceId" : {
    "id" : "33.0.251.12.0.0.0.0.53.59.196.91.10.118.244.205",
    "sequence" : 1
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specified license is retrieved successfully. [License](#)

GET /licenses

This operation returns a list of licenses. (**getLicenses**)

This operation can be used to retrieve the information about all the licenses. However, the query parameters can be used to filter the response.

A license resource provides information about a NetWorker license.

Query parameters

[Query filters: q and fl](#)

Return type

[LicenseList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "licenses" : [ {
    "enablerCode" : "none",
    "expirationDate" : "2019-01-14T00:00:00-05:00",
    "hostId" : "760acdf4",
    "licenseType" : "E10",
    "links" : [ {
```

```

    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/licenses/33.0.251.12.0.0.0.0.53.59.1
96.91.10.118.244.205",
    "rel" : "item"
  } ],
  "name" : "NetWorker/10 Eval",
  "resourceId" : {
    "id" : "33.0.251.12.0.0.0.0.53.59.196.91.10.118.244.205",
    "sequence" : 1
  }
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the licenses are retrieved successfully. [LicenseList](#)

Lockbox

DELETE /lockbox/{id}

This operation deletes the specific lockbox. (**deleteLockbox**)

This operation can be used to delete a specific lockbox resource.

Path parameters

id (required)

Path Parameter – This attribute specifies the value of the client IP address.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Lockbox instance is deleted successfully. [EmptyResponse](#)

GET /lockbox/{id}

This operation returns the specific lockbox. (**getLockbox**)

This operation fetches the specific lockbox created for a client.

Path parameters

id (required)

Path Parameter – This attribute specifies the value of the client IP address.

Return type

[Lockbox](#)

Example data

Content-Type: application/json

```
{
  "administrator" : [ "user=root,host=centos67_base",
"user=administrator,host=centos67_base",
"user=system,host=centos67_base",
"user=nsrnmcc,host=centos67_base" ],
  "client" : "10.125.1.45",
  "externalRoles" : [
"cn=administrator,cn=Users,dc=CentOS67_base" ],
  "hostname" : "centos67_base",
  "links" : [ ],
  "name" : "10.125.1.45",
  "resourceId" : {
    "id" : "50.0.59.95.0.0.0.0.142.152.61.93.10.118.247.89",
    "sequence" : 2
  },
  "users" : [ "user=root,host=centos67_base",
"user=administrator,host=centos67_base",
"user=system,host=centos67_base",
"user=nsrnmcc,host=centos67_base", "root@10.125.1.45" ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specified lockbox is retrieved successfully. [Lockbox](#)

GET /lockbox

This operation returns the lockbox name. ([getLockboxes](#))

This operation can be used to retrieve the information about the lockbox.

Query parameters

[Query filters: q and fl](#)

Return type

[LockboxList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "lockbox" : [ {
```

```

    "administrator" : [ "user=root,host=centos67_base",
"user=administrator,host=centos67_base",
"user=system,host=centos67_base",
"user=nsrnmcc,host=centos67_base" ],
    "client" : "10.125.1.45",
    "externalRoles" : [
"cn=administrator,cn=Users,dc=CentOS67_base" ],
    "hostname" : "centos67_base",
    "links" : [ ],
    "name" : "10.125.1.45",
    "resourceId" : {
        "id" : "50.0.59.95.0.0.0.0.142.152.61.93.10.118.247.89",
        "sequence" : 2
    },
    "users" : [ "user=root,host=centos67_base",
"user=administrator,host=centos67_base",
"user=system,host=centos67_base",
"user=nsrnmcc,host=centos67_base", "root@10.125.1.45" ]
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the lockbox is retrieved successfully. [LockboxList](#)

POST /lockbox

This operation creates a new lockbox. (**postLockbox**)

This operation creates the lockbox for the client.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

lockbox [LockboxPayload](#) (required)

Body Parameter – This attribute specifies the lockbox to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A new lockbox is created successfully. [EmptyResponse](#)

PUT /lockbox/{id}

This operation updates the existing lockbox resource. (**putLockbox**)

This operation updates the lockbox for the client.

Path parameters

id (required)

Path Parameter – This attribute specifies the value of the client IP address.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

lockbox [LockboxPayload](#) (required)

Body Parameter – This attribute specifies the lockbox attributes to be updated.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Lockbox resource is updated successfully. [EmptyResponse](#)

Nasdevices

DELETE /nasdevices/{nasdeviceId}

Deletes the specific NAS device. (**deleteNasDevice**)

This operation can be used to delete a specific NAS device from NetWorker.

Path parameters

nasdeviceId (required)

Path Parameter – is the value of the name attribute in the NAS device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

NAS Device is deleted successfully from NetWorker. [EmptyResponse](#)

```
GET /nasdevices/{nasdeviceId}
```

Returns the specific NAS device. ([getNasDevice](#))

This operation can fetch the information about the specific NAS device.

Path parameters

nasdeviceId (required)

Path Parameter – is the value of the name attribute in the NAS device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[NASDevice](#)

Example data

Content-Type: application/json

```
{
  "comment" : "Updating the NAS device",
  "name" : "ISILON",
  "nasDeviceManagementName" : "ndmp",
  "nasManagementPassword" : "*****",
  "nasManagementUser" : "root",
  "resourceId" : {
    "id" : "209.0.212.14.0.0.0.0.73.140.56.92.10.118.149.220",
    "sequence" : 2
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific NAS device is retrieved successfully. [NASDevice](#)

GET /nasdevices

Returns a list of NAS devices. ([getNasDevices](#))

This operation can be used to retrieve the information about all the NAS devices. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[NASDeviceList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "nasDevices" : [ {
    "comment" : "Updating the NAS device",
    "links" : [ {
      "href" :
"https://10.118.149.220:9090/nwrestapi/v3/global/nasdevices/ISIL
ON",
      "rel" : "item"
    } ],
    "name" : "ISILON",
    "nasDeviceManagementName" : "ndmp",
    "nasManagementPassword" : "*****",
    "nasManagementUser" : "root",
    "resourceId" : {
      "id" : "209.0.212.14.0.0.0.0.73.140.56.92.10.118.149.220",
      "sequence" : 2
    }
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the NAS Devices are retrieved successfully. [NASDeviceList](#)

POST /nasdevices

Creates a new NAS device. ([postNasDevices](#))

This operation can be used to create a new NAS device.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

device [NASDevice](#) (required)

Body Parameter – NAS Device to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

NAS Device is created successfully. [EmptyResponse](#)

PUT /nasdevices/{nasdeviceId}

Updates the specific NAS device. ([putNasDevice](#))

This operation can be used to modify the attributes of a specific NAS device.

Path parameters

nasdeviceId (required)

Path Parameter – is the value of the name attribute in the NAS device resource. The device name uniquely identifies a device resource instance. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

device [Device](#) (required)

Body Parameter – NAS Device attributes to be updated.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

NAS Device attributes updated successfully. [EmptyResponse](#)

Notifications

DELETE /notifications/{notificationId}

Deletes the specific notification. (**deleteNotification**)

This operation can be used to delete a specific notification.

Notification serves as a means to attach an event of interest to a specific action, where the action can be a command or custom script to be run.

Path parameters

notificationId (required)

Path Parameter – is the value of the name attribute in the notification resource.

Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Notification instance is deleted successfully from NetWorker. [EmptyResponse](#)

GET /notifications/{notificationId}

Returns information about the specific notification. (**getNotification**)

This operation can be used to retrieve the information about the specific notification.

Notification serves as a means to attach an event of interest to a specific action, where the action can be a command or custom script to be run. For example, a notification can be configured to send email for a certain type of event.

Path parameters

notificationId (required)

Path Parameter – is the value of the name attribute in the notification resource.

Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[Notification](#)

Example data

Content-Type: application/json

```
{
  "action" : "smtpmail -h mailhost -s \"host : Bus/Device reset
detected\" Administrators",
  "events" : [ "BusDeviceReset" ],
  "name" : "Bus/Device Reset",
  "priorities" : [ "Alert", "Warning" ],
  "resourceId" : {
    "id" : "9.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the notification is retrieved successfully. [Notification](#)

GET /notifications

Returns a list of notifications. ([getNotifications](#))

This operation can be used to retrieve a list of notifications. However, the query parameters can be used to filter the response.

Notification serves as a means to attach an event of interest to a specific action, where the action can be a command or custom script to be run.

Query parameters

[Query filters: q and fl](#)

Return type

[NotificationList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "notifications" : [ {
    "action" : "smtpmail -h mailhost -s \"Volume marked full\"
Administrators",
    "events" : [ "Media" ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/notifications/Volume%2Bmarked%2Bfull
",
      "rel" : "item"
    } ],
    "name" : "Volume marked full",
    "priorities" : [ "Alert" ],
```

```

    "resourceId" : {
      "id" : "27.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    }
  }, {
    "action" : "nsrlog -f \\C:\\Program Files\\EMC
NetWorker\\nsr\\logs\\media.log\"",
    "events" : [ "VolumeScanNeeded" ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/notifications/Volume%2Bscan%2Bneeded
",
      "rel" : "item"
    } ],
    "name" : "Volume scan needed",
    "priorities" : [ "Emergency" ],
    "resourceId" : {
      "id" : "31.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    }
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the notifications are retrieved successfully. [NotificationList](#)

POST /notifications

Creates a new notification. (**postNotification**)

This operation can be used to create a new notification.

Notification serves as a means to attach an event of interest to a specific action, where the action can be a command or custom script to be run. For example, a notification can be configured to send email for a certain type of event.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

notification [Notification](#) (required)

Body Parameter – Notification to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Notification is created successfully. [EmptyResponse](#)

PUT /notifications/{notificationId}

Updates the specific notification. (**putNotification**)

This operation can be used to update a specific notification.

Notification serves as a means to attach an event of interest to a specific action, where the action can be a command or custom script to be run. For example, a notification may be updated to modify the associated priorities or the action.

Path parameters

notificationId (required)

Path Parameter – is the value of the name attribute in the notification resource.

Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

notification [Notification](#) (required)

Body Parameter – Notification data for update.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Notification is updated successfully. [EmptyResponse](#)

Pools

DELETE /pools/{poolId}

Deletes the specific media pool. (**deletePool**)

This operation can be used to delete a media pool from NetWorker.

A media pool represents a collection of backups.

Path parameters

poolId (required)

Path Parameter – is the value of the name attribute in the pool resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Media pool is deleted successfully. [EmptyResponse](#)

GET /pools/{poolId}

Returns the specific media pool. (**getPool**)

This operation can fetch the information about the specific media pool.

A media pool represents a collection of backups.

Path parameters

poolId (required)

Path Parameter – is the value of the name attribute in the pool resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[Pool](#)

Example data

Content-Type: application/json

```
{
  "autoMediaVerify" : false,
  "createDltWorm" : false,
  "devices" : [ ],
```

```

"enabled" : true,
"labelTemplate" : "Archive",
"links" : [ ],
"maxParallelism" : 0,
"maxVolumesToRecycle" : 200,
"name" : "Archive",
"poolType" : "Archive",
"recycleFromOtherPools" : false,
"recycleInterval" : "24:00",
"recycleToOtherPools" : false,
"resourceId" : {
  "id" : "106.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
  "sequence" : 1
},
"storeIndexEntries" : false,
"wormPool" : false
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

The specified media pool is retrieved successfully. [Pool](#)

GET /pools

Returns a list of media pools. ([getPools](#))

This operation can be used to retrieve the information about all the media pools. However, the query parameters can be used to filter the response.

A media pool represents a collection of backups.

Query parameters

[Query filters: q and fl](#)

Return type

[PoolList](#)

Example data

Content-Type: application/json

```

{
  "count" : 2,
  "pools" : [ {
    "autoMediaVerify" : false,
    "createDltWorm" : false,
    "devices" : [ ],
    "enabled" : true,
    "labelTemplate" : "Archive",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/pools/Archive",
      "rel" : "item"
    } ],
  } ],
}

```

```

    "maxParallelism" : 0,
    "maxVolumesToRecycle" : 200,
    "name" : "Archive",
    "poolType" : "Archive",
    "recycleFromOtherPools" : false,
    "recycleInterval" : "24:00",
    "recycleToOtherPools" : false,
    "resourceId" : {
      "id" : "106.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    },
    "storeIndexEntries" : false,
    "wormPool" : false
  }, {
    "autoMediaVerify" : false,
    "createDltWorm" : false,
    "devices" : [ ],
    "enabled" : true,
    "labelTemplate" : "Archive Clone",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/pools/Archive%2BClone",
      "rel" : "item"
    } ],
    "maxParallelism" : 0,
    "maxVolumesToRecycle" : 200,
    "name" : "Archive Clone",
    "poolType" : "ArchiveClone",
    "recycleFromOtherPools" : false,
    "recycleInterval" : "24:00",
    "recycleToOtherPools" : false,
    "resourceId" : {
      "id" : "107.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    },
    "storeIndexEntries" : false,
    "wormPool" : false
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the media pools are retrieved successfully. [PoolList](#)

POST /pools

Creates a new media pool. (**postPools**)

This operation can be used to create a media pool.

A media pool represents a collection of backups.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

pool [Pool](#) (required)

Body Parameter – Media pool to be created.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A new media pool is created successfully. [EmptyResponse](#)

PUT /pools/{poolId}

Updates the specific media pool. (**putPool**)

This operation can be used to modify the attributes of a media pool.

A media pool represents a collection of backups.

Path parameters

poolId (required)

Path Parameter – is the value of the name attribute in the pool resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

pool [Pool](#) (required)

Body Parameter – Media pool data for the update.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Media pool is updated successfully. [EmptyResponse](#)

Probes

DELETE /probes/{probeId}

Deletes the specific probe. (**deleteProbe**)

This operation can be used to delete the specific probe.

The probe resource can be associated to a specific NetWorker client resource, so that probe is initiated against that NetWorker client before the backup begins. Further, the client should be assigned to the protection group that is tied with a workflow having a probe action.

Path parameters

probeId (required)

Path Parameter – is the value of the name attribute in the probe resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Probe is deleted successfully. [EmptyResponse](#)

GET /probes/{probeId}

Returns the specific probe. (**getProbe**)

This operation can be used to retrieve the information about the specific probe.

The probe resource can be associated to a specific NetWorker client resource, so that probe is initiated against that NetWorker client before the backup begins. Further, the client should be assigned to the protection group that is tied with a workflow having a probe action.

Path parameters

probeId (required)

Path Parameter – is the value of the name attribute in the probe resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[Probe](#)

Example data

Content-Type: application/json

```
{
  "commandOptions" : "host-restapi",
  "comment" : "Probing nsrinfo",
  "name" : "nsrinfo_probe",
  "probeCommand" : "nsrinfo",
  "resourceId" : {
    "id" : "193.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the probe is retrieved successfully. [Probe](#)

GET /probes

Returns a list of probes. ([getProbes](#))

This operation can be used to retrieve a list of probe resource instances. However, the query parameters can be used to filter the response.

The probe resource can be associated to a specific NetWorker client resource, so that probe is initiated against that NetWorker client before the backup begins. The client must be assigned to the protection group that is associated with a workflow having a probe action.

Query parameters

[Query filters: q and fl](#)

Return type

[ProbeList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "probes" : [ {
    "commandOptions" : "host-restapi",
    "comment" : "Probing nsrinfo",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/probes/nsrinfo_probe",
      "rel" : "item"
    } ],
  } ],
}
```

```
"name" : "nsrinfo_probe",
"probeCommand" : "nsrinfo",
"resourceId" : {
  "id" : "193.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
  "sequence" : 1
}
} ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the probe resources are retrieved successfully. [ProbeList](#)

POST /probes

Creates a new probe. (**postProbes**)

This operation can be used to create a probe.

The probe resource can be associated to a specific NetWorker client resource, so that probe is initiated against that NetWorker client before the backup begins. Further, the client should be assigned to the protection group that is tied with a workflow having a probe action.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

probe [Probe](#) (required)

Body Parameter – Probe to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Probe is created successfully. [EmptyResponse](#)

PUT /probes/{probeId}

Updates the specific probe. (**putProbe**)

This operation can be used to update the specific probe.

The probe resource can be associated to a specific NetWorker client resource, so that probe is initiated against that NetWorker client before the backup begins. Further, the client should be assigned to the protection group that is tied with a workflow having a probe action.

Path parameters

probeId (required)

Path Parameter – is the value of the name attribute in the probe resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

probe [Probe](#) (required)

Body Parameter – Probe data for the update.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Probe is updated successfully. [EmptyResponse](#)

Protectiongroups

DELETE /protectiongroups/{protectionGroupId}

Deletes the specific protection group. (**deleteProtectionGroup**)

This operation can delete the specific protection group.

The protection group is a collection of clients, save sets, or NAS device resources.

Path parameters

protectionGroupId (required)

Path Parameter – is the value of the name attribute in the protection group resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**204**

Protection group is deleted successfully. [EmptyResponse](#)

GET /protectiongroups/{protectionGroupId}

Returns the specific protection group. ([getProtectionGroup](#))

This operation can fetch the information about the specific protection group.

The protection group is a collection of clients, save sets, or NAS device resources.

Path parameters**protectionGroupId (required)**

Path Parameter – is the value of the name attribute in the protection group resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[ProtectionGroup](#)

Example data

Content-Type: application/json

```
{
  "comment" : "Default protection group for workflow
Bronze/ApplicationsExample",
  "dynamicAssociation" : true,
  "links" : [ ],
  "name" : "Bronze-ApplicationExample",
  "resourceId" : {
    "id" : "188.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  },
  "workItemExclusions" : [ ],
  "workItemQueries" : [ ],
  "workItemSource" : "Static",
  "workItemSubType" : "None",
  "workItemType" : "Client",
  "workItems" : [ ]
}
```

```
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific protection group is retrieved successfully.

[ProtectionGroup](#)

```
GET /protectiongroups
```

Returns a list of protection groups. ([getProtectionGroups](#))

This operation can be used to retrieve the information about all the protection groups. However, the query parameters can be used to filter the response.

The protection group is a collection of clients, save sets, or NAS device resources.

Query parameters

[Query filters: q and fl](#)

Return type

[ProtectionGroupList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "protectionGroups" : [ {
    "comment" : "Default protection group for workflow
Bronze/Applications",
    "dynamicAssociation" : true,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectiongroups/Bronze-
Application",
      "rel" : "item"
    } ],
    "name" : "Bronze-Application",
    "resourceId" : {
      "id" : "150.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    },
    "workItemExclusions" : [ ],
    "workItemQueries" : [ ],
    "workItemSource" : "Static",
    "workItemSubType" : "None",
    "workItemType" : "Client",
    "workItems" : [ ]
  }, {
    "comment" : "Default protection group for workflow
Bronze/ApplicationsExample",
    "dynamicAssociation" : true,
    "links" : [ {
```

```

    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectiongroups/Bronze-
ApplicationExample",
    "rel" : "item"
  } ],
  "name" : "Bronze-ApplicationExample",
  "resourceId" : {
    "id" : "188.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  },
  "workItemExclusions" : [ ],
  "workItemQueries" : [ ],
  "workItemSource" : "Static",
  "workItemSubType" : "None",
  "workItemType" : "Client",
  "workItems" : [ ]
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the protection groups are retrieved successfully.

[ProtectionGroupList](#)

POST /protectiongroups

Creates a new protection group. (**postProtectionGroups**)

This operation can be used to create a new protection group.

The protection group is a collection of clients, save sets, or NAS device resources. This end point is used to create a new protection group.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

protectiongroups [ProtectionGroup](#) (required)

Body Parameter – Protection group to be created.

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Protection group is created successfully.

PUT /protectiongroups/{protectionGroupId}

Updates the specific protection group. (**putProtectionGroups**)

This operation can update the information about the specific protection group.

The protection group is a collection of clients, save sets, or NAS device resources.

Path parameters

protectionGroupId (required)

Path Parameter – is the value of the name attribute in the protection group resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

protectionGroup [ProtectionGroup](#) (required)

Body Parameter – Protection group data for the update.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Protection group is updated successfully. [EmptyResponse](#)

POST

/protectiongroups/{protectionGroupId}/op/updatevmwareworkitems

Updates the work items for VMware/all protection groups.
(**updateVMwareWorkItems**)

Updates the work items for VMware/all protection groups.

Path parameters

protectionGroupId (required)

Path Parameter – is the value of the name attribute in the protection group resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

VMwareWorkItemOpUpdate [VMwareWorkItemOpUpdate](#) (required)

Body Parameter – Parameters to update the VMware work items.

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Protectionpolicies

DELETE /protectionpolicies/{policyId}

Deletes the specific policy. (**deletePolicy**)

This operation can be used to delete the specific policy. The Protection Policy resource describes one or more workflows. Each workflow contains a sequence of actions that NetWorker uses to protect the data.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Protection policy is deleted successfully. [EmptyResponse](#)

DELETE /protectionpolicies/{policyId}/workflows/{workflowId}

Deletes the specific workflow. (**deletePolicyWorkflow**)

This operation can be used to delete the specific workflow.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

workflowId (required)

Path Parameter – is the value of the name attribute in the workflow resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Workflow is deleted successfully. [EmptyResponse](#)

GET /protectionpolicies

Returns a list of policies. (**getPolicies**)

This operation can be used to retrieve the information on all the policies. However, the query parameters can be used to filter the response.

The Protection Policy resource describes one or more workflows. Each workflow contains a set of actions and list of data sources to run those actions against.

Query parameters

[Query filters: q and fl](#)

Return type

[PolicyList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "protectionPolicies" : [ {
    "comment" : "Template policy: Bronze",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/Bronze",
      "rel" : "item"
    } ],
    "name" : "Bronze",
    "resourceId" : {
      "id" : "151.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 13
    },
    "summaryNotification" : {
      "command" : "nsrlog -f policy_notifications.log",
      "executeOn" : "Completion"
    },
    "workflows" : [ {
      "actions" : [ {
```

```

"actionSpecificData" : {
  "backup" : {
    "backupSpecificData" : {
      "traditional" : {
        "forceBackupLevel" : "",
        "fileInactivityAlertThresholdPercentage" : 0,
        "revertToFullWhenSyntheticFullFails" : true,
        "destinationPool" : "Default",
        "timestampFormat" : "None",
        "verifySyntheticFull" : true,
        "fileInactivityThresholdInDays" : 0,
        "estimate" : false
      }
    },
    "destinationStorageNodes" : [ "nsrserverhost" ],
    "retentionPeriod" : "1 Months",
    "clientOverride" : "ClientCanOverride",
    "overrideBackupSchedule" : false,
    "successThreshold" : "Success",
    "overrideRetentionPeriod" : false
  }
},
"completionNotification" : {
  "command" : "",
  "executeOn" : "Ignore"
},
"concurrent" : false,
"drivenBy" : "",
"enabled" : true,
"failureImpact" : "Continue",
"hardLimit" : "00:00",
"inactivityTimeoutInMin" : 30,
"name" : "Backup",
"parallelism" : 100,
"retries" : 1,
"retryDelayInSec" : 30,
"scheduleActivities" : [ "full", "incr", "incr", "incr",
"incr", "incr", "incr" ],
"schedulePeriod" : "Week",
"softLimit" : "00:00"
} ],
"autoStartEnabled" : false,
"completionNotification" : {
  "command" : "",
  "executeOn" : "Ignore"
},
"description" : "Traditional Backup to pool Default, with
expiration 1 Months;",
"enabled" : true,
"endTime" : "21:00",
"name" : "Filesystem",
"protectionGroups" : [ "Bronze-Filesystem" ],
"restartTimeWindow" : "12:00",
"startInterval" : "24:00",

```

```

    "startTime" : "21:00"
  }, {
    "actions" : [ {
      "actionSpecificData" : {
        "backup" : {
          "backupSpecificData" : {
            "traditional" : {
              "forceBackupLevel" : "",
              "fileInactivityAlertThresholdPercentage" : 0,
              "revertToFullWhenSyntheticFullFails" : true,
              "destinationPool" : "Default",
              "timestampFormat" : "None",
              "verifySyntheticFull" : true,
              "fileInactivityThresholdInDays" : 0,
              "estimate" : false
            }
          }
        },
        "destinationStorageNodes" : [ "nsrserverhost" ],
        "retentionPeriod" : "1 Months",
        "clientOverride" : "ClientCanOverride",
        "overrideBackupSchedule" : false,
        "successThreshold" : "Success",
        "overrideRetentionPeriod" : false
      }
    },
    "completionNotification" : {
      "command" : "",
      "executeOn" : "Ignore"
    },
    "concurrent" : false,
    "drivenBy" : "",
    "enabled" : true,
    "failureImpact" : "Continue",
    "hardLimit" : "00:00",
    "inactivityTimeoutInMin" : 30,
    "name" : "Backup",
    "parallelism" : 100,
    "retries" : 1,
    "retryDelayInSec" : 30,
    "scheduleActivities" : [ "full", "incr", "incr", "incr",
"incr", "incr", "incr" ],
    "schedulePeriod" : "Week",
    "softLimit" : "00:00"
  } ],
  "autoStartEnabled" : false,
  "completionNotification" : {
    "command" : "",
    "executeOn" : "Ignore"
  },
  "description" : "Traditional Backup to pool Default, with
expiration 1 Months;",
  "enabled" : true,
  "endTime" : "21:30",
  "name" : "Applications",

```



```

    "protectionGroups" : [ "Bronze-Application" ],
    "restartTimeWindow" : "12:00",
    "startInterval" : "24:00",
    "startTime" : "21:30"
  } ]
}, {
  "comment" : "Template policy: Bronze for example",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/BronzeExample",
    "rel" : "item"
  } ],
  "name" : "BronzeExample",
  "resourceId" : {
    "id" : "187.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  },
  "summaryNotification" : {
    "command" : "nsrlog -f policy_notifications.log",
    "executeOn" : "Completion"
  }
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the protection policies are retrieved successfully. [PolicyList](#)

GET /protectionpolicies/{policyId}

Returns the specific policy. (**getPolicy**)

This operation can fetch the information about the specific policy.

The Protection Policy resource describes one or more workflows. Each workflow contains a sequence of actions that NetWorker uses to protect the data.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[Policy](#)

Example data

Content-Type: application/json

```

{
  "comment" : "Template policy: Bronze for Example",
  "links" : [ {

```

```

    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/BronzeExample/wor
kflows",
    "title" : "List of policy workflows"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/BronzeExample/job
groups",
    "title" : "List of job groups"
  } ],
  "name" : "BronzeExample",
  "resourceId" : {
    "id" : "187.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  },
  "summaryNotification" : {
    "command" : "nsrlog -f policy_notifications.log",
    "executeOn" : "Completion"
  }
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the policy is retrieved successfully. [Policy](#)

GET /protectionpolicies/{policyId}/jobgroups/{jobGroupId}

Returns a list of jobs for a given job group. (**getPolicyJobGroup**)

This operation can be used to retrieve the information about a list of jobs for a given job group.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

jobGroupId (required)

Path Parameter – is the value of the id attribute in the job group resource.

Return type

[JobList](#)

Example data

Content-Type: application/json

```

{
  "count" : 2,
  "jobs" : [ {
    "adhocJob" : false,
    "clientHostname" : "Winhost",
    "completionStatus" : "Failed",

```

```

    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-23T05:21:27-04:00",
    "exitCode" : 1,
    "id" : 134,
    "itemIdLong" : 134,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/134",
      "rel" : "item"
    } ],
    "name" : "vm:50078e19-7fe5-b720-ca02-
2ad6eace55e8:10.207.86.28",
    "ndmp" : false,
    "parentJobId" : 130,
    "previousJobId" : 0,
    "rootParentJobId" : 129,
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-23T05:20:46-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "save job"
  }, {
    "adhocJob" : false,
    "clientHostname" : "Winhost2",
    "completionStatus" : "Failed",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-23T05:21:27-04:00",
    "exitCode" : 1,
    "id" : 133,
    "itemIdLong" : 133,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/133",
      "rel" : "item"
    } ],
    "name" : "vm:500cc729-94fc-ea3a-cbd4-
4b99e9c55d64:10.207.86.28",
    "ndmp" : false,
    "parentJobId" : 130,
    "previousJobId" : 0,
    "rootParentJobId" : 129,
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-23T05:20:46-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "save job"
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the job group is retrieved successfully. [JobList](#)

```
GET /protectionpolicies/{policyId}/jobgroups
```

Returns a list of job groups for a given policy. ([getPolicyJobGroups](#))

This operation can be used to retrieve the information about a list of job groups for a given policy. However, the query parameters can be used to filter the response.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Query parameters

[Query filters: q and fl](#)

Return type

[JobList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "jobs" : [ {
    "adhocJob" : false,
    "command" : "\"C:\\\\Program Files\\\\EMC
NetWorker\\\\nsr\\\\bin\\\\nsrworkflow.exe\" -s host_name_1 -p
vmware -w vm_wf -L",
    "completionStatus" : "Failed",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-23T21:00:01-04:00",
    "exitCode" : 1,
    "id" : 324,
    "itemIdLong" : 324,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/vmware/jobgroups/
324",
      "rel" : "item"
    } ],
    "logFile" : "C:\\Program Files\\EMC
NetWorker\\nsr\\logs\\policy\\vmware\\workflow_vm_wf_000324.raw"
  },
  "message" : "133550 1540342801 1 0 0 16976 18020 0
host_name_1 nsrworkflow NSR notice 31 Starting %s '%s' workflow
'%s'. 3 11 24 127405:Protection Policy 0 6 vmware 0 5
vm_wf\\n123316 1540342801 1 0 0 16976 18020 0 host_name_1
nsrworkflow NSR notice 46 Starting action '%s/%s/%s' with
command: '%s'. 4 0 6 vmware 0 5 vm_wf 0 6 backup 0 75
nsrvproxy_save -s host_name_1 -j 324 -L incr -p vmware -w vm_wf
-A backup\\n123321 1540342801 1 0 0 16976 18020 0 host_name_1
nsrworkflow NSR notice 39 Action '%s/%s/%s's log will be in
'%s'. 4 0 6 vmware 0 5 vm_wf 0 6 backup 23 77 C:\\Program
```

```

Files\\EMC
NetWorker\\nsr\\logs\\policy\\vmware\\vm_wf\\backup_000327.raw\n
123325 1540342801 1 0 0 16976 18020 0 host_name_1 nsrworkflow
NSR notice 21 Action '%s/%s/%s' %s. 4 0 6 vmware 0 5 vm_wf 0 6
backup 0 6 failed\n133555 1540342801 1 0 0 16976 18020 0
host_name_1 nsrworkflow NSR notice 24 Workflow '%s/%s' failed. 2
0 6 vmware 0 5 vm_wf\n",
    "name" : "vmware",
    "ndmp" : false,
    "parentJobId" : 0,
    "previousJobId" : 0,
    "progress" : "1/0/1",
    "rootParentJobId" : 0,
    "runOnHost" : "host_name_1",
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-23T21:00:01-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "workflow job",
    "workflowName" : "vm_wf"
}, {
    "adhocJob" : false,
    "command" : "\"C:\\\\Program Files\\\\EMC
NetWorker\\\\nsr\\\\bin\\\\nsrworkflow.exe\" -s host_name_1 -p
vmware -w vm_wf -L",
    "completionStatus" : "Failed",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-23T05:21:27-04:00",
    "exitCode" : 1,
    "id" : 129,
    "itemIdLong" : 129,
    "links" : [ {
        "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/vmware/jobgroups/
129",
        "rel" : "item"
    } ],
    "logFile" : "C:\\Program Files\\EMC
NetWorker\\nsr\\logs\\policy\\vmware\\workflow_vm_wf_000129.raw"
,
    "message" : "133550 1540286431 1 0 0 15568 17320 0
host_name_1 nsrworkflow NSR notice 31 Starting %s '%s' workflow
'%s'. 3 11 24 127405:Protection Policy 0 6 vmware 0 5
vm_wf\n123316 1540286431 1 0 0 15568 17320 0 host_name_1
nsrworkflow NSR notice 46 Starting action '%s/%s/%s' with
command: '%s'. 4 0 6 vmware 0 5 vm_wf 0 6 backup 0 75
nsrvproxy_save -s host_name_1 -j 129 -L incr -p vmware -w vm_wf
-A backup\n123321 1540286431 1 0 0 15568 17320 0 host_name_1
nsrworkflow NSR notice 39 Action '%s/%s/%s's log will be in
'%s'. 4 0 6 vmware 0 5 vm_wf 0 6 backup 23 77 C:\\Program
Files\\EMC
NetWorker\\nsr\\logs\\policy\\vmware\\vm_wf\\backup_000130.raw\n
123325 1540286487 1 0 0 15568 17320 0 host_name_1 nsrworkflow
NSR notice 21 Action '%s/%s/%s' %s. 4 0 6 vmware 0 5 vm_wf 0 6
backup 0 6 failed\n133555 1540286487 1 0 0 15568 17320 0

```

```

host_name_1 nsrworkflow NSR notice 24 Workflow '%s/%s' failed. 2
0 6 vmware 0 5 vm_wf\n",
  "name" : "vmware",
  "ndmp" : false,
  "parentJobId" : 0,
  "previousJobId" : 0,
  "progress" : "1/0/1",
  "rootParentJobId" : 0,
  "runOnHost" : "host_name_1",
  "siblingJobIds" : [ ],
  "startTime" : "2018-10-23T05:20:31-04:00",
  "state" : "Completed",
  "stopped" : true,
  "tenant" : "",
  "type" : "workflow job",
  "workflowName" : "vm_wf"
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the job groups are retrieved successfully. [JobList](#)

GET /protectionpolicies/{policyId}/workflows/{workflowId}

Returns the specific workflow. (**getPolicyWorkflow**)

This operation can be used to retrieve the information about the specific workflow associated with a policy.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

workflowId (required)

Path Parameter – is the value of the name attribute in the workflow resource.

Return type

[PolicyWorkflow](#)

Example data

Content-Type: application/json

```

{
  "autoStartEnabled" : true,
  "comment" : "Template policy: Bronze for Example",
  "completionNotification" : {
    "command" : "",
    "executeOn" : "Ignore"
  },
  "description" : "Empty workflow;",

```

```

"enabled" : true,
"endTime" : "21:00",
"links" : [ {
  "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/Bronze/workflows/
BronzeExample/op/backup",
  "title" : "Run policy workflow"
}, {
  "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/Bronze/workflows/
BronzeExample/jobgroups",
  "title" : "List of job groups"
} ],
"name" : "BronzeExample",
"nextStartDate" : "2018-10-24T21:00:00-04:00",
"restartTimeWindow" : "12:00",
"startInterval" : "24:00",
"startTime" : "21:00"
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the workflow is retrieved successfully. [PolicyWorkflow](#)

GET

/protectionpolicies/{policyId}/workflows/{workflowId}/jobgroups/{jobGroupId}

Returns a list of jobs for a given job group. (**getPolicyWorkflowJobGroup**)

This operation can be used to retrieve a list of jobs for a given job group.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

workflowId (required)

Path Parameter – is the value of the name attribute in the workflow resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

jobGroupId (required)

Path Parameter – is the value of the id attribute in the job group resource.

Return type

[JobList](#)

Example data

Content-Type: application/json

```

{
  "count" : 2,
  "jobs" : [ {

```

```

    "adhocJob" : false,
    "clientHostname" : "Winhost",
    "completionStatus" : "Failed",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-23T05:21:27-04:00",
    "exitCode" : 1,
    "id" : 134,
    "itemIdLong" : 134,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/134",
      "rel" : "item"
    } ],
    "name" : "vm:50078e19-7fe5-b720-ca02-
2ad6eace55e8:10.207.86.28",
    "ndmp" : false,
    "parentJobId" : 130,
    "previousJobId" : 0,
    "rootParentJobId" : 129,
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-23T05:20:46-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "save job"
  }, {
    "adhocJob" : false,
    "clientHostname" : "Winhost2",
    "completionStatus" : "Failed",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-23T05:21:27-04:00",
    "exitCode" : 1,
    "id" : 133,
    "itemIdLong" : 133,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/133",
      "rel" : "item"
    } ],
    "name" : "vm:500cc729-94fc-ea3a-cbd4-
4b99e9c55d64:10.207.86.28",
    "ndmp" : false,
    "parentJobId" : 130,
    "previousJobId" : 0,
    "rootParentJobId" : 129,
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-23T05:20:46-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "save job"
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the job group is retrieved successfully. [JobList](#)

GET

`/protectionpolicies/{policyId}/workflows/{workflowId}/jobgroups`

Returns a list of job groups for a given workflow. (**getPolicyWorkflowJobGroups**)

This operation can be used to retrieve a list of job groups for a given workflow. However, the query parameters can be used to filter the response.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

workflowId (required)

Path Parameter – is the value of the name attribute in the workflow resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Query parameters

[Query filters: q and fl](#)

Return type

[JobList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "jobs" : [ {
    "adhocJob" : false,
    "command" : "\"C:\\\\Program Files\\\\EMC
NetWorker\\\\nsr\\\\bin\\\\nsrworkflow.exe\" -s host_name_1 -p
vmware -w vm_wf -L",
    "completionStatus" : "Failed",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-23T21:00:01-04:00",
    "exitCode" : 1,
    "id" : 324,
    "itemIdLong" : 324,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/vmware/jobgroups/
324",
      "rel" : "item"
    } ],
    "logFile" : "C:\\Program Files\\EMC
NetWorker\\nsr\\logs\\policy\\vmware\\workflow_vm_wf_000324.raw"
  },
  "message" : "133550 1540342801 1 0 0 16976 18020 0
host_name_1 nsrworkflow NSR notice 31 Starting %s '%s' workflow"
```

```

's'. 3 11 24 127405:Protection Policy 0 6 vmware 0 5
vm_wf\n123316 1540342801 1 0 0 16976 18020 0 host_name_1
nsrworkflow NSR notice 46 Starting action '%s/%s/%s' with
command: '%s'. 4 0 6 vmware 0 5 vm_wf 0 6 backup 0 75
nsrvproxy_save -s host_name_1 -j 324 -L incr -p vmware -w vm_wf
-A backup\n123321 1540342801 1 0 0 16976 18020 0 host_name_1
nsrworkflow NSR notice 39 Action '%s/%s/%s's log will be in
's'. 4 0 6 vmware 0 5 vm_wf 0 6 backup 23 77 C:\\Program
Files\\EMC
NetWorker\\nsr\\logs\\policy\\vmware\\vm_wf\\backup_000327.raw\n
123325 1540342801 1 0 0 16976 18020 0 host_name_1 nsrworkflow
NSR notice 21 Action '%s/%s/%s' %s. 4 0 6 vmware 0 5 vm_wf 0 6
backup 0 6 failed\n133555 1540342801 1 0 0 16976 18020 0
host_name_1 nsrworkflow NSR notice 24 Workflow '%s/%s' failed. 2
0 6 vmware 0 5 vm_wf\n",
    "name" : "vmware",
    "ndmp" : false,
    "parentJobId" : 0,
    "previousJobId" : 0,
    "progress" : "1/0/1",
    "rootParentJobId" : 0,
    "runOnHost" : "host_name_1",
    "siblingJobIds" : [ ],
    "startTime" : "2018-10-23T21:00:01-04:00",
    "state" : "Completed",
    "stopped" : true,
    "tenant" : "",
    "type" : "workflow job",
    "workflowName" : "vm_wf"
  }, {
    "adhocJob" : false,
    "command" : "\"C:\\\\Program Files\\\\EMC
NetWorker\\\\nsr\\\\bin\\\\nsrworkflow.exe\" -s host_name_1 -p
vmware -w vm_wf -L",
    "completionStatus" : "Failed",
    "dependentJobIds" : [ 0 ],
    "endTime" : "2018-10-23T05:21:27-04:00",
    "exitCode" : 1,
    "id" : 129,
    "itemIdLong" : 129,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/vmware/jobgroups/
129",
      "rel" : "item"
    } ],
    "logFile" : "C:\\Program Files\\EMC
NetWorker\\nsr\\logs\\policy\\vmware\\workflow_vm_wf_000129.raw"
  },
  "message" : "133550 1540286431 1 0 0 15568 17320 0
host_name_1 nsrworkflow NSR notice 31 Starting %s '%s' workflow
's'. 3 11 24 127405:Protection Policy 0 6 vmware 0 5
vm_wf\n123316 1540286431 1 0 0 15568 17320 0 host_name_1
nsrworkflow NSR notice 46 Starting action '%s/%s/%s' with
command: '%s'. 4 0 6 vmware 0 5 vm_wf 0 6 backup 0 75
nsrvproxy_save -s host_name_1 -j 129 -L incr -p vmware -w vm_wf
-A backup\n123321 1540286431 1 0 0 15568 17320 0 host_name_1

```

```

nsrworkflow NSR notice 39 Action '%s/%s/%s's log will be in
'ss'. 4 0 6 vmware 0 5 vm_wf 0 6 backup 23 77 C:\\Program
Files\\EMC
NetWorker\\nsr\\logs\\policy\\vmware\\vm_wf\\backup_000130.raw\\n
123325 1540286487 1 0 0 15568 17320 0 host_name_1 nsrworkflow
NSR notice 21 Action '%s/%s/%s' %s. 4 0 6 vmware 0 5 vm_wf 0 6
backup 0 6 failed\\n133555 1540286487 1 0 0 15568 17320 0
host_name_1 nsrworkflow NSR notice 24 Workflow '%s/%s' failed. 2
0 6 vmware 0 5 vm_wf\\n",
  "name" : "vmware",
  "ndmp" : false,
  "parentJobId" : 0,
  "previousJobId" : 0,
  "progress" : "1/0/1",
  "rootParentJobId" : 0,
  "runOnHost" : "host_name_1",
  "siblingJobIds" : [ ],
  "startTime" : "2018-10-23T05:20:31-04:00",
  "state" : "Completed",
  "stopped" : true,
  "tenant" : "",
  "type" : "workflow job",
  "workflowName" : "vm_wf"
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the job groups are retrieved successfully. [JobList](#)

```
GET /protectionpolicies/{policyId}/workflows
```

Returns a list of workflows for a policy. (**getPolicyWorkflows**)

This operation can be used to retrieve the information about all the workflows associated with the policy. However, the query parameters can be used to filter the response.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Query parameters

[Query filters: q and fl](#)

Return type

[PolicyWorkflowList](#)

Example data

Content-Type: application/json

```

{
  "count" : 2,

```

```

"workflows" : [ {
  "autoStartEnabled" : true,
  "comment" : "Template policy: Bronze for Example",
  "completionNotification" : {
    "command" : "",
    "executeOn" : "Ignore"
  },
  "description" : "Empty workflow;",
  "enabled" : true,
  "endTime" : "21:00",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/Bronze/workflows/
BronzeExample",
    "rel" : "item"
  } ],
  "name" : "BronzeExample",
  "nextStartDate" : "2018-10-24T21:00:00-04:00",
  "restartTimeWindow" : "12:00",
  "startInterval" : "24:00",
  "startTime" : "21:00"
}, {
  "autoStartEnabled" : false,
  "completionNotification" : {
    "command" : "",
    "executeOn" : "Ignore"
  },
  "description" : "Empty workflow;",
  "enabled" : true,
  "endTime" : "21:00",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/protectionpolicies/Bronze/workflows/
FilesystemExample",
    "rel" : "item"
  } ],
  "name" : "FilesystemExample",
  "protectionGroups" : [ "Bronze-ApplicationExample" ],
  "restartTimeWindow" : "12:00",
  "startInterval" : "24:00",
  "startTime" : "21:00"
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the workflow are retrieved successfully. [PolicyWorkflowList](#)

POST /protectionpolicies

Creates a new policy. (**postPolicy**)

This operation can be used create a new policy. The Protection Policy resource describes one or more workflows. Each workflow contains a sequence of actions that NetWorker uses to protect the data.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

policy [Policy](#) (required)

Body Parameter – Policy to be created.

Example data

Content-Type: application/json

```
{
  "comment": "Template policy: Bronze for Example",
  "name": "BronzeExample"
}
```

Return type

Object

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Policy is created successfully. [Object](#)

POST /protectionpolicies/{policyId}/workflows

Creates a new workflow. (**postPolicyWorkflow**)

This operation can be used to create a workflow.

Each policy has one or more workflows. A workflow enables you to chain together multiple actions and a list of data sources to run those actions.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

workflow [PolicyWorkflow](#) (required)

Body Parameter – Workflow to be created.

Example data

Content-Type: application/json

```
{
  "autoStartEnabled": false,
  "description": "Traditional Backup to pool Default, with
expiration 1 Months;",
  "name": "FilesystemExample",
  "protectionGroups": [
    "Bronze-ApplicationExample"
  ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Workflow is created successfully.

POST
/protectionpolicies/{policyId}/workflows/{workflowId}/op/backup

Starts the specified workflow. (**postPolicyWorkflowOpBackup**)

This operation can be used to start a workflow. You can customize the client list and also specify the action overrides.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

workflowId (required)

Path Parameter – is the value of the name attribute in the workflow resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

policyWorkflowOpBackup [PolicyWorkflowOpBackup](#) (required)

Body Parameter – Parameters to start the workflow.

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A job is created. The job URI can be found in the location header of the response.

PUT /protectionpolicies/{policyId}

Updates the specific policy. (**putPolicy**)

This operation can be used to update the specific policy. The Protection Policy resource describes one or more workflows. Each workflow contains a sequence of actions that NetWorker uses to protect the data.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

policy [Policy](#) (required)

Body Parameter – Policy data for update.

Example data

Content-Type: application/json

```
{"comment": "Template policy: Bronze for example is updated"}
```

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Protection policy is updated successfully. [EmptyResponse](#)

PUT /protectionpolicies/{policyId}/workflows/{workflowId}

Updates the specific workflow. (**putPolicyWorkflow**)

This operation can be used to update the specific workflow.

Path parameters

policyId (required)

Path Parameter – is the value of the name attribute in the protection policy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

workflowId (required)

Path Parameter – is the value of the name attribute in the workflow resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

workflow [PolicyWorkflow](#) (required)

Body Parameter – Workflow data for update.

Example data

Content-Type: application/json

```
{
  "autoStartEnabled": false,
  "description": "Traditional Backup to pool Default, with
expiration 1 Months; for example updated",
  "protectionGroups": [
    "Bronze-ApplicationUpdate"
  ]
}
```

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Workflow is updated successfully. [EmptyResponse](#)

Recoverapps

DELETE /recoverapps/saphana/{hanaRecoveryId}

Deletes the specific sap hana recover resource. (**deleteHANARecover**)

This operation can be used to delete a specific recover resource.

Path parameters

hanaRecoveryId (required)

Path Parameter – is the value of the id attribute of the SAP HANA recovery resource's resourcelid.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json


```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Recover resource is deleted successfully. [EmptyResponse](#)

```
GET /recoverapps/saphana
```

Returns a list of recovery resources for the SAP HANA application. ([getHANARecovers](#))

This operation is used to retrieve all the SAP HANA application recovery resources. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[HANARecoveryList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "recovers" : [ {
    "backupId" : "1566949165237",
    "database" : "PRI",
    "user" : "SYSTEM",
    "destinationClientResID" : "HANA45",
    "instance" : "00",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/160154",
      "rel" : "item"
    } ],
    "name" : "SAP_HANA_RECOVER_8544_972286327278861",
    "hdbsqlUser" : "ccbadm",
    "recoveryStartTime" : "2019-09-09T18:17:05+05:30",
    "resourceId" : {
      "id" : "47.0.20.99.0.0.0.0.211.247.111.93.10.125.32.222",
      "sequence" : 1
    },
    "sid" : "PRI",
    "sourceClient" : "HANA45"
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

SAP HANA recovery resources are retrieved successfully. [HANARecoveryList](#)

```
GET /recoverapps/saphana/{hanaRecoveryId}
```

Returns a specific SAP HANA recovery resource. (**getHANARecoveryId**)

This operation can be used to retrieve the SAP HANA application recovery resource.

Path parameters

hanaRecoveryId (required)

Path Parameter – is the value of the id attribute of the SAP HANA recovery resource's resourcelid.

Return type

[HANARecoveryGet](#)

Example data

Content-Type: application/json

```
{
  "backupId" : "1566949165237",
  "database" : "PRI",
  "user" : "SYSTEM",
  "destinationClientResID" : "HANA45",
  "instance" : "00",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/160154",
    "rel" : "item"
  } ],
  "name" : "SAP_HANA_RECOVER_8544_972286327278861",
  "hdbsqlUser" : "ccbadm",
  "recoveryStartTime" : "2019-09-09T18:17:05+05:30",
  "resourceId" : {
    "id" : "47.0.20.99.0.0.0.0.211.247.111.93.10.125.32.222",
    "sequence" : 1
  },
  "sid" : "PRI",
  "sourceClient" : "HANA45"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

SAP HANA recovery resource is retrieved successfully. [HANARecoveryGet](#)

```
GET /recoverapps
```

Returns a list of application recovery endpoints. (**getRecoverApps**)

This operation can be used to navigate to all the application recovery endpoints.

Return type

[LinkList](#)

Example data

Content-Type: application/json

```
{
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/recoverapps/saphana",
    "title" : "SAP HANA recovery"
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Supported application recovery endpoints are listed. [LinkList](#)

POST /recoverapps/saphana

Creates a new recovery resource for SAP HANA application recovery. (**postHANAREcover**)

This operation is used to initiate the recovery of SAP HANA database to a specific point in time or to a data backup. You can browse the SAP HANA backup catalog for a given database to view the list of available full backups.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Example data

Content-Type: application/json

```
{
  "sourceClientResId": "47.0.134.121.0.0.0.0.221.193.149.93.10.125.32.
230",
  "hdbsqlUser": "kgfadm",
  "database": "DB1",
  "user": "SYSTEM",
  "password": "P@$w0rd",
  "timestamp": "2019-10-03T17:45:49+05:30",
  "debug": 9
}
```

Request body

recover [HANAREcoveryPost](#) (required)

Body Parameter – Parameters for the SAP HANA recovery resource to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

The recovery resource is created successfully. [EmptyResponse](#)

POST /clients/{clientId}/agents/remoteagents/SAPHANA/op/browse

Returns data backups from the SAP HANA system for the given database.
(postSAPHANABrowse)

This operation can be used to retrieve the information about SAP HANA data backups.

Path parameters

clientId (required)

Path Parameter – is the value of the id attribute of the client resource's resourceID. The resourceID of the client resource uniquely identifies a client resource instance.

Request body

browseHanaBackups [HANAOpBrowse](#) (required)

Body Parameter – Browse SAP HANA data backups for the given database.

Return type

[HANABrowseList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "items" : [ {
    "backupId" : "1567489204827",
    "endTime" : "2019-09-02T22:40:41-07:00",
    "startTime" : "2019-09-02T22:40:04-07:00"
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Returns the information about data backups for the specified database. [HANABrowseList](#)

Recovers

DELETE /recovers/{recoverId}

Deletes the specific recover resource. (**deleteRecover**)

This operation can be used to delete a specific recover resource.

Path parameters

recoverId (required)

Path Parameter – is the value of the id attribute of the recover resource's resourceId.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Recover resource is deleted successfully. [EmptyResponse](#)

GET /recovers/{recoverId}

Returns the specific recover resource. (**getRecover**)

This operation can be used to retrieve the information about the specific recovery resource.

Path parameters

recoverId (required)

Path Parameter – is the value of the id attribute of the recover resource's resourceId.

Return type

[Recover](#)

Example data

Content-Type: application/json

```
{
  "destinationClientResID" : "c9797b4d-00000004-59e73721-59e8490b-000c5000-a6138c56",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/jobs/800142",
    "rel" : "item"
  } ],
  "name" : "NDMP_8817_189862517965772",
  "recoveryDestination" : "/ifs/data",
  "recoveryStartTime" : "2017-11-23T01:50:51-08:00",
  "recoveryType" : "NDMP",
```

```

"sourceClient" : "ISILON",
"backupInstance" : {
  "backupID" : "855e9b15-00000006-f9b7fe7b-59b7fe7b-00085000-
bde5b856",
  "instanceID" : "1506346646"
},
"resourceId" : {
  "id" : "49.0.96.18.0.0.0.0.47.81.22.90.10.207.86.34",
  "sequence" : 1
}
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the recovery resource is retrieved successfully. [Recover](#)

GET /recovers

Returns a list of all recover resources. This doesn't include recover resources associated with the application recovery. ([getRecovers](#))

This operation can be used to retrieve a list of all recover resources. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[RecoverList](#)

Example data

Content-Type: application/json

```

{
  "count" : 1,
  "recovers" : [ {
    "destinationClientResID" : "c9797b4d-00000004-59e73721-
59e8490b-000c5000-a6138c56",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/recovers/49.0.96.18.0.0.0.0.47.81.22.90
.10.207.86.34",
      "rel" : "item"
    } ],
    "name" : "NDMP_8817_189862517965772",
    "recoveryDestination" : "/ifs/data",
    "recoveryStartTime" : "2017-11-23T01:50:51-08:00",
    "recoveryType" : "NDMP",
    "sourceClient" : "ISILON",
    "backupInstance" : {
      "backupID" : "855e9b15-00000006-f9b7fe7b-59b7fe7b-00085000-
bde5b856",
      "instanceID" : "1506346646"
    }
  } ]
}

```

```
    },
    "resourceId" : {
      "id" : "49.0.96.18.0.0.0.0.47.81.22.90.10.207.86.34",
      "sequence" : 1
    }
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Recovery resources are retrieved successfully. [RecoverList](#)

POST /recovers

Creates a new recover resource. (**postRecover**)

This operation can be used to create a new recover resource to initiate a recovery operation.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

recover [Recover](#) (required)

Body Parameter – Recover resource to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Recover resource is created successfully. [EmptyResponse](#)

Rules

DELETE /rules/{ruleName}

Deletes the specific rule. (**deleteRule**)

This operation can be used to delete the specific rule.

A rule serves as the means to define conditions to process an action in a protection group.

Path parameters

ruleName (required)

Path Parameter – is the value of the name attribute in the rule resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Rule is deleted successfully. [EmptyResponse](#)

GET /rules/{ruleName}

Returns the information about the specific rule. (**getRule**)

This operation can be used to get the information about the specific rule.

A rule serves as the means to define conditions to process an action in a protection group.

Path parameters

ruleName (required)

Path Parameter – is the value of the name attribute in the rule resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[Rule](#)

Example data

Content-Type: application/json

```
{
  "comment" : "From REST API",
  "dataSourceType" : "VMware",
  "definitions" : [ {
    "operator" : "Equals",
    "property" : "Name",
    "type" : "VirtualMachine",
    "value" : "vm"
  } ],
  "name" : "new2",
```



```

"resourceId" : {
  "id" : "43.0.136.16.0.0.0.0.127.78.121.90.10.31.227.175",
  "sequence" : 1
},
"ruleMatchType" : "Any"
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the rule is retrieved successfully. [Rule](#)

GET /rules

Returns a list of rules. (**getRules**)

This operation can be used to retrieve a list of rules. However, the query parameters can be used to filter the response.

A rule serves as the means to define conditions to process an action in a protection group.

Query parameters

[Query filters: q and fl](#)

Return type

[RuleList](#)

Example data

Content-Type: application/json

```

{
  "count" : 2,
  "rules" : [ {
    "comment" : "From REST API",
    "dataSourceType" : "VMware",
    "definitions" : [ {
      "operator" : "Equals",
      "property" : "Name",
      "type" : "VirtualMachine",
      "value" : "vm"
    } ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/rules/new2",
      "rel" : "item"
    } ],
    "name" : "new2",
    "resourceId" : {
      "id" : "43.0.136.16.0.0.0.0.127.78.121.90.example.com",
      "sequence" : 1
    },
    "ruleMatchType" : "Any"
  }, {
    "comment" : "",

```

```

    "dataSourceType" : "VMware",
    "definitions" : [ {
      "operator" : "Equals",
      "property" : "Name",
      "type" : "VirtualMachine",
      "value" : "vm"
    } ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/rules/new1",
      "rel" : "item"
    } ],
    "name" : "new1",
    "resourceId" : {
      "id" : "43.0.64.14.0.0.0.0.244.74.121.90.example.com",
      "sequence" : 1
    },
    "ruleMatchType" : "All"
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the rule is retrieved successfully. [RuleList](#)

POST /rules

Creates a new rule. (**postRules**)

This operation can be used to creates a new rule.

A rule serves as the means to define conditions to process an action in a protection group.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

rule [Rule](#) (required)

Body Parameter – Rule to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Rule is created successfully. [EmptyResponse](#)

PUT /rules/{ruleName}

Updates the specific rule. (**putRule**)

This operation can be used to modify a specific rule.

Path parameters

ruleName (required)

Path Parameter – is the value of the name attribute in the rule resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

rule [Rule](#) (required)

Body Parameter – Rule data for the update.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Rule is updated successfully. [EmptyResponse](#)

Schedules

DELETE /schedules/{scheduleName}

Deletes the specific schedule resource. (**deleteSchedule**)

This operation can be used to delete a specific schedule from NetWorker.

Path parameters

scheduleName (required)

Path Parameter – is the value of the name attribute in the schedule object.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Schedule is deleted successfully from NetWorker. [EmptyResponse](#)

```
GET /schedules/{scheduleName}/associatedpolicies
```

Returns the associated policies. ([getAssociatedPolicies](#))

This operation can fetch the policy, workflow and action associated with a schedule.

Path parameters

scheduleName (required)

Path Parameter – is the value of the name attribute in the schedule object.

Return type

[AssociatedPolicyList](#)

Example data

Content-Type: application/json

```
{
  "associations" : [ {
    "action" : "Test",
    "policy" : "KIRAN",
    "workflow" : "TEST"
  }, {
    "action" : "Test",
    "policy" : "KIRAN1",
    "workflow" : "TEST"
  }, {
    "action" : "Test",
    "policy" : "KIRAN2",
    "workflow" : "TEST"
  } ],
  "count" : 3
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Resource was retrieved successfully. [AssociatedPolicyList](#)

GET /schedules/{scheduleName}

Returns the specific schedule. (**getSchedule**)

This operation can fetch the information about the specific schedule.

Path parameters

scheduleName (required)

Path Parameter – is the value of the name attribute in the schedule object.

Return type

[Schedule](#)

Example data

Content-Type: application/json

```
{
  "levels" : [ "full", "incr", "incr", "incr", "incr", "incr",
"incr", "full", "incr", "incr", "incr", "incr", "incr", "incr",
"full", "incr", "incr", "incr", "incr", "incr", "incr", "incr", "full",
"incr", "incr", "incr", "incr", "incr", "incr", "incr", "full", "incr",
"incr" ],
  "links" : [ ],
  "name" : "test",
  "overrides" : [ {
    "date" : "1/2/2019",
    "level" : "incr"
  }, {
    "date" : "1/2/2019",
    "level" : "full"
  } ],
  "period" : "Month",
  "resourceId" : {
    "id" : "45.0.32.52.0.0.0.0.203.77.72.92.10.118.252.115",
    "sequence" : 6
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Resource was retrieved successfully. [Schedule](#)

GET /schedules

Returns a list of Schedules. (**getSchedules**)

This operation can be used to obtain the information on all the schedules. It describes a sequence of levels controlling the amount of data saved by NetWorker clients.

Query parameters

[Query filters: q and fl](#)

Return type

[ScheduleList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "schedules" : [ {
    "levels" : [ "full", "incr", "incr", "incr", "incr", "incr",
"full" ],
    "links" : [ {
      "href" :
"https://10.118.252.115:9090/nwrestapi/v3/global/schedules/Default"
,
      "rel" : "item"
    } ],
    "flag" : "default_editable",
    "name" : "Default",
    "overrides" : [ ],
    "period" : "Month",
    "resourceId" : {
      "id" : "52.0.176.29.0.0.0.0.178.31.10.92.10.118.252.115",
      "sequence" : 3
    }
  }, {
    "levels" : [ "full", "incr", "incr", "incr", "incr", "incr",
"incr", "full", "incr", "incr", "incr", "incr", "incr", "incr",
"full", "incr", "incr", "incr", "incr", "incr", "incr", "full",
"incr", "incr" ],
    "links" : [ {
      "href" :
"https://10.118.252.115:9090/nwrestapi/v3/global/schedules/test",
      "rel" : "item"
    } ],
    "name" : "test",
    "overrides" : [ {
      "date" : "1/2/2019",
      "level" : "incr"
    }, {
      "date" : "1/2/2019",
      "level" : "full"
    } ],
    "period" : "Month",
    "resourceId" : {
      "id" : "45.0.32.52.0.0.0.0.203.77.72.92.10.118.252.115",
      "sequence" : 6
    }
  }
]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Schedule resources are retrieved successfully. [ScheduleList](#)

POST /schedules

Creates a new schedule resource. (**postSchedule**)

This operation can be used to create a new schedule.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

schedule [Schedule](#) (required)

Body Parameter – Schedule resource to be created.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Resource was created successfully. [EmptyResponse](#)

PUT /schedules/{scheduleName}

Updates the specific schedule. (**putSchedule**)

This operation can be used to modify the attributes of a specific schedule.

Path parameters

scheduleName (required)

Path Parameter – is the value of the name attribute in the schedule object.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

schedule [Schedule](#) (required)

Body Parameter – schedule for update.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Resource was updated successfully. [EmptyResponse](#)

Server

DELETE /usergroups/{userGroupId}

Deletes the specific user group. (**deleteUserGroup**)

This operation can be used to delete the specific user group.

Path parameters

userGroupId (required)

Path Parameter – is the value of the name attribute in the user group resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

User group is deleted successfully. [EmptyResponse](#)

GET /auditlogconfig

Returns the security audit log settings. (**getAuditLogConfig**)

This operation can be used to retrieve the security audit log settings.

NetWorker server enables security audit logging by default and each NetWorker client is automatically configured.

Return type

[AuditLogConfiguration](#)

Example data

Content-Type: application/json

```
{
  "administrators" : [ "user=root,host=rhel67_base",
    "user=administrator,host=rhel67_base",
    "user=system,host=rhel67_base", "user=nsrnmcc,host=rhel67_base" ],
  "auditLogFilePath" : "/nsr/logs",
  "auditLogHostname" : "rhel67_base",
  "auditLogMaxFileSizeInMB" : 2,
  "auditLogMaxFileVersion" : 0,
  "auditLogRenderedService" : "None",
  "auditLogSeverity" : "Error",
  "name" : "rhel67_base_sec_audit.raw",
  "resourceId" : {
    "id" : "5.0.171.113.0.0.0.0.99.124.205.91.10.118.244.205",
    "sequence" : 1
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the audit log config are retrieved successfully. [AuditLogConfiguration](#)

GET /serverconfig

Returns server configuration settings. ([getServerConfig](#))

This operation can be used to retrieve the information about the NetWorker server configuration setting.

The NetWorker server configuration setting represents configurable parameters for the NetWorker server.

Return type

[ServerConfiguration](#)

Example data

Content-Type: application/json

```
{
  "acceptNewRecoverSessions" : true,
  "acceptNewSessions" : true,
  "aclPassthrough" : true,
  "administrators" : [ "group=Administrators,host=host_name_1",
    "user=administrator,host=host_name_1",
    "user=system,host=host_name_1" ],
  "authenticationProxyPort" : 7999,
  "authenticationServiceDatabase" : "C:\\Program Files\\EMC
NetWorker\\nsr\\authc-server\\tomcat\\data",
  "authenticationServicePort" : 9090,
  "clpRefresh" : "No",
  "clpUom" : "1",
  "deviceSharingMode" : "MaximalSharing",
```

```

"disableRpsClone" : true,
"jobInactivityTimeout" : 0,
"jobsdbRetentionInHours" : 72,
"keepIncompleteBackups" : false,
"manualSaves" : true,
"name" : "host_name_1",
"nasDevicePolicyAllowed" : true,
"parallelism" : 32,
"publicArchives" : false,
"resourceId" : {
  "id" : "2.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
  "sequence" : 8
},
"saveSessionDistribution" : "MaxSessions",
"serverOSType" : "Windows NT Server on Intel",
"vmwarePolicyAllowed" : true,
"vmwsEnable" : false,
"vmwsPort" : 8080,
"vmwsUserName" : "VMUser",
"vmwsUserPassword" : "*****",
"volumePriority" : "NearLinePriority",
"wormPoolsOnlyHoldWormTapes" : true,
"wormTapesOnlyInWormPools" : true
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Server configuration settings are retrieved successfully. [ServerConfiguration](#)

GET /servermessages

Returns a list of server messages. ([getServerMessages](#))

This operation can be used to retrieve the information about all the server messages. However, the query parameters can be used to filter the response.

A server message represents concise recent general I18N messages about the status of the server.

Query parameters

[Query filters: q and fl](#)

Return type

[ServerMessageList](#)

Example data

Content-Type: application/json

```

{
  "count" : 3,
  "serverMessages" : [ {
    "category" : "policy",
    "id" : "0000000239",

```

```

    "message" : "Group TEST_PG waiting for 1 jobs (0 awaiting
restart) to complete.\n",
    "priority" : "info",
    "source" : "event",
    "timestamp" : "2018-10-23T01:20:08-04:00"
  }, {
    "category" : "policy",
    "id" : "0000000238",
    "message" : "Starting action 'backup' for workflow
'TEST/TEST_WF'",
    "priority" : "notice",
    "source" : "event",
    "timestamp" : "2018-10-23T01:20:02-04:00"
  }, {
    "category" : "policy",
    "id" : "0000000237",
    "message" : "Starting workflow 'TEST/TEST_WF'",
    "priority" : "notice",
    "source" : "event",
    "timestamp" : "2018-10-23T01:20:02-04:00"
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Server messages are retrieved successfully. [ServerMessageList](#)

GET /serverstatistics

Returns server statistics. ([getServerStatistics](#))

This operation can be used to retrieve the NetWorker server statistics.

The NetWorker server statistics represent read-only statistics of the NetWorker server.

Return type

[ServerStatistics](#)

Example data

Content-Type: application/json

```

{
  "badRecovers" : 0,
  "badSaves" : 0,
  "currentRecovers" : 0,
  "currentSaves" : 0,
  "maxRecovers" : 0,
  "maxSaves" : 2,
  "recoverSize" : {
    "unit" : "KB",
    "value" : 0
  },
  },

```

```

"recovers" : 0,
"saveSize" : {
  "unit" : "KB",
  "value" : 228016
},
"saves" : 38,
"upSince" : "2018-10-18T03:18:50-04:00",
"version" : "NetWorker 18.2.0.0.Build.13 Eval"
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Server statistics are retrieved successfully. [ServerStatistics](#)

Example data

Content-Type: application/json

```

{badRecovers=0, badSaves=0, currentRecovers=0, currentSaves=0,
maxRecovers=0, maxSaves=2, recoverSize={unit=KB, value=0},
recovers=0, saveSize={unit=KB, value=228016}, saves=38,
upSince=2018-10-18T03:18:50-04:00, version=NetWorker
18.2.0.0.Build.13 Eval}

```

GET /usergroups/{userGroupId}

Returns the specific user group. ([getUserGroup](#))

This operation can be used to retrieve the information about the specific user group.

Path parameters

userGroupId (required)

Path Parameter – is the value of the name attribute in the user group resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[UserGroup](#)

Example data

Content-Type: application/json

```

{
  "comment" : "This new user group",
  "externalRoles" : [ ],
  "links" : [ ],
  "name" : "UserGroupExample",
  "privileges" : [ "ViewSecuritySettings" ],
  "resourceId" : {
    "id" : "179.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  },
},

```

```

"users" : [ "group=Administrators,host=host_name_1",
"user=administrator,host=host_name_1",
"user=system,host=host_name_1" ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the user group is retrieved successfully. [UserGroup](#)

GET /usergroups

Returns a list of user groups. ([getUserGroups](#))

This attribute can be used to retrieve the information on all the user groups. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[UserGroupList](#)

Example data

Content-Type: application/json

```

{
  "count" : 2,
  "userGroups" : [ {
    "comment" : "Members of this group can perform the application
administration of NetWorker.",
    "externalRoles" : [
"cn=Administrators,cn=Groups,dc=host_name_1" ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/usergroups/Application%2BAdministrators
",
      "rel" : "item"
    } ],
    "name" : "Application Administrators",
    "privileges" : [ "RemoteAccessAllClients",
"ConfigureNetWorker", "OperateNetWorker", "MonitorNetWorker",
"OperateDevicesAndJukeboxes", "RecoverLocalData",
"RecoverRemoteData", "BackupLocalData", "BackupRemoteData",
"ArchiveData", "CreateApplicationSettings",
"ViewApplicationSettings", "ChangeApplicationSettings",
"DeleteApplications" ],
    "resourceId" : {
      "id" : "118.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 2
    },
    "users" : [ "group=Administrators,host=host_name_1",
"user=administrator,host=host_name_1",
"user=system,host=host_name_1" ]
  } ], {
}

```

```

    "comment" : "Members of this group can archive local data",
    "externalRoles" : [ ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/usergroups/Archive%2BUsers",
      "rel" : "item"
    } ],
    "name" : "Archive Users",
    "privileges" : [ "ArchiveData" ],
    "resourceId" : {
      "id" : "159.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    },
    "users" : [ ]
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the user groups are retrieved successfully. [UserGroupList](#)

POST /usergroups

Creates a new user group. (**postUserGroups**)

This operation can be used to create a new user group.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

usergroups [UserGroup](#) (required)

Body Parameter – User group to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

User group is created successfully. [EmptyResponse](#)

PUT /auditlogconfig

Updates the security audit log settings. (**putAuditLogConfig**)

This attribute can be used to update the security audit log settings.

NetWorker enables security audit logging by default and each NetWorker client is automatically configured. Any changes in audit logging settings will be automatically communicated to the NetWorker clients.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

auditLogConfig [AuditLogConfiguration](#) (required)

Body Parameter – Audit log settings for update.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Security audit log settings is updated successfully. [EmptyResponse](#)

PUT /serverconfig

Updates the server configuration settings. (**putServerConfig**)

This operation can be used to modify the server configuration settings of the NetWorker server.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

serverConfig [ServerConfiguration](#) (required)

Body Parameter – Server configuration settings for update.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Server configuration is updated successfully. [EmptyResponse](#)

PUT /usergroups/{userGroupId}

Updates the specific user group. (**putUserGroups**)

This operation can be used to update the specific user group.

Path parameters

userGroupId (required)

Path Parameter – is the value of the name attribute in the user group resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

userGroup [UserGroup](#) (required)

Body Parameter – User group data for the update.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

User group is updated successfully. [EmptyResponse](#)

Sessions

GET /sessions/{sessionId}

Returns the specific session. (**getSession**)

This operation can be used to retrieve the information about the specific session.

Path parameters

sessionId (required)

Path Parameter – is the value of the id attribute in the session resource.

Return type

[Session](#)

Example data

Content-Type: application/json

```
{
  "clientHostname" : "host_name_1",
  "completed" : true,
  "compressionRatio" : 0,
  "device" : "aftd",
  "deviceFamily" : "Disk",
  "deviceType" : "adv_file",
  "endTime" : "2018-10-21T10:00:13-04:00",
  "id" : 7524,
  "itemIdLong" : 7524,
  "jobId" : 72,
  "links" : [ ],
  "mode" : "Saving",
  "pool" : "Default",
  "protectionGroup" : "Server Protection",
  "rootJobId" : 70,
  "saveSet" : "index:d5b545cb-00000004-5bc83451-5bc83450-00015000-360c1a56",
  "saveSetId" : "b7bf16d3-00000006-ebcc8669-5bcc8669-00175000-360c1a56",
  "size" : {
    "unit" : "KB",
    "value" : 315
  },
  "startTime" : "2018-10-21T10:00:09-04:00",
  "stopped" : true,
  "transferRate" : {
    "unit" : "KB/s",
    "value" : 0
  },
  "volume" : "bob_restapi.001"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the session is retrieved successfully. [Session](#)

GET /sessions

Returns a list of sessions. (**getSessions**)

This operation can be used to retrieve the information about the sessions on the NetWorker server. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[SessionList](#)

Example data

Content-Type: application/json

```
{
  "count" : 3,
  "sessions" : [ {
    "clientHostname" : "host_name_1",
    "completed" : true,
    "compressionRatio" : 0,
    "device" : "aftd",
    "deviceFamily" : "Disk",
    "deviceType" : "adv_file",
    "endTime" : "2018-10-23T01:51:01-04:00",
    "id" : 7541,
    "itemIdLong" : 7541,
    "jobId" : 124,
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/sessions/7541",
      "rel" : "item"
    } ],
    "mode" : "Saving",
    "pool" : "Default",
    "protectionGroup" : "TEST_PG",
    "rootJobId" : 116,
    "saveSet" : "E:\\file1.txt",
    "saveSetId" : "21b3fa87-00000006-daceb6c3-5bceb6c3-00285000-
360c1a56",
    "size" : {
      "unit" : "KB",
      "value" : 0
    },
    "startTime" : "2018-10-23T01:50:58-04:00",
    "stopped" : true,
    "transferRate" : {
      "unit" : "KB/s",
      "value" : 0
    },
    "volume" : "bob_restapi.001"
  }, {
    "clientHostname" : "host_name_1",
    "completed" : true,
    "compressionRatio" : 0,
    "device" : "aftd",
```

```

"deviceFamily" : "Disk",
"deviceType" : "adv_file",
"endTime" : "2018-10-23T01:51:01-04:00",
"id" : 7540,
"itemIdLong" : 7540,
"jobId" : 123,
"links" : [ {
  "href" : "https://networker-
ip:9090/nwrestapi/v3/global/sessions/7540",
  "rel" : "item"
} ],
"mode" : "Saving",
"pool" : "Default",
"protectionGroup" : "TEST_PG",
"rootJobId" : 116,
"saveSet" : "E:\\file2.txt",
"saveSetId" : "64481d25-00000006-dbceb6c3-5bceb6c3-00275000-
360c1a56",
"size" : {
  "unit" : "KB",
  "value" : 0
},
"startTime" : "2018-10-23T01:50:58-04:00",
"stopped" : true,
"transferRate" : {
  "unit" : "KB/s",
  "value" : 0
},
"volume" : "bob_restapi.001"
}, {
  "clientHostname" : "host_name_1",
  "completed" : true,
  "compressionRatio" : 0,
  "device" : "aftd",
  "deviceFamily" : "Disk",
  "deviceType" : "adv_file",
  "endTime" : "2018-10-23T01:50:41-04:00",
  "id" : 7539,
  "itemIdLong" : 7539,
  "jobId" : 122,
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/sessions/7539",
    "rel" : "item"
  } ],
  "mode" : "Saving",
  "pool" : "Default",
  "protectionGroup" : "TEST_PG",
  "rootJobId" : 113,
  "saveSet" : "E:\\file1.txt",
  "saveSetId" : "2108a6b6-00000006-dcceb6ae-5bceb6ae-00265000-
360c1a56",
  "size" : {
    "unit" : "KB",

```

```

    "value" : 0
  },
  "startTime" : "2018-10-23T01:50:38-04:00",
  "stopped" : true,
  "transferRate" : {
    "unit" : "KB/s",
    "value" : 0
  },
  "volume" : "bob_restapi.001"
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the sessions is retrieved successfully. [SessionList](#)

POST /sessions/{sessionId}/op/cancel

Cancels the specified session. (**postSessionOpCancel**)

This operation can be used to cancel the specific session.

Path parameters

sessionId (required)

Path Parameter – is the value of the id attribute in the session resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

jobOpCancel [JobOpCancel](#) (required)

Body Parameter – Cancel parameters.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[InfoResponse](#)

Example data

Content-Type: application/json

```

{
  "text" : "The request is accepted. To retrieve its status, issue
an HTTP GET request to URL specified in the 'Location' response
header."
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

202

Job cancellation request has been accepted. [InfoResponse](#)

Storagenodes

DELETE /storagenodes/{storageNodeId}

Deletes the specific storage node from the NetWorker instance. (**deleteStorageNode**)

This operation can be used to delete the specific storage node.

Path parameters

storageNodeId (required)

Path Parameter – is the value of the name attribute in the storage node resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Storage node is deleted successfully. [EmptyResponse](#)

GET /storagenodes/{storageNodeId}

Returns the specific storage node. (**getStorageNode**)

This operation can be used to retrieve the information about the specific storage node.

Path parameters

storageNodeId (required)

Path Parameter – is the value of the name attribute in the storage node resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[StorageNode](#)

Example data

Content-Type: application/json

```
{  
  "aftdAllowedDirectories" : [ ],  
  "cloneStorageNodes" : [ ],
```

```

"configuredDevices" : [ "aftd", "10.31.196.90_vmware" ],
"configuredLibraries" : [ ],
"configuredLibraryTypes" : [ ],
"configuredSiloTypes" : [ ],
"configuredSilos" : [ ],
"daemonVersions" : [ "nsrsnmd:18.2.0.0.Build.13",
"nsrmmmd:18.2.0.0.Build.13", "nsrexecd:18.2.0.0.Build.13" ],
"dateOfRegistration" : "2018-10-25T01:30:10-04:00",
"dedicatedStorageNode" : false,
"deviceSharingMode" : "ServerDefault",
"dynamicNsrmmds" : true,
"enabled" : true,
"lastErrorMessages" : [ ],
"lastErrorNumber" : 0,
"links" : [ ],
"name" : "windows2012r2",
"numberOfDevices" : 2,
"numberOfLibraries" : 0,
"ready" : true,
"resourceId" : {
  "id" : "191.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
  "sequence" : 1
},
"searchAllLuns" : false,
"sharedDeviceCreation" : false,
"storageNodeIsConfigured" : true,
"typeOfStorageNode" : "SCSI",
"usePersistentNames" : false
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the storage node is retrieved successfully. [StorageNode](#)

GET /storagenodes

Returns a list of storage nodes. ([getStorageNodes](#))

This attribute can be used to retrieve a list of storage nodes. However, the query parameters can be used to filter the response. Storage nodes are host computers with one or more attached storage devices (disk or tape). The storage node function is to offload most of the data movement in a backup or a recovery operation from the NetWorker server.

Query parameters

[Query filters: q and fl](#)

Return type

[StorageNodeList](#)

Example data

Content-Type: application/json

```
{
```

```

"count" : 2,
"storageNodes" : [ {
  "aftdAllowedDirectories" : [ ],
  "cloneStorageNodes" : [ ],
  "configuredDevices" : [ "aftd", "10.31.196.90_vmware" ],
  "configuredLibraries" : [ ],
  "configuredLibraryTypes" : [ ],
  "configuredSiloTypes" : [ ],
  "configuredSilos" : [ ],
  "daemonVersions" : [ "nsrsnmd:18.2.0.0.Build.13",
"nsrmmmd:18.2.0.0.Build.13", "nsrexecd:18.2.0.0.Build.13" ],
  "dateOfRegistration" : "2018-10-18T03:18:44-04:00",
  "dedicatedStorageNode" : false,
  "deviceSharingMode" : "ServerDefault",
  "dynamicNsrmmnds" : true,
  "enabled" : true,
  "lastErrorMessages" : [ ],
  "lastErrorNumber" : 0,
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/storagenodes/host_name_1",
    "rel" : "item"
  } ],
  "name" : "host_name_1",
  "numberOfDevices" : 2,
  "numberOfLibraries" : 0,
  "ready" : true,
  "resourceId" : {
    "id" : "36.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 7
  },
  "searchAllLuns" : false,
  "sharedDeviceCreation" : false,
  "storageNodeIsConfigured" : true,
  "typeOfStorageNode" : "SCSI",
  "usePersistentNames" : false,
  "version" : "18.2.0.0"
}, {
  "aftdAllowedDirectories" : [ ],
  "cloneStorageNodes" : [ ],
  "configuredDevices" : [ "aftd", "10.31.196.90_vmware" ],
  "configuredLibraries" : [ ],
  "configuredLibraryTypes" : [ ],
  "configuredSiloTypes" : [ ],
  "configuredSilos" : [ ],
  "daemonVersions" : [ "nsrsnmd:18.2.0.0.Build.13",
"nsrmmmd:18.2.0.0.Build.13", "nsrexecd:18.2.0.0.Build.13" ],
  "dateOfRegistration" : "2018-10-25T01:30:10-04:00",
  "dedicatedStorageNode" : false,
  "deviceSharingMode" : "ServerDefault",
  "dynamicNsrmmnds" : true,
  "enabled" : true,
  "lastErrorMessages" : [ ],
  "lastErrorNumber" : 0,

```

```

    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/storagenodes/windows2012r2",
      "rel" : "item"
    } ],
    "name" : "windows2012r2",
    "numberOfDevices" : 2,
    "numberOfLibraries" : 0,
    "ready" : true,
    "resourceId" : {
      "id" : "191.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    },
    "searchAllLuns" : false,
    "sharedDeviceCreation" : false,
    "storageNodeIsConfigured" : true,
    "typeOfStorageNode" : "SCSI",
    "usePersistentNames" : false
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the storage nodes are retrieved successfully. [StorageNodeList](#)

POST /storagenodes

Creates a new storage node. (**postStorageNodes**)

This attribute can be used to create a new storage node. Storage nodes are host computers with one or more attached storage devices (disk or tape). The storage node function is to offload most of the data movement in a backup or a recovery operation from the NetWorker server.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

storageNode [StorageNode](#) (required)

Body Parameter – Storage node to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```


Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Storage node is created successfully. [EmptyResponse](#)

PUT /storagenodes/{storageNodeId}

(putStorageNode)

Updates the specific storage node.

Path parameters

storageNodeId (required)

Path Parameter – is the value of the name attribute in the storage node resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Request body

storageNode [StorageNode](#) (required)

Body Parameter – Storage node data for the update.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Storage node is updated successfully. [EmptyResponse](#)

Tenants

DELETE /tenants/{tenantId}

Deletes the specific tenant. (deleteTenant)

This operation can be used to delete a tenant from NetWorker.

A tenant provides information about a NetWorker tenant.

Path parameters

tenantId (required)

Path Parameter – is the value of the id attribute of the tenant resource's resourceId.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Tenant is deleted successfully. [EmptyResponse](#)

```
GET /tenants/{tenantId}
```

Returns the specific tenant. (**getTenant**)

This operation can fetch the information about the specific tenant.

A tenant provides information about a NetWorker tenant.

Path parameters

tenantId (required)

Path Parameter – is the value of the id attribute of the tenant resource's resourceId.

Return type

[Tenant](#)

Example data

Content-Type: application/json

```
{
  "clientHostnames" : [ "host_name_1" ],
  "devices" : [ ],
  "directives" : [ ],
  "externalRoles" : [ ],
  "jukeboxes" : [ ],
  "labels" : [ ],
  "links" : [ ],
  "name" : "TenentExample1",
  "numberOfClients" : 1,
  "numberOfDevices" : 0,
  "numberOfJukeboxes" : 0,
  "numberOfStorageNodes" : 0,
  "pools" : [ ],
  "privileges" : [ ],
  "protectionGroups" : [ "Bronze-ApplicationExample" ],
  "protectionPolicies" : [ ],
  "recovers" : [ ],
  "resourceId" : {
    "id" : "190.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
    "sequence" : 1
  },
  "storageNodes" : [ ],
```

```
"users" : [ ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specified tenant is retrieved successfully. [Tenant](#)

GET /tenants

Returns a list of tenants. ([getTenants](#))

This operation can be used to retrieve the information about all the tenants in the NetWorker instance. However, the query parameters can be used to filter the response.

A tenant provides information about a NetWorker tenant.

Query parameters

[Query filters: q and fl](#)

Return type

[TenantList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "tenants" : [ {
    "clientHostnames" : [ ],
    "devices" : [ ],
    "directives" : [ ],
    "externalRoles" : [ ],
    "jukeboxes" : [ ],
    "labels" : [ ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/tenants/189.0.120.52.0.0.0.0.210.51.200
.91.10.207.81.176",
      "rel" : "item"
    } ],
    "name" : "TenentExample",
    "numberOfClients" : 0,
    "numberOfDevices" : 0,
    "numberOfJukeboxes" : 0,
    "numberOfStorageNodes" : 0,
    "pools" : [ ],
    "privileges" : [ ],
    "protectionGroups" : [ ],
    "protectionPolicies" : [ ],
    "recovers" : [ ],
    "resourceId" : {
      "id" : "189.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    }
  } ]
}
```

```

    },
    "storageNodes" : [ ],
    "users" : [ ]
  }, {
    "clientHostnames" : [ "host_name_1" ],
    "devices" : [ ],
    "directives" : [ ],
    "externalRoles" : [ ],
    "jukeboxes" : [ ],
    "labels" : [ ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/tenants/190.0.120.52.0.0.0.0.210.51.200
.91.10.207.81.176",
      "rel" : "item"
    } ],
    "name" : "TenentExample1",
    "numberOfClients" : 1,
    "numberOfDevices" : 0,
    "numberOfJukeboxes" : 0,
    "numberOfStorageNodes" : 0,
    "pools" : [ ],
    "privileges" : [ ],
    "protectionGroups" : [ "Bronze-ApplicationExample" ],
    "protectionPolicies" : [ ],
    "recovers" : [ ],
    "resourceId" : {
      "id" : "190.0.120.52.0.0.0.0.210.51.200.91.10.207.81.176",
      "sequence" : 1
    },
    "storageNodes" : [ ],
    "users" : [ ]
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the tenants are retrieved successfully. [TenantList](#)

POST /tenants

Creates a new tenant. (postTenant)

This operation can be used to create a NetWorker tenant.

A tenant provides information about a NetWorker tenant.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

tenant [Tenant](#) (required)

Body Parameter – Tenant to be created.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A new tenant is created successfully. [EmptyResponse](#)

PUT /tenants/{tenantId}

Updates the specific tenant. (**putTenant**)

This operation can be used to modify the attributes of a tenant.

A tenant provides information about a NetWorker tenant.

Path parameters

tenantId (required)

Path Parameter – is the value of the id attribute of the tenant resource's resourceId.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

tenant [Tenant](#) (required)

Body Parameter – Tenant data for the update.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Tenant attributes are updated successfully. [EmptyResponse](#)

Timepolicies

DELETE /timepolicies/{timePolicyId}

Deletes the specific time policy. (**deleteTimePolicy**)

This operation can be used to delete a time policy from NetWorker.

Path parameters

timePolicyId (required)

Path Parameter – is the value of the id attribute of the time policy resource's resourceID.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Time policy is deleted successfully. [EmptyResponse](#)

GET /timepolicies

Returns the list of time policies available in the NetWorker server. (**getTimePolicies**)

This operation can be used to list the time policies available in the NetWorker server.

Query parameters

[Query filters: q and fl](#)

Return type

[TimePolicyList](#)

Example data

Content-Type: application/json

```
{
  "timepolicies" : [ {
    "comment" : "Details of time policy",
    "name" : "Day",
    "numberOfPeriods" : 20,
    "period" : "Days"
  }, {
    "comment" : "Details of time policy",
    "name" : "Decade",
```

```

    "numberOfPeriods" : 10,
    "period" : "Years"
  }, {
    "comment" : "Details of time policy",
    "name" : "Quarter",
    "numberOfPeriods" : 3,
    "period" : "Months"
  }, {
    "comment" : "Details of time policy",
    "name" : "Month",
    "numberOfPeriods" : 1,
    "period" : "Months"
  }, {
    "name" : "Week",
    "numberOfPeriods" : 14,
    "period" : "Weeks"
  }, {
    "name" : "Year",
    "numberOfPeriods" : 1,
    "period" : "Years"
  } ],
  "count" : 6
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the time policies is retrieved successfully. [TimePolicyList](#)

GET /timepolicies/{timePolicyId}

Returns the specific time policy details. (**getTimePolicy**)

This operation can fetch the information about the specific time policy.

Path parameters

timePolicyId (required)

Path Parameter – is the value of the id attribute of the time policy's resourceID.

Return type

[TimePolicy](#)

Example data

Content-Type: application/json

```

{
  "comment" : "Details of time policy",
  "name" : "Day",
  "numberOfPeriods" : 20,
  "period" : "Days"
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specified time policy is retrieved successfully. [TimePolicy](#)

POST /timepolicies

Creates a new time policy. (**postTimePolicy**)

This operation can be used to create a time policy for NetWorker.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

timepolicy [TimePolicy](#) (required)

Body Parameter – Time policy to be created.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A new time policy is created successfully. [EmptyResponse](#)

PUT /timepolicies/{timePolicyId}

Updates the specific time policy. (**putTimePolicy**)

This operation can be used to modify a time policy from NetWorker.

Path parameters

timePolicyId (required)

Path Parameter – is the value of the id attribute of the time policy resource's resourceID.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

timePolicyId [TimePolicy](#) (required)

Body Parameter – Time policy data for the update.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Time policy attributes are updated successfully. [EmptyResponse](#)

Vmware

```
DELETE /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}
```

Deletes the specific VM browse session. (`deleteBackupVProxyVmBrowseSession`)

This operation can be used to delete the specific VM browse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

vproxy-browse-session-id (required)

Path Parameter – is the value of the sessionId attribute of the session's config resource.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

VM browse session is deleted successfully. [EmptyResponse](#)

```
DELETE /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-  
uuid}/backups/{backup-id}/instances/{instance-  
id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-  
session-id}
```

Deletes the specific VM browse session. (**deleteInstanceVProxyVmBrowseSession**)

This operation can be used to delete the specific VM browse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

vproxy-browse-session-id (required)

Path Parameter – is the value of the sessionId attribute of the session's config resource.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

VM browse session is deleted successfully. [EmptyResponse](#)

```
DELETE /vmware/vcenters/{vcenter-hostname}
```

Deletes the specific vCenter from the NetWorker instance. (**deleteVCenter**)

This operation can be used to delete a specific vCenter from NetWorker.

vCenter provides a central point of control for managing, monitoring, provisioning, and migrating virtual machines in the VMware ecosystem.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

vCenter is deleted successfully from NetWorker. [EmptyResponse](#)

DELETE /vmware/vproxies/{vproxy-hostname}

Deletes the specific vProxy. (**deleteVProxy**)

This operation can be used to delete a specific vProxy appliance from the NetWorker instance.

Path parameters

vproxy-hostname (required)

Path Parameter – is the value of hostname attribute in the vProxy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

vProxy is deleted successfully from NetWorker. [EmptyResponse](#)

GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}/contents

Returns the content of a single VM browse session.

(**getBackupVProxyVmBrowseSessionContents**)

This operation can be used to fetch the content of a single VM browse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding needs to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

vproxy-browse-session-id (required)

Path Parameter – is the value of the sessionId attribute of the session's config resource.

Query parameters

PageSize (optional)

Query Parameter – The PageSize parameter specifies the default page size for the API. Use this parameter to specify the number of items to be displayed per page. Based on the setting, the server returns a set of pages with the specified number of items per page. By default, all query results are displayed on one page. Set the PageSize parameter to a value greater than 0.

PageNumber (optional)

Query Parameter – The PageNumber parameter specifies the page number.

Return type

[XmlVmBrowseDirectoryContents](#)

Example data

Content-Type: application/json

```
{
  "error" : {
    "text" : "",
    "code" : "0"
  },
  "noMoreData" : "true",
  "totalObjects" : "26",
  "freeSpace" : "1915236352",
  "fileList" : [ {
    "fileName" : "etc",
    "fileType" : "directory",
    "fileSize" : "0",
    "fileModificationTime" : "2018-03-20T05:25:46Z"
  }, {
    "fileName" : "recover",
    "fileType" : "directory",
    "fileSize" : "0",
    "fileModificationTime" : "2018-02-07T10:33:27Z"
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Content of a single browse session is retrieved successfully.

[XmlVmBrowseDirectoryContents](#)

```
GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-  
uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-  
id}/vmbrowse/{vproxy-browse-session-id}
```

Returns the specific VM browse session. (**getBackupVProxyVmBrowseSessionResponse**)

This operation can be used to fetch information about the specific VM browse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

vproxy-browse-session-id (required)

Path Parameter – is the value of the sessionId attribute of the session's config resource.

Return type

[VProxyVmBrowseSessionResponse](#)

Example data

Content-Type: application/json

```
{  
  "config" : {  
    "sessionId" : "cbe0c2be-5979-4cba-8beb-d7a0af6f61d8",  
    "browseDestination" : "false",  
    "cacheRetentionSeconds" : "60",  
    "currentWorkingDirectory" : "E:\\",  
    "idleTimeout" : "300"  
  },  
  "links" : [ {  
    "href" :  
    "https://10.207.86.34:9090/nwrestapi/v3/global/vmware/vcenters/10.2  
07.86.28/protectedvms/500c8452-2be3-19dd-ce36-  
854a1d4d4cde/backups/3356bee8-00000006-f00e8b12-5a0e8b12-00115000-  
a6138c56/op/vmmount/4d8e3404-bb5e-44cc-  
806bb69e1b0d4544/vmbrowse/cbe0c2be-5979-4cba-8beb-  
d7a0af6f61d8/contents",  
    "title" : "VM browse contents"  
  } ],  
  "status" : {  
    "state" : "Success",  
    "description" : "Fetched directory contents of 'E:\\'"  
  }  
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific VM browse session is retrieved successfully.

[VProxyVmBrowseSessionResponse](#)

```
GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse
```

Returns a list of all VM browse sessions.

(getBackupVProxyVmBrowseSessionResponseList)

This operation can be used to fetch information on all VM browse sessions.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

Return type

[VProxyVmBrowseSessionResponseList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "sessions" : [ {
    "config" : {
      "sessionId" : "cbe0c2be-5979-4cba-8beb-d7a0af6f61d8",
      "browseDestination" : "false",
      "cacheRetentionSeconds" : "60",
      "currentWorkingDirectory" : "E:\\",
      "idleTimeout" : "300"
    },
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/10.207.86.28/protectedv
ms/500c8452-2be3-19dd-ce36-854a1d4d4cde/backups/3356bee8-00000006-
f00e8b12-5a0e8b12-00115000-a6138c56/op/vmmount/4d8e3404-bb5e-44cc-
806bb69e1b0d4544/vmbrowse/cbe0c2be-5979-4cba-8beb-
d7a0af6f61d8/contents",
      "title" : "VM browse contents"
    } ],
  } ],
}
```

```

    "status" : {
      "state" : "Success",
      "description" : "Fetched directory contents of 'C:\\Program
Files (x8 )\\EMC\\Vproxy FLR Agent
\\flr\\mountpoints\\FLR116562623\\E'"
    }
  } ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information on all VM browse sessions is retrieved successfully.

[VProxyVmBrowseSessionResponseList](#)

```
GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-
uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}
```

Returns the specific mount session. ([getBackupVProxyVmMountSessionResponse](#))

This operation can be used to retrieve the information about the specific mount session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy mount job resource.

Return type

[VProxyVmMountSessionResponse](#)

Example data

Content-Type: application/json

```

{
  "config" : {
    "idleTimeout" : 1200,
    "mountPointPath" : "C:\\Program Files (x86)\\EMC\\vProxy FLR
Agent\\flr\\mountpoints\\FLR564443310"
  },
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/10.118.245.95/protected
vms/50231baf-6281-5d7b-09f6-5591a691017b/backups/b7d8dce8-00000006-
fdd15bfb-5bd15bfb-00045000-

```

```
f6053256/instances/1540447227/op/vmmount/d23993d6-21c0-4894-b645-efd415aeca3/vmbrowse",
  "title" : "Vm browse session"
} ],
"status" : {
  "description" : "End of mount request processing; mountpoint is 'C:\\Program Files (x86)\\EMC\\vProxy FLR Agent\\flr\\mountpoints\\FLR564443310' (no error)",
  "state" : "Mounted"
}
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information on the specific mount session is retrieved successfully.

[VProxyVmMountSessionResponse](#)

```
GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}/contents
```

Returns content of a single vmbrowse session.

(getInstanceVProxyVmBrowseSessionContents)

This operation can be used to fetch the content of a single vmbrowse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding needs to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

vproxy-browse-session-id (required)

Path Parameter – Specifies the ID of the vproxy vm browse session.

Query parameters

PageSize (optional)

Query Parameter – The PageSize parameter specifies the default page size for the API. Use this parameter to specify the number of items to be displayed per page. Based on the setting, the server returns a set of pages with the specified number of items per page. By default, all query results are displayed on one page. Set the PageSize parameter to a value greater than 0.

PageNumber (optional)

Query Parameter – The PageNumber parameter specifies the page number.

Return type

[XmlVmBrowseDirectoryContents](#)

Example data

Content-Type: application/json

```
{
  "error" : {
    "text" : "",
    "code" : "0"
  },
  "noMoreData" : "true",
  "totalObjects" : "26",
  "freeSpace" : "1915236352",
  "fileList" : [ {
    "fileName" : "etc",
    "fileType" : "directory",
    "fileSize" : "0",
    "fileModificationTime" : "2018-03-20T05:25:46Z"
  }, {
    "fileName" : "recover",
    "fileType" : "directory",
    "fileSize" : "0",
    "fileModificationTime" : "2018-02-07T10:33:27Z"
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Content of single browse session is retrieved successfully.

[XmlVmBrowseDirectoryContents](#)

```
GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-
uuid}/backups/{backup-id}/instances/{instance-
id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-
session-id}
```

Returns the specific VM browse session. ([getInstanceVProxyVmBrowseSessionResponse](#))

This operation can be used to fetch information about the specific VM browse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

vproxy-browse-session-id (required)

Path Parameter – is the value of the sessionId attribute of the session's config resource.

Return type

[VProxyVmBrowseSessionResponse](#)

Example data

Content-Type: application/json

```
{
  "config" : {
    "sessionId" : "cbe0c2be-5979-4cba-8beb-d7a0af6f61d8",
    "browseDestination" : "false",
    "cacheRetentionSeconds" : "60",
    "currentWorkingDirectory" : "E:\\",
    "idleTimeout" : "300"
  },
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/10.207.86.28/protectedvms/500c8452-2be3-19dd-ce36-854a1d4d4cde/backups/3356bee8-00000006-f00e8b12-5a0e8b12-00115000-a6138c56/op/vmmount/4d8e3404-bb5e-44cc-806bb69e1b0d4544/vmbrowse/cbe0c2be-5979-4cba-8beb-d7a0af6f61d8/contents",
    "title" : "VM browse contents"
  } ],
  "status" : {
    "state" : "Success",
    "description" : "Fetched directory contents of 'E:\\'"
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific VM browse session is retrieved successfully.

[VProxyVmBrowseSessionResponse](#)

```
GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-
uuid}/backups/{backup-id}/instances/{instance-
id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse
```

Returns a list of all vmbrowse sessions.

(getInstanceVProxyVmBrowseSessionResponseList)

This operation can be used to fetch information of all vmbrowse sessions.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

Return type

[VProxyVmBrowseSessionResponseList](#)

Example data

Content-Type: application/json

```
{
  "count" : 1,
  "sessions" : [ {
    "config" : {
      "sessionId" : "cbe0c2be-5979-4cba-8beb-d7a0af6f61d8",
      "browseDestination" : "false",
      "cacheRetentionSeconds" : "60",
      "currentWorkingDirectory" : "E:\\",
      "idleTimeout" : "300"
    },
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/10.207.86.28/protectedv
ms/500c8452-2be3-19dd-ce36-854a1d4d4cde/backups/3356bee8-00000006-
f00e8b12-5a0e8b12-00115000-a6138c56/op/vmmount/4d8e3404-bb5e-44cc-
806bb69e1b0d4544/vmbrowse/cbe0c2be-5979-4cba-8beb-
d7a0af6f61d8/contents",
      "title" : "VM browse contents"
    } ],
    "status" : {
      "state" : "Success",
      "description" : "Fetched directory contents of 'E:\\'"
    }
  } ]
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses**200**

Information on all VM browse sessions were retrieved successfully.

[VProxyVmBrowseSessionResponseList](#)

```
GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-  
uuid}/backups/{backup-id}/instances/{instance-  
id}/op/vmmount/{vproxy-mount-session-id}
```

Returns the specific mount session. (**getInstanceVProxyVmMountSessionResponse**)

This operation can be used to retrieve the information about the specific mount session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

Return type

[VProxyVmMountSessionResponse](#)

Example data

Content-Type: application/json

```
{  
  "config" : {  
    "idleTimeout" : 1200,  
    "mountPointPath" : "C:\\Program Files (x86)\\EMC\\vProxy FLR  
Agent\\flr\\mountpoints\\FLR564443310"  
  },  
  "links" : [ {  
    "href" : "https://networker-  
ip:9090/nwrestapi/v3/global/vmware/vcenters/10.118.245.95/protected  
vms/50231baf-6281-5d7b-09f6-5591a691017b/backups/b7d8dce8-00000006-  
fdd15bfb-5bd15bfb-00045000-  
f6053256/instances/1540447227/op/vmmount/d23993d6-21c0-4894-b645-  
efd415aecae3/vmbrowse",  
    "title" : "Vm browse session"  
  } ],  
  "status" : {  
    "description" : "End of mount request processing; mountpoint is  
'C:\\Program Files (x86)\\EMC\\vProxy FLR  
Agent\\flr\\mountpoints\\FLR564443310' (no error)",  
    "state" : "Mounted"  
  }  
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information on the specific mount session is retrieved successfully.

[VProxyVmMountSessionResponse](#)

```
GET /vmware/vcenters/{vcenter-hostname}
```

Returns the specific vCenter. (**getVCenter**)

This operation can fetch the information about the specific vCenter.

vCenter provides a central point of control for managing, monitoring, provisioning, and migrating virtual machines in the VMware ecosystem.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[VCenter](#)

Example data

Content-Type: application/json

```
{
  "cloudDeployment" : false,
  "hostname" : "blr76231.lss.emc.com",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/op
/refresh",
    "title" : "Refresh vCenter view"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms",
    "title" : "List of protected virtual machines"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/vm
s",
    "title" : "List of virtual machines"
  }, {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pl
ugins",
    "title" : "Install vCenter plug-ins"
  } ],
  "resourceId" : {
    "id" : "175.0.249.58.0.0.0.0.64.243.99.91.10.31.79.40",
    "sequence" : 12830
  },
  "userName" : "administrator@vsphere.local",
  "userPassword" : "*****"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific vCenter is retrieved successfully. [VCenter](#)

GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}

Returns a specific protected VM for a specific vCenter. ([getVCenterProtectedVm](#))

This operation can be used to retrieve the information about the specific protected VM, for a specified vCenter.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

Return type

[VMwareProtectedVm](#)

Example data

Content-Type: application/json

```
{
  "hasAppConsistencyBackup" : false,
  "hostname" : "",
  "ipAddress" : "",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/500a0a4a-5438-9cda-e5f3-85601f2cee74/backups",
    "title" : "List of backups"
  } ],
  "morefId" : "vm-76",
  "name" : "centos-linux-1",
  "osId" : "centos64Guest",
  "osName" : "CentOS 4/5/6/7 (64-bit)",
  "uuid" : "500a0a4a-5438-9cda-e5f3-85601f2cee74",
  "vCenterHostname" : "blr76231.lss.emc.com",
  "version" : "vmx-08"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific protected VM is retrieved successfully.

[VMwareProtectedVm](#)

```
GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances
```

Returns a list of instances (clones) for a specific protected VM backup.
([getVCenterProtectedVmBackupInstances](#))

This operation can be used to fetch the information about the list of backup instances for a specific protected VM backup.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

Return type

[BackupInstanceList](#)

Example data

Content-Type: application/json

```
{
  "backupInstances" : [ {
    "clone" : false,
    "id" : "1534743384",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/500a0a4a-5438-9cda-e5f3-85601f2cee74/backups/830d87fe-
00000006-007a5358-5b7a5358-00015000-b90e9956/instances/1534743384",
      "rel" : "item"
    } ],
    "status" : "Recoverable",
    "volumeIds" : [ "6550706" ]
  }, {
    "clone" : true,
    "id" : "1534743728",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/500a0a4a-5438-9cda-e5f3-85601f2cee74/backups/830d87fe-
00000006-007a5358-5b7a5358-00015000-b90e9956/instances/1534743728",
      "rel" : "item"
    } ],
    "status" : "Recoverable",
    "volumeIds" : [ "4267963839" ]
  } ],
  "count" : 2
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the list of instances for a specific protected VM backup is retrieved successfully. [BackupInstanceList](#)

```
GET /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups
```

Returns a list of backups (save sets) for a specific protected VM.
([getVCenterProtectedVmBackups](#))

This operation can be used to fetch the information about all backups (save sets) for a specific protected VM.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

Return type

[BackupList](#)

Example data

Content-Type: application/json

```
{
  "backups" : [ {
    "attributes" : [ {
      "key" : "**backup start time",
      "values" : [ "1534743357" ]
    }, {
      "key" : "*backup_device",
      "values" : [ "Data Domain" ]
    }, {
      "key" : "*backup_mode",
      "values" : [ "VSS" ]
    }, {
      "key" : "*policy action name",
      "values" : [ "backup: 1534743384", "clone: 1534744804" ]
    }, {
      "key" : "*policy name",
      "values" : [ "P5vProxy: 1534743384 1534744804" ]
    }, {
      "key" : "*policy workflow name",
      "values" : [ "WvProxy: 1534743384 1534744804" ]
    }, {
      "key" : "*policy_workflow_action_path",
      "values" : [ "/P5vProxy/WvProxy/backup" ]
    }, {

```



```

    "key" : "*proxy_hostname",
    "values" : [ "blr76183.lss.emc.com" ]
  }, {
    "key" : "*ss clone retention",
    "values" : [ "          1534743384:          1534743384:
2724815", "          1534744804:          1534744233:  2724815" ]
  }, {
    "key" : "*ss data domain backup cloneid",
    "values" : [ "1534743384" ]
  }, {
    "key" : "*ss data domain dedup statistics",
    "values" : [ "v1:1534743384:6036698552:1327958:1009477",
"v1:1534744804:6035519477:20772168:20681737" ]
  }, {
    "key" : "*SSID directory",
    "values" : [ "Yes" ]
  }, {
    "key" : "*vcenter_hostname",
    "values" : [ "blr76231.lss.emc.com" ]
  }, {
    "key" : "*vm_info",
    "values" : [ "{\n  \"name\": \"Centos2\",\n  \"host-name\":
\\\", \n  \"ip-address\": \\\", \n  \"template\": false, \n  \"moref-
id\": \"vm-81\", \n  \"vcenter-name\": \"blr76231.lss.emc.com\", \n
\"path\": \"/DC/test/Centos2\", \n  \"moref-path\": \"/datacenter-
2/domain-c179/vm-81\", \n  \"vm-path\": \"/DC/Centos2\", \n  \"moref-
vm-path\": \"/datacenter-2/vm-81\", \n  \"datastore\":
\"datastore\", \n  \"datastore-moref\": \"datastore-63\", \n  \"os-
identifier\": \"centos64Guest\", \n  \"os-name\": \"CentOS 4/5/6/7
(64-bit)\", \n  \"version\": \"vmx-08\", \n  \"change-version\":
\"2018-06-04T04:22:46.608173Z\", \n  \"esxi-moref\": \"host-60\", \n
\"esxi-name\": \"10.31.78.230\", \n  \"datacenter\": \"datacenter-
2\", \n  \"compute-resource\": \\\", \n  \"cluster-compute-
resource\": \"domain-c179\", \n  \"networks\": [\n    \"VM
Network\"\n  ], \n  \"disks\": [\n    {\n      \"display-name\":
\"Hard disk 1\", \n      \"datastore\": \"datastore\", \n
\"datastore-moref\": \"datastore-63\", \n      \"disk-key\": 2000, \n
\"size-kb\": 6291456, \n      \"thin\": true, \n      \"disk_stats\":
{\n        \"Statistics\": {\n          \"ProvisionedBytes\":
6442450944, \n          \"UsedBytes\": 6015221760, \n
\"ChangedBytes\": 6015221760, \n          \"SecondsTaken\": 110\n
        }, \n        \"DDStatistics\": {\n          \"PreClientCompBytes\":
20258736, \n          \"PostClientCompBytes\": 19087931, \n
\"TotalSegments\": 714820, \n          \"RedundantSegments\":
713354\n        }, \n        \"BaseFileName\": \"[datastore]
Centos2/Centos2.vmdk\"\n      }\n    }\n  ]\n}" ]
  }, {
    "key" : "*vm_name",
    "values" : [ "Centos2" ]
  }, {
    "key" : "*vm_uuid",
    "values" : [ "503c64f8-1cef-3164-2103-b6b578d51a7a" ]
  }, {
    "key" : "group",
    "values" : [ "P5vProxy_WvProxy" ]
  }, {
    "key" : "save set features",

```

```

    "values" : [ "CLIENT_SAVETIME" ]
  } ],
  "browseTime" : "2018-09-21T00:13:41+05:30",
  "clientHostname" : "blr76231.lss.emc.com",
  "clientId" : "797c0f25-00000004-5b6a9dad-5b6a9dac-00015000-b90e9956",
  "completionTime" : "2018-08-20T11:08:25+05:30",
  "creationTime" : "2018-08-20T11:06:24+05:30",
  "fileCount" : 1,
  "id" : "1d83bfb8-00000006-ff7a5358-5b7a5358-00025000-b90e9956",
  "instances" : [ {
    "clone" : false,
    "id" : "1534743384",
    "status" : "Recoverable",
    "volumeIds" : [ "6550706" ]
  }, {
    "clone" : true,
    "id" : "1534744804",
    "status" : "Recoverable",
    "volumeIds" : [ "4267963839" ]
  } ],
  "level" : "Full",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/503c64f8-1cef-3164-2103-b6b578d51a7a/backups/1d83bfb8-
00000006-ff7a5358-5b7a5358-00025000-b90e9956",
    "rel" : "item"
  } ],
  "name" : "vm:503c64f8-1cef-3164-2103-
b6b578d51a7a:blr76231.lss.emc.com",
  "retentionTime" : "2018-09-21T00:13:41+05:30",
  "saveTime" : "2018-08-20T11:05:57+05:30",
  "shortId" : "4286206808",
  "size" : {
    "unit" : "Byte",
    "value" : 6448763148
  },
  "type" : "File",
  "vmInformation" : {
    "datastoreMoref" : "datastore-63",
    "hostMoref" : "host-60",
    "disks" : [ {
      "datastoreMoref" : "datastore-63",
      "datastoreName" : "datastore",
      "key" : "2000",
      "name" : "Hard disk 1",
      "sizeInKb" : 6291456,
      "thinProvisioned" : false
    } ],
    "morefPath" : "/datacenter-2/domain-c179/vm-81",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "vmMoref" : "vm-81",
    "vmName" : "Centos2"
  }
}

```

```
} ],  
  "count" : 1  
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about all backups (save sets) for a specific protected VM is retrieved successfully. [BackupList](#)

GET /vmware/vcenters/{vcenter-hostname}/protectedvms

Returns a list of protected VMs for a specific vCenter. ([getVCenterProtectedVms](#))

This operation can be used to retrieve a list of all the protected VMs for a specific vCenter. However, the query parameters can be used to filter the response.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Query parameters

[Query filters: q and fl](#)

Return type

[VMwareProtectedVmList](#)

Example data

Content-Type: application/json

```
{  
  "count" : 6,  
  "vms" : [ {  
    "hasAppConsistencyBackup" : false,  
    "hostname" : "",  
    "ipAddress" : "",  
    "links" : [ {  
      "href" : "https://networker-  
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr  
otectedvms/500a0a4a-5438-9cda-e5f3-85601f2cee74",  
      "rel" : "item"  
    } ],  
    "morefId" : "vm-76",  
    "name" : "centos-linux-1",  
    "osId" : "centos64Guest",  
    "osName" : "CentOS 4/5/6/7 (64-bit)",  
    "uuid" : "500a0a4a-5438-9cda-e5f3-85601f2cee74",  
    "vCenterHostname" : "blr76231.lss.emc.com",  
    "version" : "vmx-08"  
  }, {  
    "hasAppConsistencyBackup" : false,  
    "hostname" : "",
```

```

    "ipAddress" : "",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/50157a82-24f4-9008-af54-c7f705ee5777",
      "rel" : "item"
    } ],
    "morefId" : "vm-153",
    "name" : "NewCentos_3",
    "osId" : "centos64Guest",
    "osName" : "CentOS 4/5/6/7 (64-bit)",
    "uuid" : "50157a82-24f4-9008-af54-c7f705ee5777",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "version" : "vmx-08"
  }, {
    "hasAppConsistencyBackup" : false,
    "hostname" : "",
    "ipAddress" : "",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/501580b7-6f38-22e6-bc33-a0ab4a4e2a30",
      "rel" : "item"
    } ],
    "morefId" : "vm-124",
    "name" : "Centosnew002",
    "osId" : "centos64Guest",
    "osName" : "CentOS 4/5/6/7 (64-bit)",
    "uuid" : "501580b7-6f38-22e6-bc33-a0ab4a4e2a30",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "version" : "vmx-08"
  }, {
    "hasAppConsistencyBackup" : false,
    "hostname" : "",
    "ipAddress" : "",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/5015aa02-c9c9-4f53-7eda-1ab280ae4eac",
      "rel" : "item"
    } ],
    "morefId" : "vm-125",
    "name" : "Centosnew003",
    "osId" : "centos64Guest",
    "osName" : "CentOS 4/5/6/7 (64-bit)",
    "uuid" : "5015aa02-c9c9-4f53-7eda-1ab280ae4eac",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "version" : "vmx-08"
  }, {
    "hasAppConsistencyBackup" : false,
    "hostname" : "",
    "ipAddress" : "",
    "links" : [ {

```

```

    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/5015e31d-0cd6-d384-0c99-3b74260bcef7",
    "rel" : "item"
  } ],
  "morefId" : "vm-123",
  "name" : "Centosnew001",
  "osId" : "centos64Guest",
  "osName" : "CentOS 4/5/6/7 (64-bit)",
  "uuid" : "5015e31d-0cd6-d384-0c99-3b74260bcef7",
  "vCenterHostname" : "blr76231.lss.emc.com",
  "version" : "vmx-08"
}, {
  "hasAppConsistencyBackup" : false,
  "hostname" : "",
  "ipAddress" : "",
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/503c64f8-1cef-3164-2103-b6b578d51a7a",
    "rel" : "item"
  } ],
  "morefId" : "vm-81",
  "name" : "Centos2",
  "osId" : "centos64Guest",
  "osName" : "CentOS 4/5/6/7 (64-bit)",
  "uuid" : "503c64f8-1cef-3164-2103-b6b578d51a7a",
  "vCenterHostname" : "blr76231.lss.emc.com",
  "version" : "vmx-08"
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the protected VMs are retrieved successfully. [VMwareProtectedVmList](#)

GET /vmware/vcenters/{vcenter-hostname}/vms/{vm-uuid}

Returns the specific VM for a specific vCenter. (**getVCenterVm**)

This operation can fetch the information about the specific VM for a specific vCenter.

vCenter provides a central point of control for managing, monitoring, provisioning and migrating virtual machines.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the Virtual Machine resource.

Return type

[VMwareVm](#)

Example data

Content-Type: application/json

```
{
  "annotation" : "This is Backup and Recovery vProxy Appliance",
  "connectionState" : "disconnected",
  "hostname" : "",
  "ipAddress" : "",
  "ipAddresses" : [ ],
  "links" : [ {
    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/vm
s/5007d26b-0b6a-083e-a6c0-cb7556c0a901/protectiondetails",
    "title" : "List of protection details"
  } ],
  "morefId" : "vm-172",
  "name" : "vproxy92build27_blr76248_PS_Automation",
  "osId" : "sles12_64Guest",
  "osName" : "SUSE Linux Enterprise 12 (64-bit)",
  "powerState" : "off",
  "state" : "notRunning",
  "status" : "gray",
  "type" : "VirtualMachine",
  "uuid" : "5007d26b-0b6a-083e-a6c0-cb7556c0a901",
  "vCenterHostname" : "blr76231.lss.emc.com",
  "version" : "vmx-10"
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific VM is retrieved successfully. [VMwareVm](#)

```
GET /vmware/vcenters/{vcenter-hostname}/vms
```

Returns a list of VMs for a specific vCenter. ([getVCenterVms](#))

This operation can be used to obtain the information on all VMs for a specific vCenter. However, the query parameters can be used to filter the response.

The vCenter provides a central point of control for managing, monitoring, provisioning and migrating virtual machines.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Query parameters

[Query filters: q and fl](#)

Return type

[VMwareVmList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "vms" : [ {
    "annotation" : "This is Backup and Recovery vProxy Appliance",
    "connectionState" : "disconnected",
    "hostname" : "",
    "ipAddress" : "",
    "ipAddresses" : [ ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/vms/5007d26b-0b6a-083e-a6c0-cb7556c0a901",
      "rel" : "item"
    } ],
    "morefId" : "vm-172",
    "name" : "vproxy92build27_blr76248_PS_Automation",
    "osId" : "sles12_64Guest",
    "osName" : "SUSE Linux Enterprise 12 (64-bit)",
    "powerState" : "off",
    "state" : "notRunning",
    "status" : "gray",
    "type" : "VirtualMachine",
    "uuid" : "5007d26b-0b6a-083e-a6c0-cb7556c0a901",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "version" : "vmx-10"
  }, {
    "annotation" : "OVA linux centos 6.3 64-bit",
    "connectionState" : "disconnected",
    "hostname" : "",
    "ipAddress" : "",
    "ipAddresses" : [ ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/vms/500a0a4a-5438-9cda-e5f3-85601f2cee74",
      "rel" : "item"
    } ],
    "morefId" : "vm-76",
    "name" : "centos-linux-1",
    "osId" : "centos64Guest",
    "osName" : "CentOS 4/5/6/7 (64-bit)",
    "powerState" : "off",
    "state" : "notRunning",
    "status" : "gray",
    "type" : "VirtualMachine",
    "uuid" : "500a0a4a-5438-9cda-e5f3-85601f2cee74",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "version" : "vmx-08"
  }
]
```

```
} ]  
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the VMs were retrieved successfully. [VMwareVmList](#)

```
GET /vmware/vcenters
```

Returns a list of vCenters. ([getVCenters](#))

This operation can be used to retrieve the information about all the vCenters. However, the query parameters can be used to filter the response.

A vCenter provides a central point of control for managing, monitoring, provisioning, and migrating virtual machines in the VMware ecosystem.

Query parameters

[Query filters: q and fl](#)

Return type

[VCenterList](#)

Example data

Content-Type: application/json

```
{  
  "count" : 1,  
  "vCenters" : [ {  
    "cloudDeployment" : false,  
    "hostname" : "blr76231.lss.emc.com",  
    "links" : [ {  
      "href" : "https://networker-  
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com",  
      "rel" : "item"  
    } ],  
    "resourceId" : {  
      "id" : "175.0.249.58.0.0.0.0.64.243.99.91.10.31.79.40",  
      "sequence" : 12830  
    },  
    "userName" : "administrator@vsphere.local",  
    "userPassword" : "*****"  
  } ]  
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the vCenters are retrieved successfully. [VCenterList](#)

GET /vmware/protectedvms

Returns a list of protected VMs. (**getVMwareProtectedVms**)

This operation can be used to retrieve the information about all the protected VMs. However, the query parameters can be used to filter the response.

This list may include both active and retired virtual machines. Currently active virtual machines can be listed from /vmware/vms.

Query parameters

[Query filters: q and fl](#)

Return type

[VMwareProtectedVmList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "vms" : [ {
    "hasAppConsistencyBackup" : false,
    "hostname" : "",
    "ipAddress" : "",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/500a0a4a-5438-9cda-e5f3-85601f2cee74",
      "rel" : "item"
    } ],
    "morefId" : "vm-76",
    "name" : "centos-linux-1",
    "osId" : "centos64Guest",
    "osName" : "CentOS 4/5/6/7 (64-bit)",
    "uuid" : "500a0a4a-5438-9cda-e5f3-85601f2cee74",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "vProxyUsedForLastBackup" : "blrv09a180.lss.emc.com",
    "version" : "vmx-08"
  }, {
    "hasAppConsistencyBackup" : false,
    "hostname" : "",
    "ipAddress" : "",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/pr
otectedvms/50157a82-24f4-9008-af54-c7f705ee5777",
      "rel" : "item"
    } ],
    "morefId" : "vm-153",
    "name" : "NewCentos_3",
    "osId" : "centos64Guest",
    "osName" : "CentOS 4/5/6/7 (64-bit)",
    "uuid" : "50157a82-24f4-9008-af54-c7f705ee5777",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "vProxyUsedForLastBackup" : "blrv09a180.lss.emc.com",
    "version" : "vmx-08"
  } ]
}
```

```
} ]  
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the protected VMs were retrieved successfully.

[VMwareProtectedVmList](#)

```
GET /vmware/vcenters/{vcenter-hostname}/vms/{vm-  
uuid}/protectiondetails
```

Returns a list of protection details for a specific vCenter VM.

([getVMwareVCenterVmProtectionDetails](#))

This operation can be used to retrieve the list of protection details for a specific vCenter VM.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the Virtual Machine resource.

Return type

[VMwareVmProtectionDetailList](#)

Example data

Content-Type: application/json

```
{  
  "count" : 1,  
  "protectionDetails" : [ {  
    "protectionGroup" : {  
      "backupOptimization" : "Capacity",  
      "dynamicAssociation" : true,  
      "name" : "P5vProxy_WvProxy",  
      "resourceId" : {  
        "id" :  
"49.0.137.109.0.0.0.0.101.116.105.91./protectiondetails",  
        "sequence" : 4  
      }  
    },  
    "vmwareWorkItemExclusion" : {  
      "containerMorefs" : [ ],  
      "vCenterHostname" : "blr76231.lss.emc.com",  
      "vmUuids" : [ ],  
      "vmdks" : [ ]  
    },  
    "vmwareWorkItemSelection" : {  
      "containerMorefs" : [ ],  
      "vCenterHostname" : "blr76231.lss.emc.com",  
      "vmUuids" : [ "50157a82-24f4-9008-af54-c7f705ee5777" ],  
    }  
  }  
]
```

```

    "vmdks" : [ ]
  },
  "workItemQueries" : [ ],
  "workItemSource" : "Static",
  "workItemSubType" : "All",
  "workItemType" : "VMware"
},
"protectionPolicy" : {
  "comment" : "",
  "name" : "P5vProxy",
  "policyProtectionEnable" : false,
  "policyProtectionPeriod" : "",
  "resourceId" : {
    "id" :
"47.0.137.109.0.0.0.0.101.116.105.91./protectiondetails",
    "sequence" : 90
  },
},
"summaryNotification" : {
  "command" : "nsrlog -f policy_notifications.log",
  "executeOn" : "Completion"
},
"workflows" : [ {
  "actions" : [ {
    "actionSpecificData" : {
      "backup" : {
        "destinationStorageNodes" : [ "nsrserverhost" ],
        "retentionPeriod" : "1 Months",
        "overrideRetentionPeriod" : false,
        "overrideBackupSchedule" : false,
        "successThreshold" : "Success",
        "backupSpecificData" : {
          "vmwareVProxy" : {
            "destinationPool" : "bkp26",
            "ddRetentionLockTime" : "",
            "enableDDRetentionLock" : false
          }
        }
      },
      "clientOverride" : "ClientCanOverride"
    }
  },
  "comment" : "",
  "completionNotification" : {
    "command" : "",
    "executeOn" : "Ignore"
  },
  "concurrent" : false,
  "drivenBy" : "",
  "enabled" : true,
  "failureImpact" : "Continue",
  "hardLimit" : "00:00",
  "inactivityTimeoutInMin" : 30,
  "name" : "backup",
  "parallelism" : 100,
  "retries" : 1,

```

```

        "retryDelayInSec" : 1,
        "scheduleActivities" : [ "incr", "incr", "incr", "incr",
"incr", "incr", "incr" ],
        "scheduleOverrides" : [ ],
        "schedulePeriod" : "Week",
        "softLimit" : "00:00"
    }, {
        "actionSpecificData" : {
            "clone" : {
                "destinationStorageNode" : "nsrserverhost",
                "retentionPeriod" : "1 Months",
                "sourceStorageNode" : "nsrserverhost",
                "enableDDRRetentionLock" : false,
                "ddRetentionLockTime" : "",
                "destinationPool" : "DDclone71",
                "deleteSource" : false
            }
        },
        "comment" : "",
        "completionNotification" : {
            "command" : "",
            "executeOn" : "Ignore"
        },
        "concurrent" : true,
        "drivenBy" : "backup",
        "enabled" : true,
        "failureImpact" : "Continue",
        "hardLimit" : "00:00",
        "inactivityTimeoutInMin" : 30,
        "name" : "clone",
        "parallelism" : 0,
        "retries" : 1,
        "retryDelayInSec" : 1,
        "scheduleActivities" : [ "exec", "exec", "exec", "exec",
"exec", "exec", "exec" ],
        "scheduleOverrides" : [ ],
        "schedulePeriod" : "Week",
        "softLimit" : "00:00"
    } ],
    "autoStartEnabled" : false,
    "comment" : "",
    "completionNotification" : {
        "command" : "",
        "executeOn" : "Ignore"
    },
    "description" : "vmware-vproxy backup, expiration 1
Months;Clone to pool DDclone71, with expiration 1 Months;",
    "enabled" : true,
    "endTime" : "21:00",
    "name" : "WvProxy",
    "protectionGroups" : [ "P5vProxy_WvProxy" ],
    "restartTimeWindow" : "24:00",
    "startInterval" : "24:00",
    "startTime" : "21:00"

```

```

    } ]
  },
  "workflow" : {
    "actions" : [ {
      "actionSpecificData" : {
        "backup" : {
          "destinationStorageNodes" : [ "nsrserverhost" ],
          "retentionPeriod" : "1 Months",
          "overrideRetentionPeriod" : false,
          "overrideBackupSchedule" : false,
          "successThreshold" : "Success",
          "backupSpecificData" : {
            "vmwareVProxy" : {
              "destinationPool" : "bkp26",
              "ddRetentionLockTime" : "",
              "enableDDRetentionLock" : false
            }
          }
        },
        "clientOverride" : "ClientCanOverride"
      }
    },
    "comment" : "",
    "completionNotification" : {
      "command" : "",
      "executeOn" : "Ignore"
    },
    "concurrent" : false,
    "drivenBy" : "",
    "enabled" : true,
    "failureImpact" : "Continue",
    "hardLimit" : "00:00",
    "inactivityTimeoutInMin" : 30,
    "name" : "backup",
    "parallelism" : 100,
    "retries" : 1,
    "retryDelayInSec" : 1,
    "scheduleActivities" : [ "incr", "incr", "incr", "incr",
"incr", "incr", "incr" ],
    "scheduleOverrides" : [ ],
    "schedulePeriod" : "Week",
    "softLimit" : "00:00"
  }, {
    "actionSpecificData" : {
      "clone" : {
        "destinationStorageNode" : "nsrserverhost",
        "retentionPeriod" : "1 Months",
        "sourceStorageNode" : "nsrserverhost",
        "enableDDRetentionLock" : false,
        "ddRetentionLockTime" : "",
        "destinationPool" : "DDclone71",
        "deleteSource" : false
      }
    },
    "comment" : "",

```

```

    "completionNotification" : {
      "command" : "",
      "executeOn" : "Ignore"
    },
    "concurrent" : true,
    "drivenBy" : "backup",
    "enabled" : true,
    "failureImpact" : "Continue",
    "hardLimit" : "00:00",
    "inactivityTimeoutInMin" : 30,
    "name" : "clone",
    "parallelism" : 0,
    "retries" : 1,
    "retryDelayInSec" : 1,
    "scheduleActivities" : [ "exec", "exec", "exec", "exec",
"exec", "exec", "exec" ],
    "scheduleOverrides" : [ ],
    "schedulePeriod" : "Week",
    "softLimit" : "00:00"
  } ],
  "autoStartEnabled" : false,
  "comment" : "",
  "completionNotification" : {
    "command" : "",
    "executeOn" : "Ignore"
  },
  "description" : "vmware-vproxy backup, expiration 1
Months;Clone to pool DDclone71, with expiration 1 Months;",
  "enabled" : true,
  "endTime" : "21:00",
  "name" : "WvProxy",
  "protectionGroups" : [ "P5vProxy_WvProxy" ],
  "restartTimeWindow" : "24:00",
  "startInterval" : "24:00",
  "startTime" : "21:00"
}
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the list of protection details for a specific vCenter's VM is retrieved successfully. [VMwareVmProtectionDetailList](#)

GET /vmware/vms

Returns a list of active virtual machines. (**getVMwareVms**)

This operation can be used to retrieve the information about all the active virtual machines. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[VMwareVmList](#)

Example data

Content-Type: application/json

```
{
  "count" : 2,
  "vms" : [ {
    "annotation" : "This is Backup and Recovery vProxy Appliance",
    "connectionState" : "disconnected",
    "hostname" : "",
    "ipAddress" : "",
    "ipAddresses" : [ ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/vms/5007d26b-0b6a-083e-a6c0-cb7556c0a901",
      "rel" : "item"
    } ],
    "morefId" : "vm-172",
    "name" : "vproxy92build27_blr76248_PS_Automation",
    "osId" : "sles12_64Guest",
    "osName" : "SUSE Linux Enterprise 12 (64-bit)",
    "powerState" : "off",
    "state" : "notRunning",
    "status" : "gray",
    "type" : "VirtualMachine",
    "uuid" : "5007d26b-0b6a-083e-a6c0-cb7556c0a901",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "version" : "vmx-10"
  }, {
    "annotation" : "OVA linux centos 6.3 64-bit",
    "connectionState" : "disconnected",
    "hostname" : "",
    "ipAddress" : "",
    "ipAddresses" : [ ],
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vcenters/blr76231.lss.emc.com/vms/500a0a4a-5438-9cda-e5f3-85601f2cee74",
      "rel" : "item"
    } ],
    "morefId" : "vm-76",
    "name" : "centos-linux-1",
    "osId" : "centos64Guest",
    "osName" : "CentOS 4/5/6/7 (64-bit)",
    "powerState" : "off",
    "state" : "notRunning",
    "status" : "gray",
    "type" : "VirtualMachine",
    "uuid" : "500a0a4a-5438-9cda-e5f3-85601f2cee74",
    "vCenterHostname" : "blr76231.lss.emc.com",
    "version" : "vmx-08"
  }
]
```

```
} ]  
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the Virtual Machines are retrieved successfully. [VMwareVmList](#)

GET /vmware/vproxies

Returns a list of vProxies. ([getVProxies](#))

This operation can be used to retrieve the information about all the vProxies. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[VProxyList](#)

Example data

Content-Type: application/json

```
{  
  "count" : 2,  
  "vProxies" : [ {  
    "datastores" : [ ],  
    "enabled" : true,  
    "encryptNbdSessions" : false,  
    "hostname" : "10.63.30.89",  
    "links" : [ {  
      "href" : "https://networker-  
ip:9090/nwrestapi/v3/global/vmware/vproxies/10.6.89",  
      "rel" : "item"  
    } ],  
    "maxHotaddSessions" : 13,  
    "maxNbdSessions" : 13,  
    "password" : "*****",  
    "resourceId" : {  
      "id" : "53.0.100.15.0.0.0.0.143.124.105.90.10.63.30.91",  
      "sequence" : 7  
    },  
    "userName" : "admin",  
    "vCenterHostname" : "10.63.30.165",  
    "vProxyPort" : 9090,  
    "version" : "Release: '3.0.0-1_SNAPSHOT20180126185157',  
Buildnumber: '1', Build date: '2018-01-26T18:51:57Z'",  
  }, {  
    "datastores" : [ ],  
    "enabled" : true,  
    "encryptNbdSessions" : false,  
    "hostname" : "10.63.30.90",  
    "links" : [ {
```



```

    "href" : "https://networker-
ip:9090/nwrestapi/v3/global/vmware/vproxies/10.6.90",
    "rel" : "item"
  } ],
  "maxHotaddSessions" : 13,
  "maxNbdSessions" : 8,
  "password" : "*****",
  "resourceId" : {
    "id" : "51.0.68.13.0.0.0.0.18.13.116.90.10.63.30.91",
    "sequence" : 1
  },
  "userName" : "admin",
  "vCenterHostname" : "10.63.30.165",
  "vProxyPort" : 9090
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the vProxies are retrieved successfully. [VProxyList](#)

```
GET /vmware/vproxies/{vproxy-hostname}
```

Returns the specific vProxy. (**getVProxy**)

This operation can be used to fetch information about the specific vProxy appliance.

Path parameters

vproxy-hostname (required)

Path Parameter – is the value of hostname attribute in the vProxy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[VProxy](#)

Example data

Content-Type: application/json

```

{
  "datastores" : [ ],
  "enabled" : false,
  "encryptNbdSessions" : false,
  "hostname" : "10.63.30.90",
  "maxHotaddSessions" : 13,
  "maxNbdSessions" : 13,
  "password" : "*****",
  "resourceId" : {
    "id" : "46.0.84.7.0.0.0.0.179.242.94.90.10.207.86.34",
    "sequence" : 2
  },
  "userName" : "admin",

```

```
"vCenterHostname" : "10.63.30.165",
"vProxyPort" : 9090
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Information about the specific vProxy is retrieved successfully. [VProxy](#)

```
POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-
uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-
id}/vmbrowse
```

Creates a new VM browse session. (**postBackupVProxyVmBrowseSessionRequest**)

This operation can be used to create a new VM browse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

VProxyVmBrowseSessionRequest [VProxyVmBrowseSessionRequest](#) (required)

Body Parameter – The vmbrowse session details to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[VProxyVmBrowseSessionPutOrPostResponse](#)

Example data

Content-Type: application/json

```
{
  "config" : {
    "idleTimeout" : 0,
    "cacheRetentionSeconds" : 6,
    "sessionId" : "sessionId",
    "currentWorkingDirectory" : "currentWorkingDirectory",
```

```
    "browseDestination" : true
  },
  "status" : {
    "description" : "description",
    "state" : "state"
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Browse session is created successfully. [VProxyVmBrowseSessionPutOrPostResponse](#)

```
POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-
uuid}/backups/{backup-id}/instances/{instance-
id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse
```

Creates a new vmbrowse session. (**postInstanceVProxyVmBrowseSessionRequest**)

This operation can be used to create a new vmbrowse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

VProxyVmBrowseSessionRequest [VProxyVmBrowseSessionRequest](#) (required)

Body Parameter – The vmbrowse session details to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[VProxyVmBrowseSessionPutOrPostResponse](#)

Example data

Content-Type: application/json

```
{
  "config" : {
    "idleTimeout" : 0,
    "cacheRetentionSeconds" : 6,
    "sessionId" : "sessionId",
    "currentWorkingDirectory" : "currentWorkingDirectory",
    "browseDestination" : true
  },
  "status" : {
    "description" : "description",
    "state" : "state"
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Browse session is created successfully. [VProxyVmBrowseSessionPutOrPostResponse](#)

POST /vmware/vproxies/op/register

Create and register a vProxy. (**postOpRegisterVProxy**)

This operation can be used to create and register a vProxy appliance.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

VProxy [VProxy](#) (required)

Body Parameter – Request body to create and register a single vProxy.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

vProxy is created successfully. [EmptyResponse](#)

POST /vmware/vcenters

Creates a new vCenter. (**postVCenter**)

This operation can be used to create a new vCenter.

vCenter provides a central point of control for managing, monitoring, provisioning, and migrating virtual machines in the VMware ecosystem.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

vcenter **VCenter** (required)

Body Parameter – vCenter to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

vCenter is created successfully. [EmptyResponse](#)

POST /vmware/vcenters/{vcenter-hostname}/op/refresh

Refreshes NetWorker information for the specific vCenter. (**postVCenterOpRefresh**)

This operation can be used to refresh the information about the specific vCenter in the NetWorker instance.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [object](#) (optional)

Body Parameter –

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Operation started successfully. Location header contains a job URI to be monitored.

[EmptyResponse](#)

POST /vmware/vcenters/{vcenter-hostname}/plugins

Installs NetWorker plug-ins for the specific vCenter. (**postVCenterPlugin**)

This operation can be used to install NetWorker plug-ins for the specific vCenter.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

vCenterPlugin [VCenterPlugin](#) (required)

Body Parameter – Parameters to install the plug-in.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[VCenterPluginResponse](#)

Example data

Content-Type: application/json

```
{
  "output" : {
    "registered" : true
  },
  "resultCode" : "resultCode",
  "status" : "status"
}
```

```
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Operation completed successfully. [VCenterPluginResponse](#)

```
POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-  
uuid}/backups/{backup-id}/op/inspectbackup
```

Inspect an app consistent VM backup for purposes of catalog retrieval.
(**postVCenterProtectedVmBackupInspectBackup**)

This operation can used to inspect an app consistent VM backup for purposes of catalog retrieval.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [object](#) (optional)

Body Parameter –

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A job corresponding to inspect operation is created. The job URI can be found in the location header of the response. [EmptyResponse](#)

```
POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/inspectbackup
```

Inspect an app consistent VM backup for purposes of catalog retrieval.
(**postVCenterProtectedVmBackupInstanceInspectBackup**)

This operation can be used to inspect an app consistent VM backup for purposes of catalog retrieval.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [object](#) (optional)

Body Parameter –

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A job corresponding to inspect operation is created. The Job URI can be found in the location header of the response. [EmptyResponse](#)

```
POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/recover
```

Starts a recovery of a selected protected VM backup.
(**postVCenterProtectedVmBackupInstanceRecover**)

This operation can be used to start a recovery of a selected protected VM backup.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

vmwareVmOpRecover [VMwareVmOpRecover](#) (required)

Body Parameter – Parameters to start the recovery.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Recover resource is created successfully. [EmptyResponse](#)

202

Accepted.

```
POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/instances/{instance-id}/op/vmmount
```

Mounts a selected protected VM backup instance for purposes of FLR.
(postVCenterProtectedVmBackupInstanceVmMount)

This operation can be used to mount a selected protected VM backup instance for the purpose of FLR.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

backupOpVmMount [BackupOpVmMount](#) (required)

Body Parameter – Parameters to start the mount.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A job corresponding to mount operation is created. The Job URI can be found in the location header of the response. [EmptyResponse](#)

```
POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/recover
```

Starts a recovery of a selected protected VM backup.
(**postVCenterProtectedVmBackupRecover**)

This operation can be used to start a recovery of a selected protected VM backup.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

vmwareVmOpRecover [VMwareVmOpRecover](#) (required)

Body Parameter – Parameters to start the recovery.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Recover resource is created successfully. [EmptyResponse](#)

202

Accepted.

```
POST /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-  
uuid}/backups/{backup-id}/op/vmmount
```

Mounts a protected VM backup for purpose of File Level Recovery.
(postVCenterProtectedVmBackupVmMount)

This operation can be used to mount a selected protected VM backup for the purpose of File Level Recovery.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

backupOpVmMount [BackupOpVmMount](#) (required)

Body Parameter – Parameters to start the mount.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

A job corresponding to mount operation is created. The job URI can be found in the location header of the response. [EmptyResponse](#)

POST /vmware/op/refreshvcenters

Refreshes the NetWorker information for all the vCenters.
(postVMwareOpRefreshVCenters)

This operation can be used to refresh the NetWorker information for all the vCenters.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

body [object](#) (optional)

Body Parameter –

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

Operation started successfully. Location header contains a job URI to be monitored.

[EmptyResponse](#)

POST /vmware/vcenters/{vcenter-hostname}/vms/{vm-uuid}/op/backup

Starts a backup for a specific `/vms/{vm-uuid}/` vCenter VM.
(postVMwareVCenterVmOpBackup)

This operation can be used to start a backup for a specific `/vms/{vm-uuid}/` vCenter VM.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the Virtual Machine resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

vmwareVmOpBackup [VMwareVmOpBackup](#) (required)

Body Parameter – Parameters to start the backup.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: `application/json`

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

201

Operation started successfully. Location header contains a job URI to be monitored.

[EmptyResponse](#)

POST `/vmware/vproxies`

Create a vProxy appliance resource. **(postVProxy)**

This operation can be used to create a new vProxy appliance resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request body

vproxy [VProxy](#) (required)

Body Parameter – The information about the vProxy to be created.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

201

vProxy is created successfully. [EmptyResponse](#)

202

Accepted.

```
PUT /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-uuid}/backups/{backup-id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-session-id}
```

Updates the specific VM browse session. (**putBackupVProxyVmBrowseSessionRequest**)

This operation can be used to update the attributes of the specific VM browse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

vproxy-browse-session-id (required)

Path Parameter – is the value of the sessionId attribute of the session's config resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

VProxyVmBrowseSessionRequest [VProxyVmBrowseSessionRequest](#) (required)

Body Parameter – The vmbrowse session details to be updated.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[VProxyVmBrowseSessionPutOrPostResponse](#)

Example data

Content-Type: application/json

```
{
  "config" : {
    "idleTimeout" : 0,
    "cacheRetentionSeconds" : 6,
    "sessionId" : "sessionId",
    "currentWorkingDirectory" : "currentWorkingDirectory",
    "browseDestination" : true
  },
  "status" : {
    "description" : "description",
    "state" : "state"
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

202

VM browse session attributes were updated successfully.

[VProxyVmBrowseSessionPutOrPostResponse](#)

```
PUT /vmware/vcenters/{vcenter-hostname}/protectedvms/{vm-
uuid}/backups/{backup-id}/instances/{instance-
id}/op/vmmount/{vproxy-mount-session-id}/vmbrowse/{vproxy-browse-
session-id}
```

Updates the specific VM browse session. (**putInstanceVProxyVmBrowseSessionRequest**)

This operation can be used to update the attributes of specific VM browse session.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

vm-uuid (required)

Path Parameter – is the value of the uuid attribute in the protected Virtual Machine resource.

backup-id (required)

Path Parameter – is the value of the id attribute in the backup resource.

instance-id (required)

Path Parameter – is the value of the id attribute in the instance resource.

vproxy-mount-session-id (required)

Path Parameter – is the value of the vProxyMountSessionId attribute in the vproxy VM mount job resource.

vproxy-browse-session-id (required)

Path Parameter – is the value of the sessionId attribute of the session's config resource.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

VProxyVmBrowseSessionRequest [VProxyVmBrowseSessionRequest](#) (required)

Body Parameter – The vmbrowse session details to be updated.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[VProxyVmBrowseSessionPutOrPostResponse](#)

Example data

Content-Type: application/json

```
{
  "config" : {
    "idleTimeout" : 0,
    "cacheRetentionSeconds" : 6,
    "sessionId" : "sessionId",
    "currentWorkingDirectory" : "currentWorkingDirectory",
    "browseDestination" : true
  },
  "status" : {
    "description" : "description",
    "state" : "state"
  }
}
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

202

VM browse session attributes updated successfully.

[VProxyVmBrowseSessionPutOrPostResponse](#)

PUT /vmware/vcenters/{vcenter-hostname}

Updates the specific vCenter. (**putVCenter**)

This operation can be used to modify the attributes of a specific vCenter.

Path parameters

vcenter-hostname (required)

Path Parameter – is the value of the hostname attribute in the vCenter resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

vcenter [VCenter](#) (required)
Body Parameter – vCenter to modify.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

vCenter attributes are updated successfully. [EmptyResponse](#)

PUT /vmware/vproxies/{vproxy-hostname}

Updates the specific vProxy appliance. (**putVProxy**)

This operation can be used to update the attributes of a specific vProxy.

Path parameters

vproxy-hostname (required)

Path Parameter – is the value of hostname attribute in the vProxy resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Consumes

This API call consumes the following media types via the Content-Type request header:

- application/json

Request body

vproxy [VProxy](#) (required)

Body Parameter – vProxy to modify.

Request headers

The mandatory 'Content-Type' header must be specified for POST/PUT methods.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

VProxy resource is updated successfully. [EmptyResponse](#)

Volumes

DELETE /volumes/{volumeId}

Deletes the specific volume. (**deleteVolume**)

This operation can be used to delete a specific volume from NetWorker.

Path parameters

volumeId (required)

Path Parameter – is the value of the name attribute in the volume resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[EmptyResponse](#)

Example data

Content-Type: application/json

```
{ }
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

204

Volume is deleted successfully from NetWorker. [EmptyResponse](#)

GET /volumes/{volumeId}

Returns the specific volume. (**getVolume**)

This operation can be used to fetch the information about the specific volume.

Path parameters

volumeId (required)

Path Parameter – is the value of the name attribute in the volume resource. Note: URL encoding or Percent encoding need to be used to build the resource identifier from the name.

Return type

[Volume](#)

Example data

Content-Type: application/json

```
{
  "accessTime" : "2018-10-23T05:07:58-04:00",
  "availabilityFlags" : [ ],
  "expirationTime" : "2020-10-22T05:07:58-04:00",
  "family" : "disk",
```

```

"flags" : [ ],
"id" : "3654214894",
"latestLabelTime" : "2018-10-23T05:07:58-04:00",
"links" : [ ],
"location" : "10.31.196.90",
"mounts" : 0,
"name" : "bob_restapi.dddefault.001",
"originalLabelTime" : "2018-10-23T05:07:58-04:00",
"pool" : "Data Domain Default",
"recover" : {
  "unit" : "KB",
  "value" : 0
},
"recycled" : 0,
"states" : [ ],
"type" : "Data Domain",
"written" : {
  "unit" : "KB",
  "value" : 0
}
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- application/json

Responses

200

Volume information is retrieved successfully. [Volume](#)

GET /volumes

Returns a list of volumes. ([getVolumes](#))

This operation can be used to retrieve the information about all the volumes. However, the query parameters can be used to filter the response.

Query parameters

[Query filters: q and fl](#)

Return type

[VolumeList](#)

Example data

Content-Type: application/json

```

{
  "count" : 2,
  "volumes" : [ {
    "accessTime" : "2018-10-23T05:07:58-04:00",
    "availabilityFlags" : [ ],
    "expirationTime" : "2020-10-22T05:07:58-04:00",
    "family" : "disk",
    "flags" : [ ],
    "id" : "3654214894",
    "latestLabelTime" : "2018-10-23T05:07:58-04:00",

```

```

    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/volumes/3654214894",
      "rel" : "item"
    } ],
    "location" : "10.31.196.90",
    "mounts" : 0,
    "name" : "bob_restapi.dddefault.001",
    "originalLabelTime" : "2018-10-23T05:07:58-04:00",
    "pool" : "Data Domain Default",
    "recover" : {
      "unit" : "KB",
      "value" : 0
    },
    "recycled" : 0,
    "states" : [ ],
    "type" : "Data Domain",
    "written" : {
      "unit" : "KB",
      "value" : 0
    }
  }, {
    "accessTime" : "2018-10-23T01:50:59-04:00",
    "availabilityFlags" : [ ],
    "expirationTime" : "2020-10-17T04:25:44-04:00",
    "family" : "disk",
    "flags" : [ ],
    "id" : "13124488",
    "latestLabelTime" : "2018-10-18T04:25:44-04:00",
    "links" : [ {
      "href" : "https://networker-
ip:9090/nwrestapi/v3/global/volumes/13124488",
      "rel" : "item"
    } ],
    "mounts" : 0,
    "name" : "bob_restapi.001",
    "originalLabelTime" : "2018-10-18T04:25:44-04:00",
    "pool" : "Default",
    "recover" : {
      "unit" : "KB",
      "value" : 0
    },
    "recycled" : 0,
    "saveSetExpirationTime" : "2018-11-23T23:59:59-05:00",
    "saveSetIds" : [ "3670980291", "3687757507", "3704534702",
"3805155411", "3821932627", "3838695408", "4291314674" ],
    "states" : [ ],
    "type" : "adv_file",
    "written" : {
      "unit" : "KB",
      "value" : 228040
    }
  }
} ]
}

```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `application/json`

Responses

200

Information about the volumes are retrieved successfully. [VolumeList](#)

Query Parameters

Query filters: q and fl

q (optional)

Query Parameter – The parameter "q" represents the **Query filter**. Use this parameter to specify an "attribute matching a value" on which to filter the results. Only exact match of the entered value is supported. For example, `/endpoint?q=AttributeName=Value` filters the result to resources with `AttributeName=Value`. To specify multiple values, use the "and" delimiter, for example, `/endpoint?q=AttributeName1=Value1 and AttributeName2=Value2`.

fl (optional)

Query Parameter – The parameter "fl" represents the **Field List filter**. Use this parameter to specify the fields (or attributes) to be shown in the response, as in `fl=field1,field2`. This parameter setting helps to limit the information in the response. If not specified, all the fields are shown. To use query filter (q) and field list filter (fl) concurrently, separate both filters with the "&" delimiter, as in `/endpoint?q=AttributeName1=Value & fl=AttributeName2`.

Models

[[Jump to Methods](#)]

Table of Contents

1. [AgentList](#) -
2. [Alert](#) -
3. [AlertList](#) -
4. [AssociatedPolicy](#) -
5. [AssociatedPolicyList](#) -
6. [Attr](#) -
7. [AuditLogConfiguration](#) -
8. [AuthNErrorResponse](#) -
9. [AuthZErrorResponse](#) -
10. [Backup](#) -
11. [BackupConfig](#) -
12. [BackupInstance](#) -
13. [BackupInstanceList](#) -
14. [BackupList](#) -
15. [BackupOpVmMount](#) -
16. [BadRequestErrorResponse](#) -
17. [BitRate](#) -
18. [Client](#) -
19. [ClientInstance](#) -
20. [ClientList](#) -

21. [ClientOpBackup](#) -
22. [CloudboostAppliance](#) -
23. [CloudboostApplianceList](#) -
24. [DataDomainSystem](#) -
25. [DataDomainSystemList](#) -
26. [Device](#) -
27. [DeviceList](#) -
28. [DeviceOpLabel](#) -
29. [DeviceOpMount](#) -
30. [DeviceOpStatus](#) -
31. [Directive](#) -
32. [DirectiveList](#) -
33. [EBRSession](#) -
34. [EmptyResponse](#) - **Empty response payload.**
35. [HANABrowse](#) -
36. [HANABrowseList](#) -
37. [HANAOpBrowse](#) -
38. [HANARecoveryGet](#) -
39. [HANARecoveryList](#) -
40. [HANARecoveryPost](#) -
41. [HTTPHeader](#) -
42. [HttpRequest](#) -
43. [HttpStatus](#) -
44. [Index](#) -
45. [IndexList](#) -
46. [InfoResponse](#) - **Information about the response.**
47. [InternalServerErrorResponse](#) -
48. [Job](#) -
49. [JobIndication](#) -
50. [JobIndicationList](#) -
51. [JobList](#) -
52. [JobOpCancel](#) -
53. [Label](#) -
54. [LabelList](#) -
55. [License](#) -
56. [LicenseList](#) -
57. [Link](#) -
58. [LinkList](#) -
59. [LocalAgent](#) -
60. [LocalAgentList](#) -
61. [Lockbox](#) -
62. [LockboxList](#) -
63. [LockboxPayload](#) -
64. [NASDevice](#) -
65. [NASDeviceList](#) -
66. [NotFoundErrorResponse](#) -
67. [Notification](#) -
68. [NotificationList](#) -
69. [Policy](#) -
70. [PolicyAction](#) -
71. [PolicyActionBackup](#) -
72. [PolicyActionBackupSnapshot](#) -
73. [PolicyActionBackupSpecificData](#) -
74. [PolicyActionBackupTraditional](#) -
75. [PolicyActionBackupVMwareVProxy](#) -
76. [PolicyActionBackupVMwareVba](#) -

77. [PolicyActionCheckConnectivity](#) -
78. [PolicyActionClone](#) -
79. [PolicyActionDiscover](#) -
80. [PolicyActionExpire](#) -
81. [PolicyActionGenerateIndex](#) -
82. [PolicyActionProbe](#) -
83. [PolicyActionServerBackup](#) -
84. [PolicyActionSettingOverride](#) -
85. [PolicyActionSpecificData](#) -
86. [PolicyActionVbaCheckpointBackup](#) -
87. [PolicyActionVbaCheckpointDiscover](#) -
88. [PolicyActionWorkItemFilter](#) -
89. [PolicyList](#) -
90. [PolicyNotification](#) -
91. [PolicyWorkflow](#) -
92. [PolicyWorkflowList](#) -
93. [PolicyWorkflowOpBackup](#) -
94. [Pool](#) -
95. [PoolList](#) -
96. [Probe](#) -
97. [ProbeList](#) -
98. [ProtectionGroup](#) -
99. [ProtectionGroupList](#) -
100. [Recover](#) -
101. [RecoverBackupInstance](#) -
102. [RecoverList](#) -
103. [RecoverNDMPOptions](#) -
104. [RemoteAgent](#) -
105. [RemoteAgentList](#) -
106. [ResourceId](#) -
107. [Rule](#) -
108. [RuleItemDefinition](#) -
109. [RuleList](#) -
110. [SAPClientInspect](#) -
111. [SAPClientInstance](#) -
112. [Schedule](#) -
113. [ScheduleList](#) -
114. [ScheduleOverride](#) -
115. [ServerConfiguration](#) -
116. [ServerMessage](#) -
117. [ServerMessageList](#) -
118. [ServerStatistics](#) -
119. [Session](#) -
120. [SessionList](#) -
121. [Size](#) -
122. [StorageNode](#) -
123. [StorageNodeList](#) -
124. [Tenant](#) -
125. [TenantList](#) -
126. [TimePolicy](#) -
127. [TimePolicyList](#) -
128. [TimeStampBasedGranularRecover](#) -
129. [UserGroup](#) -
130. [UserGroupList](#) -
131. [VCenter](#) -
132. [VCenterList](#) -

- 133. [VCenterPlugin](#) -
- 134. [VCenterPluginResponse](#) -
- 135. [VMwareApplicationRecoverSavesetInfo](#) -
- 136. [VMwareProtectedVm](#) -
- 137. [VMwareProtectedVmList](#) -
- 138. [VMwareVm](#) -
- 139. [VMwareVmBackupInfo](#) -
- 140. [VMwareVmEmergencyRecoverCleanupOptions](#) -
- 141. [VMwareVmFlrOptions](#) -
- 142. [VMwareVmGuestInfo](#) -
- 143. [VMwareVmList](#) -
- 144. [VMwareVmOpBackup](#) -
- 145. [VMwareVmOpRecover](#) -
- 146. [VMwareVmProtectionDetail](#) -
- 147. [VMwareVmProtectionDetailList](#) -
- 148. [VMwareVmdkBackupInfo](#) -
- 149. [VMwareVmdkRecoverInfo](#) -
- 150. [VMwareVmdkWorkItem](#) -
- 151. [VMwareWorkItemOpUpdate](#) -
- 152. [VMwareWorkItemSelection](#) -
- 153. [VProxy](#) -
- 154. [VProxyList](#) -
- 155. [VProxyVmBrowseSessionPutOrPostResponse](#) -
- 156. [VProxyVmBrowseSessionRequest](#) -
- 157. [VProxyVmBrowseSessionResponse](#) -
- 158. [VProxyVmBrowseSessionResponseConfig](#) -
- 159. [VProxyVmBrowseSessionResponseList](#) -
- 160. [VProxyVmBrowseSessionResponseStatus](#) -
- 161. [VProxyVmMountSessionResponse](#) -
- 162. [VProxyVmMountSessionResponseConfig](#) -
- 163. [VProxyVmMountSessionResponseStatus](#) -
- 164. [Volume](#) -
- 165. [VolumeList](#) -
- 166. [XmlError](#) -
- 167. [XmlFile](#) -
- 168. [XmlVmBrowseDirectoryContents](#) -
- 169. [inspect](#) -

AgentList

links (optional)

[array\[Link\]](#)

Alert

category (optional)

[String](#) This attribute specifies the category of the alert.

message (optional)

[String](#) This attribute describes the error condition in the system.

priority (optional)

[String](#) This attribute specifies the priority of the alert.

timestamp (optional)

[Date](#) This attribute specifies the timestamp of the alert. format: date-time

AlertList

count (optional)

[Integer](#) This attribute specifies the number of alerts. format: int32

alerts (optional)

[array\[Alert\]](#) This attribute contains information about the alerts.

links (optional)

[array\[Link\]](#)

AssociatedPolicy

policy (optional)

[String](#) This attribute specifies the name of the policy.

workflow (optional)

[String](#) This attribute specifies the name of workflow.

action (optional)

[String](#) This attribute specifies the name of action.

AssociatedPolicyList

count (optional)

[Integer](#) This attribute specifies the number of policies associated with a schedule. format: int32

associations (optional)

[array\[AssociatedPolicy\]](#) This attribute contains information about the policies, workflows and actions associated with a schedule.

links (optional)

[array\[Link\]](#)

Attr

key (optional)

[String](#)

values (optional)

[array\[String\]](#)

AuditLogConfiguration

administrators (optional)

[array\[String\]](#) This attribute specifies the list of user/administrator allowed to administer.

auditLogFilePath (optional)

[String](#) This attribute specifies the security audit file location.

auditLogHostname (optional)

[String](#) This attribute specifies the hostname of the logging server. By default, it runs on the NetWorker server.

auditLogMaxFileSizeInMB (optional)

[Integer](#) This attribute specifies the maximum size of the log file in MB. When this maximum is reached, the file is renamed for archival purposes and the default name is used to create a new security audit log file. format: int32

auditLogMaxFileVersion (optional)

[Integer](#) This attribute specifies the number of versions of the log files to keep during rollover before they are deleted. Use zero to maintain all the versions. format: int32

auditLogRenderedLocale (optional)

[String](#) This attribute specifies the locale, or language, of the rendered security audit log file. By default, the en_US locale is used.

auditLogRenderedService (optional)

[String](#) This attribute specifies the service used for logging the rendered messages.

Enum:

None

Local

Syslog

Eventlog

auditLogSeverity (optional)

String This attribute specifies the level of logging detail that each client provides to the security audit log server. By default, it is set to error. When the level is set to information, information level and higher security related events are recorded in the security audit log file.

Enum:

Information

Notice

Warning

Error

Severe

Critical

name (optional)

String This attribute specifies the name of the file where security related audit messages are logged. This is a read-only attribute.

resourceId (optional)

ResourceId

AuthNErrorResponse

Authentication failed due to invalid authentication credentials.

Authentication information is missing or invalid. Authorization header must be set with a value that starts with 'Basic' followed by a space and a base64-encoded 'username:password' string.

message (optional)

String This attribute describes the error scenario.

status (optional)

HttpStatus

timestamp (optional)

Date This attribute specifies the timestamp of the error. format: date-time

userAgentRequest (optional)

HttpRequest

version (optional)

String This attribute specifies the version of the NetWorker server.

AuthZErrorResponse

Authorization failed due to inadequate privileges for the NetWorker user to perform the specific operation. Ensure that the authenticating user to the NetWorker API service has the appropriate User Group privileges to perform this operation.

message (optional)

String This attribute describes the error scenario.

status (optional)

HttpStatus

timestamp (optional)

Date This attribute specifies the timestamp of the error. format: date-time

userAgentRequest (optional)

HttpRequest

version (optional)

String This attribute specifies the version of the NetWorker server.

Backup

attributes (optional)

[array\[Attr\]](#)

browseTime (optional)

Date This attribute specifies the save set's browse time in the time and date format. This is the time limit that the save set will remain browsable. format: date-time

clientHostname (optional)

[String](#)

clientId (optional)

String The client id is used to identify a save set with a specific client. Each client has a unique client id which is automatically generated by the NetWorker server.

completionTime (optional)

Date This attribute specifies the save set's completion time. This is the time the save set backup was completed. format: date-time

creationTime (optional)

Date This attribute specifies the creation time on the server. If the client and server clocks are out of sync, this time may be different from the save time. format: date-time

fileCount (optional)

Long format: int64

id (optional)

String The attribute specifies the backup id.

instances (optional)

[array\[BackupInstance\]](#)

level (optional)

String This attribute specifies the backup level. Different levels enable you to trade off the number of volumes and amount of time required to complete a backup.

Enum:

1

2

3

4

5

6

7

8

9

Consolidate

Full

Incr

IncrSynthFull

Manual

Migration

Skip

SynthFull

TxnLog

links (optional)

[array\[Link\]](#)

name (optional)

[String](#)

retentionTime (optional)

[Date](#) This attribute specifies the save set's retention time (expiration time) in the time and date format. This is the time limit that the save set will remain recoverable in the media database. format: date-time

saveTime (optional)

Date This attribute specifies the save time on the client. format: date-time

shortId (optional)

String

size (optional)

Size

tenant (optional)

String This attribute specifies the name of the restricted data zone (RDZ) to which the backup belongs.

type (optional)

String This attribute specifies the type of the backup.

Enum:

CoverSet

DSA

File

NDMP

Raw

Snapshot

Unknown

vmInformation (optional)

VMwareVmBackupInfo

BackupConfig

instance (optional)

String This attribute specifies the SAP HANA instance number. To determine the instance number, see the folder structure of the SAP HANA file system, that is, /usr/sap//HDB<instance_number>.

sid (optional)

String The SAP system ID (SID) is a unique identifier of a SAP System Instance. To determine the system identifier, see the folder structure of the SAP HANA file system, that is, /usr/sap//HDB<instance_number>. The valid range for SID is from 00 to 99.

hanaBin (optional)

String This attribute specifies the full path to the bin directory where hdbsql.exe is located in the specific instance. For example, /usr/sap/PRI/HDB00/exe.

hdbsqlUser (optional)

String This attribute specifies the SAP HANA operating system administrator.

mdc (optional)

Boolean This attribute specifies whether the SAP HANA system is enabled for multitenant database container (MDC) operations.

user (optional)

String This attribute specifies the username.

password (optional)

String This attribute specifies the user password.

keyEnabled (optional)

Boolean This attribute specifies whether the SAP HANA system is configured with SAP HANA HDBUSERSTORE key-based authentication instead of a username and password.

tenantAdmin (optional)

Boolean This attribute specifies whether the user is a tenant administrator.

storeKey (optional)

String This attribute specifies the SAP HANA HDBUSERSTORE key. This attribute is required if the keyEnabled attribute is true.

databases (optional)

array[String] This attribute specifies the databases to be configured for backup.

types (optional)

array[String] This attribute specifies the configuration options for SAP HANA.

appendTimestampToBackupPrefix (optional)

Boolean This attribute specifies whether the name of the backup must be prefixed with the timestamp of the start of the backup.

backupFilePrefix (optional)

String This attribute specifies the name to be prefixed to the backup file.

debug (optional)

Integer This attribute specifies the debug level.

name (optional)

String This attribute specifies the type client.

BackupInstance

clone (optional)

Boolean This attribute indicates whether or not this backup instance represents a clone.

id (optional)

String This attribute specifies the ID of the backup instance.

links (optional)

array[Link]

status (optional)

String This attribute specifies the status of the backup instance.

Enum:

Aborted

Browsable

InProgress

Recoverable

Recyclable

Unknown

volumelds (optional)

[array\[String\]](#) This attribute specifies the associated volume IDs.

BackupInstanceList

backupInstances (optional)

[array\[BackupInstance\]](#) This attribute contains information about the backup instances.

count (optional)

[Integer](#) This attribute specifies the number of backup instances.
format: int32

links (optional)

[array\[Link\]](#)

BackupList

backups (optional)

[array\[Backup\]](#) This attribute contains the information about the backups.

count (optional)

[Integer](#) This attribute specifies the number of backups. format: int32

links (optional)

[array\[Link\]](#)

BackupOpVmMount

backupDeviceExportPath (optional)

[String](#) This attribute specifies the export path for the device.

installFlrAgent (optional)

Boolean

targetVCenterHostname (optional)

String This attribute specifies the hostname of target vCenter.

targetVmAdminUserId (optional)

String This attribute specifies the administrator user ID of target VM.

targetVmAdminUserPassword (optional)

String This attribute specifies the administrator user password of target VM.

targetVmMoref (optional)

String This attribute specifies the target VM moref.

targetVmName (optional)

String This attribute specifies the target VM name.

targetVmUserId (optional)

String This attribute specifies the user ID of target VM.

targetVmUserPassword (optional)

String This attribute specifies the user password of target VM.

uninstallFlrAgent (optional)

Boolean

vProxy (optional)

String This attribute specifies the IP address of vProxy appliance.

BadRequestErrorResponse

The server could not process the request due to something that is perceived to be a client error. Request is either not well-formed, syntactically incorrect, or found to be invalid in the specific context.

The most common causes include:

- * The payload is not specified in the request or a mandatory field is missing.
- * An unrecognized field is referenced in the payload or Query, possibly due to violation of case convention.

- * The payload is not as per data format defined in the NetWorker API specification.
- * Validation check failed, although request is found to be syntactically correct. For example, the DNS resolution check fails, if specified hostname cannot be resolved.

message (optional)

[String](#) This attribute describes the error scenario.

status (optional)

[HttpStatus](#)

timestamp (optional)

[Date](#) This attribute specifies the timestamp of the error. format: date-time

userAgentRequest (optional)

[HttpRequest](#)

version (optional)

[String](#) This attribute specifies the version of the NetWorker server.

BitRate

unit (optional)

[String](#) This attribute specifies the unit of bit rate.

Enum:

Byte/s

KB/s

value (optional)

[Long](#) format: int64

Client

aliases (optional)

[array\[String\]](#) This attribute specifies aliases for the client machine that queries can match. If this list is empty, match on client name alone.

applicationInformation (optional)

array[String] This attribute contains client application specific information.

For example: In case of Microsoft SQL VDI, the application information could be

```
["NSR_PS_DEBUG_LEVEL=0","NSR_CONSISTENCY_CHECKS=FALSE"].
```

Here the NSR_PS_DEBUG_LEVEL option specifies the verbosity level of the logs and "NSR_CONSISTENCY_CHECKS=FALSE" option disables the consistency check for all databases in the SQL VDI instance.

These options are application specific and are documented in the respective application user guides.

archiveServicesEnabled (optional)

Boolean This attribute determines whether archive services are available for the client.

autoSelectStorageNodeEnabled (optional)

Boolean This attribute specifies whether the client can override the attributes of the backup target disks, storage nodes, and recover storage nodes.

backupCommand (optional)

String This attribute specifies the remote command to run to back up data for this client and save sets. The value must not include the path to the command.

You can specify the command with specific options, for example, send verbose backup information. Alternately you can customize the backups by creating additional programs (scripts) that affect the way the NetWorker server backs up the data as in pre and post backup processing. The program must start with the prefix 'save' or 'nsr' and must be placed in the bin directory of the NetWorker installation directory on the NetWorker client.

backupRenamedDirectoriesEnabled (optional)

Boolean This attribute specifies whether to include renamed directories in an incremental backup. However, the renamed directory must be explicitly listed in the save set attribute.

By default, if the name of a directory changes after a full backup, but no files or subfolders in the directory change, NetWorker will not include the renamed directory in subsequent incremental backups.

backupTargetDisks (optional)

array[String] This is an ordered list of disk devices for the client to use when saving the data, without referring to the storage node lists. The devices can be either advanced file type or Data Domain devices. This attribute does not apply to the client of the NetWorker server.

backupType (optional)

String This attribute specifies the client backup type as FileSystem, vProxy, SQL Server, Microsoft Exchange Server, or a similar value.

backupConfig (optional)

BackupConfig This attribute specifies the specific backup configurations for the client. The configuration parameters will depend on the backupType.

blockBasedBackup (optional)

Boolean Select this attribute to enable the image backups. Refer to the NetWorker Administration Guide for additional information about configuring block based backups.

centralizedLogsCollection (optional)

Boolean This attribute enables or disables local logs collections into the centralized logs storage for this client. By default, it is enabled.

checkPointGranularity (optional)

String This attribute specifies whether to restart the backup from the point of failure at the directory or file level. The default value is Directory.

Directory - After each directory is saved, the data is committed to the media and index database. If a directory contains a large number of entries, intermediate checkpoints are created.

File - Use this option only for save sets with a few large files. Committing every file to the index and the media database is time consuming. Performance degradation may occur for backups that contain many small files.

Enum:

Directory

File

checkpointEnabled (optional)

Boolean This attribute enables the support for checkpoint restart during scheduled backups. The save program performs a backup in an ordered manner and keeps track of the files saved. If save fails, it can be restarted from the point of interruption (file or directory). The ordering of the filesystems during backup may cause performance impact.

clientId (optional)

String This attribute specifies the client's identifier and cannot be changed.

clientDirectEnabled (optional)

Boolean This attribute indicates if this client is enabled to bypass the storage node and write directly to the target disk device during a scheduled backup of the client.

clientLevel (optional)

Boolean This attribute assigns the backup level determination to the client application.

comment (optional)

String This attribute specifies any user-defined description of this client or other explanatory remarks.

dataDomainBackup (optional)

Boolean This attribute specifies whether the backup destination for this client is a Data Domain device.

dataDomainInterface (optional)

String This attribute specifies the client interface over which a Client Direct backup to a Data Domain device should occur. The default value is IP. This attribute has meaning only when the Data Domain Backup and Client Direct attributes are enabled.

Enum:

Any

IP

Fibre Channel

directive (optional)

String This attribute can be used to specify the directive for the client. The choices are defined by the set of directives available under /directives.

disableIPv6 (optional)

Boolean This attribute specifies whether to disable IPv6 for the NDMP client.

executablePath (optional)

String This attribute specifies the path to the NetWorker executables on this client.

fileInactivityAlertThreshold (optional)

Integer This attribute specifies the percentage of space occupied by inactive files, exceeding which will generate a notification. A value of zero indicates that no alert will be sent for this client.

fileInactivityThreshold (optional)

Integer This attribute specifies the number of days a file has not been accessed before it is counted as inactive. A value of zero indicates that no inactivity statistics are collected for this client.

hardLinks (optional)

Boolean This attribute specifies whether hard link processing is enabled on the Windows client.

hostname (optional)

String This attribute specifies the hostname of the NetWorker client.

indexBackupContent (optional)

Boolean This attribute specifies index files and directories on the snapshot.

indexPath (optional)

String This attribute is used to allow the NetWorker administrator to balance NetWorker online file index disk utilization across multiple disk partitions. If set, this attribute contains the full path to the directory containing the clients online file index.

jobControl (optional)

array[String] This attribute is intended to be used with custom backup scripts. It controls how savegrp and nsrjobd interpret the end of a job and its status.

links (optional)

array[Link]

nasDevice (optional)

Boolean This attribute specifies whether this client is a NAS device.

nasDeviceManagementName (optional)

String In NAS device configurations, this attribute specifies the management name of the device.

nasFileAccessPassword (optional)

String this password is used to access the file services on a nas device. if a password is specified, then the nas file server user attribute for the client resource must also be defined. each instance of a client can have a different password. this field is only used with windows clients. this field is ignored with other client types.

nasFileAccessUser (optional)

String This user accesses the file services on a NAS device. Each instance of a client can have a different value for the NAS management user. This field is only used with Windows clients. This field is ignored with other client types.

nasManagementPassword (optional)

String This password is used to perform management actions on a NAS device. If a password is given, then the "NAS management user" attribute for the client resource must also be defined. Each instance of a client can have a different password.

nasManagementUser (optional)

String The user as which to run remote management commands on this NAS device. Each instance of a client can have a different value for the "NAS management user".

ndmp (optional)

Boolean This attribute indicates whether the client is a NDMP client.

ndmpArrayName (optional)

String In NDMP NAS array configurations, the logical name assigned to the array.

ndmpMultiStreamsEnabled (optional)

Boolean

ndmpLogSuccessfulFileRecov (optional)

Boolean This attribute specifies whether the logging shows the recovered files in the log file.

ndmpVendorInformation (optional)

array[String]

networkerVersion (optional)

String This attribute contains the NetWorker version that is running on the client machine. By default, this field is blank. This attribute is updated when the backup is performed.

ownerNotification (optional)

String This attribute specifies a notification action to send the contents of status messages to the owner/primary user of a client (e.g. savegrp completion messages).

parallelSaveStreamsPerSaveSet (optional)

Boolean This attribute specifies whether to enable Parallel Save Streams(PSS). Enabling PSS results in significant performance improvements due to save set aggregation.

parallelism (optional)

Integer This attribute specifies the number of data streams that a client can use simultaneously during backup. format: int32

password (optional)

String The commands save and savefs use the password to gain access to the files being backed up, and other backup commands may use it to access application data. If a password is given, then the remote user attribute for the client resource must also be defined. This attribute is not used for UNIX file system clients. Each instance of a client can have a different password.

physicalClientParallelismEnabled (optional)

Boolean This attribute specifies whether to override the client parallelism and use the physical client's parallelism.

physicalHost (optional)

String This attribute specifies the physical hostname, if this resource is for a virtual client. The hostname does not need to be fully qualified, but must be less than 64 bytes. All clients that share the same physical host must use the same name. Do not mix the name formats, such as short, FQDN, and IP address.

pool (optional)

String This attribute specifies the media pool used for data target selection during a scheduled backup of the save sets specified in this client.

postCommand (optional)

String The command that is specified here runs after the save sets are completed for this client. The value must not include a path and must start with the prefix 'save' or 'nsr'.

preCommand (optional)

String The command that is specified here runs before the save sets for this client. The value must not include a path and must start with the prefix 'save' or 'nsr'.

prepolicyGroup (optional)

array[String] This attribute specifies the list of groups of which the client was a member before the policy was upgraded.

priority (optional)

String This attribute specifies the priority for the client. During a backup operation, the NetWorker server contacts the client with the lowest priority value first. The valid range is 1 to 1000. If you do not specify a priority here, then the backup order is random. The default value is 500.

probeResourceName (optional)

String This attribute specifies the probe resource name, so that probe is initiated against the NetWorker client before the backup begins.

protectionGroups (optional)

array[String]

recoverStorageNodes (optional)

array[String] This attribute is an ordered list of storage nodes for the client to use when recovering its data.

remoteAccessUsers (optional)

array[String] A list of remote users that are allowed to recover this client's files. If empty, only users logged into this machine are valid. Examples: sam@jupiter or user=sam,host=jupiter (user sam on machine jupiter), group=wheel,host=jupiter (any user in group wheel on host jupiter), jupiter or host=jupiter (any user on machine jupiter). Warning: If using the restricted data zones (RDZ)s feature it is possible to give access to someone not explicitly in the associated restricted data zone (RDZ). Use caution with wildcard characters.

remoteUser (optional)

String The user that runs remote commands on this client or accesses the application-specific data. Each instance of a client can have a different value for the 'remote user'.

resourceId (optional)

ResourceId

retentionPolicy (optional)

String This attribute specifies the name of the policy controlling how long entries will remain in the media index before they are marked as recyclable.

saveOperations (optional)

String This attribute specifies the save operation instructions in the format: KEYWORD:TOKEN=STATE[;KEYWORD:TOKEN=STATE;...]. This attribute is required if save set attribute of this client contains non-ASCII names. This attribute can also be used to configure VSS saves on the Windows OS.

saveSessionDistribution (optional)

String This attribute sets the threshold for the save session distribution. The client will distribute the save sessions to the next storage node in the storage node affinity list when the overall target sessions or max sessions of all devices on the current storage node is exceeded. The default threshold is max sessions.

Enum:

MaxSessions

TargetSessions

saveSetMbt (optional)

[array\[String\]](#) This attribute specifies the multi-byte transform of the save set names defined for the client. The multi-byte transform is a UTF-8 encoding used to preserve pathnames.

saveSets (optional)

[array\[String\]](#) A list of the save sets to be backed up for this client with this schedule.

schedule (optional)

[String](#) This attribute specifies the backup schedule for client resource.

scheduledBackup (optional)

[Boolean](#) This attribute indicates if this client is enabled for scheduled backups.

shortFileNamesEnabled (optional)

[Boolean](#) This attribute determines the status of the short filename processing on the Windows client.

serverNetworkInterface (optional)

[String](#) This attribute specifies the name of the network interface on the server to be used for saves and recoveries.

storageNodes (optional)

[array\[String\]](#) This attribute specifies an ordered list of storage nodes for the client to use when saving its data.

storageReplicationPolicyName (optional)

[String](#) The storage replication policy used during backup.

tags (optional)

[array\[String\]](#) This attribute contains tags for the clients.

tenant (optional)

String The restricted data zone (RDZ) this resource belongs to if it belongs to one.

vbaHostType (optional)

String This attribute specifies whether the client is for VBA server or proxy host.

Enum:

VBA Server Host

VBA Proxy Host

virtualClient (optional)

Boolean This attribute indicates whether the client is a virtual machine.

ClientInstance

This attribute specifies the SAP HANA instances available for the client.

sid (optional)

String This attribute specifies the unique system ID of the instance.

instanceId (optional)

String This attribute specifies the instance number.

ClientList

clients (optional)

array[Client] This attribute specifies the information about the clients.

count (optional)

Integer This attribute specifies the number of clients. format: int32

links (optional)

array[Link]

ClientOpBackup

actionOverrides (optional)

[array\[PolicyActionSettingOverride\]](#)

policy (optional)

[String](#) This attribute specifies the policy name.

workflow (optional)

[String](#) This attribute specifies the workflow name.

CloudboostAppliance

host (optional)

[String](#) This attribute specifies the hostname of cloudboost appliance.

name (optional)

[String](#) This attribute specifies the name of cloudboost appliance.

username (optional)

[String](#) This attribute specifies the username used to connect to the cloudboost appliance.

password (optional)

[String](#) This attribute specifies the password used to connect to the cloudboost appliance.

resourceId (optional)

[ResourceId](#)

CloudboostApplianceList

count (optional)

[Integer](#) This attribute specifies the number of cloudboost appliances.
format: int32

cloudBoostAppliances (optional)

[array\[CloudboostAppliance\]](#) This attribute contains information corresponding to cloudboost appliances.

DataDomainSystem

availableCapacity (optional)

String This attribute specifies the Data Domain available capacity.

cloudUnit (optional)

String The cloud unit for the associated MTree.

comment (optional)

String Any user-defined description of this resource or other explanatory remarks.

exportPath (optional)

String Export path specifies the path relative to a base path that has been NFS exported by the Data Domain, for example, 7678/exported-dir. The base path is the path to the directory that contains the Data Domain MTree, for example, /data/col1.

fcHostName (optional)

String This attribute specifies the Data Domain system Fibre Channel hostname.

hosts (optional)

String This attribute specifies the list of all the hosts on a Data Domain system.

inuseFilecopyStreams (optional)

String This attribute specifies the Data Domain in-use filecopy streams.

inuseReadStream (optional)

String This attribute specifies the Data Domain in-use read streams.

inuseReadWriteStreams (optional)

String This attribute specifies the Data Domain in-use read/write streams.

inuseReplicationStreams (optional)

String This attribute specifies the Data Domain in-use replication streams.

managementCertificate (optional)

String This attribute specifies the certificate that the REST API uses to manage the Data Domain system.

managementHost (optional)

String This attribute specifies the Data Domain management host.

managementPort (optional)

String This attribute specifies the remote port that the REST API uses to manage the Data Domain system.

managementUser (optional)

String This attribute specifies the remote username with administrative privileges to manage the Data Domain system.

maxReadStreams (optional)

String This attribute specifies the Data Domain maximum read streams.

maxWriteStreams (optional)

String This attribute specifies the Data Domain maximum write streams.

maxReplicationDestinationStreams (optional)

String This attribute specifies the Data Domain maximum replication destination streams.

maxReplicationSourceStreams (optional)

String This attribute specifies the Data Domain maximum replication source streams.

model (optional)

String This attribute specifies the Data Domain model.

name (optional)

String This attribute specifies the Data Domain system name as a unique string.

osVersion (optional)

String This attribute specifies the Data Domain OS version.

serial (optional)

String This attribute specifies the Data Domain serial number.

snmpCommunityString (optional)

String This attribute specifies the Data Domain SNMP community string.

storageNode (optional)

String This attribute specifies the storage node to connect to Data Domain system.

totalCapacity (optional)

String This attribute specifies the Data Domain total capacity.

totalMaxStreams (optional)

String This attribute specifies the Data Domain total maximum streams.

totalMaxWriteStreams (optional)

String This attribute specifies the Data Domain total maximum write streams.

usedCapacity (optional)

String This attribute specifies the Data Domain used capacity.

usedLogicalCapacity (optional)

String This attribute specifies the Data Domain used logical capacity.

userName (optional)

String This attribute specifies the remote username to connect to the Data Domain system.

`DataDomainSystemList`

count (optional)

Integer This attribute specifies the number of Data Domain systems.
format: int32

dataDomainSystems (optional)

[array\[DataDomainSystem\]](#) This attribute specifies the information about the Data Domain systems.

links (optional)

[array\[Link\]](#)

Device

autoMediaManagement (optional)

[Boolean](#) This attribute enables automated media management for volumes loaded into the device.

This includes automatic mounting of NetWorker volumes loaded into the device, automatic labeling of blank volumes loaded into the device, and automatic recycling of eligible volumes loaded into the device.

cdi (optional)

[String](#) This attribute indicates whether or not to use the Common Device Interface (CDI) for this device. To enable TapeAlert, which provides diagnostic information for devices, you must select SCSI commands.

Enum:

NotUsed

SCSI

cleaningInterval (optional)

[String](#) This attribute indicates the period of time from when the device was last cleaned until the next scheduled cleaning.

The time may be specified in days, weeks, or months. For example: 4 days, 2 weeks, month (same as 1 month).

cleaningRequired (optional)

[Boolean](#) This attribute indicates whether the media device needs to be cleaned.

cloudBandwidthThrottlingSettings (optional)

[array\[String\]](#) This attribute specifies the maximum internet bandwidth that a cloud backup or recovery operation can consume at any given time of the day or week.

cloudBandwidthThrottlingEnabled (optional)

Boolean This attribute specifies whether or not cloud bandwidth throttling is enabled.

cloudCACertificate (optional)

String This attribute specifies the CA Certificate of the cloud store.

cloudCompression (optional)

String This attribute specifies the cloud compression type from the predefined list.

Enum:

None

SpeedVerySlow

SpeedSlow

SpeedMedium

SpeedFast

cloudEncryption (optional)

String This attribute specifies the encryption algorithm from the predefined list.

Enum:

None

AES256

cloudNetworkFailureRetryInMin (optional)

Integer This attribute specifies the number of minutes that a backup or recover session must wait before a failed network connection results in an aborted backup or recover session. format: int32

cloudNumberOfRetries (optional)

Integer This attribute specifies the number of times that NetWorker must attempt to send back up data or receive recover data in the event of a network failure. format: int32

cloudServer (optional)

String This attribute specifies the IP address or fully qualified domain name of the cloud server.

cloudTimeout (optional)

Integer This attribute specifies the number of seconds that NetWorker will wait for confirmation that network send and receive transmissions to the cloud server have occurred successfully. Note: If the timeout period expires, the data transmission is considered to have failed. format: int32

cloudWriteSizeInKB (optional)

Integer This attribute specifies the amount of backup data in kilobytes to cache in memory before sending to the cloud. format: int32

comment (optional)

String This attribute specifies a user-defined description of this device or other explanatory remarks.

dataDomainFibreChannel (optional)

Boolean This attribute enables Fibre Channel access for Data Domain devices. Note: This attribute is supported only for a Data Domain device.

dataDomainFibreChannelHostname (optional)

String This attribute specifies pseudo hostname of the Fibre Channel enabled Data Domain server. Note: This attribute is supported only for a Data Domain device.

dataDomainHost (optional)

String This attribute specifies the hostname for the Data Domain appliance associated with this device. Note: This attribute is supported only for a Data Domain device.

dataDomainRetentionLockMode (optional)

String This attribute enables or disables the Data Domain retention lock. Note: This attribute is supported only for a Data Domain device.

Enum:

None

Governance

Compliance

dataDomainRetentionLockPeriodMin (optional)

String This attribute specifies the minimum retention period for the Data Domain device. The value range is 12 hours to 70 years. The correct format is XX days HH:MM:SS. Note: This attribute is supported only for a Data Domain device.

dataDomainRetentionLockPeriodMax (optional)

String This attribute specifies the maximum retention period for the Data Domain device. The value range is 12 hours to 70 years. The correct format is XX days HH:MM:SS. Note: This attribute is supported only for a Data Domain device.

dateLastCleaned (optional)

Date This attribute specifies the last date when the media device was cleaned. format: date-time

description (optional)

String This attribute specifies the description of the device.

deviceAccessInfo (optional)

String This attribute specifies the access path for an advance file or a Data Domain device.

deviceSerialNumber (optional)

String This attribute specifies the serial number of the device.

dltWormCapable (optional)

Boolean This attribute specifies whether the device is capable of creating DLTWORM media.

hardwareId (optional)

String This attribute specifies the ID of a shared drive, where the physical drive can be accessed from multiple device paths.

links (optional)

array[Link]

maxNsrmmmdCount (optional)

Integer This attribute specifies the maximum number of nsrmmmd processes started for this device. format: int32

maxSession (optional)

Integer This attribute specifies the maximum number of save sessions for the device. format: int32

mediaFamily (optional)

String The general class of storage media is determined automatically from the type of the device.

Enum:

Tape

Disk

Cloud

Logical

mediaType (optional)

String The media type describes the actual storage media from the predefined list. This is a mandatory attribute.

Enum:

Data Domain

DD Cloud Tier

protectpoint

objstr

Atmos COS

adv_file

Cloud Boost

file

logical

Auto Detected

LTO Ultrium-8

LTO Ultrium-7

LTO Ultrium-6

LTO Ultrium-5

LTO Ultrium-4

LTO Ultrium-3

LTO Ultrium-2

LTO Ultrium

LTO Accelis

TS1140

TS1130

TS1120

T10000D

T10000C

T10000B

T10000

9940B

9940

9840D

9840C

9840b

9840

9490

4890

3592

3590

3570

3480

optical

dtf2

dtf

dst

dst (NT)

VXA-320

VXA-172

VXA-2

VXA

sdl600

sdl320

sdl

dlt-v4

dlt-s4

dlt 20GB

dlt vs160

dlt8000

dlt7000

dlt1

dlt

tzs20

tz90

tz89

tz88

tz87

tz86

tz85

tkz90

tk70

tk50

4mm DAT160

4mm DAT72

4mm 20GB

4mm 12GB

4mm 8GB

4mm 4GB

4mm

8mm Mammoth-3

8mm Mammoth-2

SAIT-2

SAIT-1

8mm AIT-5

8mm AIT-4

8mm AIT-3

8mm AIT-2

8mm AIT

8mm 20GB

8mm 7GB

8mm 5GB

8mm

SD3

SLR

qic

travan10

generic256

generic128

generic

CentricStor

vhs

himt

message (optional)

String The NetWorker server uses this attribute to store I18N messages regarding this device.

mountedVolume (optional)

String This attribute specifies the name of the volume mounted on this device.

name (optional)

String

This attribute specifies the name of the device.

The device name is usually the pathname of a tape or a file type device, such as /dev/nrmt8. The name may be prefixed with 'rd=', the device's hostname and a colon. For an adv_file or Data Domain device, the name can be any string. For an adv_file or Data Domain device, use the "device access information" attribute to specify a path.

. Note: You cannot change the name after the device is created. If needed, delete the device and create a new device.

ndmp (optional)

Boolean This attribute identifies the device as an NDMP device.

parentJukebox (optional)

String This attribute contains the name of the jukebox to which this device belongs.

password (optional)

String This attribute specifies the password associated with the remote user. The password is used to connect to the NDMP tape server, Data Domain server, or the UNC adv_file device path on a network drive or a CloudBoost device.

pathId (optional)

String This attribute represents the ID of a shared disk directory, where the directory can be accessed from multiple device paths.

readOnly (optional)

Boolean This attribute specifies whether the device is available for read-only operations.

remoteUser (optional)

String This attribute specifies the user that is used to connect to the NDMP tape server, Data Domain server, or the UNC or NFS adv_file device path on a network drive. For CloudBoost devices, the value is the 'token-id' or 'access key' supplied by the CloudBoost vendor.

resourceId (optional)

ResourceId

status (optional)

String This attribute specifies whether the device is available for use.

Enum:

Enabled

Disabled

Service

suspectedDevice (optional)

Boolean This attribute specifies whether the device lost connection on storage node.

tapeAlertsWarning (optional)

array[String] This attribute specifies a message when the media or device needs servicing.

tapeAlertsCritical (optional)

array[String] This attribute specifies critical diagnostic information, such as for media or drive failure, when user intervention is urgent and data is at risk.

tapeAlertsInformation (optional)

array[String] This attribute indicates the information on the device status. Note: For TapeAlert capability, set the CDI attribute to 'SCSI'.

targetSession (optional)

Integer This attribute specifies the number of save sessions dispatched to this device before another device is considered. format: int32

tenant (optional)

String This attribute specifies the name of the restricted data zone (RDZ) to which this device belongs.

verifyLabelOnEject (optional)

Boolean Enabling this attribute causes automatic verification of the label whenever the media is ejected.

volumeld (optional)

String This attribute specifies the volume ID for the currently mounted volume.

volumePool (optional)

String This attribute specifies specifies the pool to which the current volume belongs.

warnOnSuspectVolumesInPercent (optional)

Integer This attribute specifies the minimum threshold (percentage value) of advertised tape capacity at which the user will be warned when a tape is prematurely marked full. format: int32

wormCapable (optional)

Boolean This attribute specifies whether the device is capable of handling WORM media.

wormCartridgePresent (optional)

Boolean This attribute specifies whether the volume currently loaded in the drive (if any) is a WORM cartridge.

This attribute is set automatically based on information retrieved from the tape drive.

writeEnabled (optional)

Boolean This attribute specifies whether the device is enabled for write.

DeviceList

count (optional)

Integer This attribute specifies the number of devices. format: int32

devices (optional)

array[Device] This attribute specifies the information about the devices.

links (optional)

array[Link]

DeviceOpLabel

capacity (optional)

String This attribute can be used to specify the new capacity of the device.

labelWithoutMount (optional)

Boolean This attribute can be used to label the device without mount.

manualRecycleOnly (optional)

Boolean This attribute can be used to enable manual recycling. Note: When a volume is marked as manual recycle, the assigned browse and retention policies are disregarded.

pool (optional)

String This attribute can be used to specify a different pool to change the volume pool assignment.

relabel (optional)

Boolean This attribute can be used to relabel the volume. Note: When 'relabel' is enabled, do not set 'pool', 'verifyUnlabeledVolume', or 'volumeLabel'.

verifyUnlabeledVolume (optional)

Boolean This attribute can be used to set or unset the unlabeled volume verification.

volumeLabel (optional)

String This attribute specifies a new unique volume label.

DeviceOpMount

volume (optional)

String This attribute specifies the volume to mount.

writeEnabled (optional)

Boolean This attribute specifies whether the device is enabled for write.

DeviceOpStatus

error (optional)

String This attribute shows any error messages on the device.

message (optional)

String This attribute shows any informational messages on the device.

operation (optional)

String This attribute shows the operational state of the device.

Enum:

Unmount

Mount

VerifyLabel

Label

LabelWithoutMount

Eject

VerifyWriteTime

MonitorDevice

RecoverSpace

CheckFileSystem

Check

Erase

CheckMedia

operationInProgress (optional)

Boolean This attribute shows whether an operation is in progress on the device.

resourceId (optional)

ResourceId

volumeLabel (optional)

String This attribute shows the volume label.

Directive

Directives can be used to improve the efficiency of backups by controlling which files get saved and specifying special handling on certain types of files.

comment (optional)

String This attribute is provided for the administrator to keep any explanatory remarks or supplementary information about the directive.

directive (optional)

String This attribute contains the rules defining the directive. The value of this attribute is similar to the contents of a .nsr file except that absolute path names must be specified for each << pa th >> directive. See nsr(5) for more information on the format of this attribute.

links (optional)

array[Link]

name (optional)

String This attribute specifies the name of the directive.

resourceId (optional)

ResourceId

tenant (optional)

String This attribute specifies the tenant name for the identity provider configuration in the Net- Worker Authentication Service database.

DirectiveList

count (optional)

Integer This attribute specifies the number of directives. format: int32

directives (optional)

array[Directive] This attribute contains the information about the directives.

links (optional)

array[Link]

EBRSession

registered (optional)

Boolean This attribute specifies the registration status of the EMC Backup and Recovery (EBR) plug-in.

EmptyResponse - Empty response payload.

This entity represents an empty response payload.

HANABrowse

backupId (optional)

String This attribute specifies the backup identifier of the backup.

startTime (optional)

String This attribute specifies the start time of the backup.

endTime (optional)

String This attribute specifies the end time of the backup.

HANABrowseList

count (optional)

Integer This attribute specifies the number of full data backups available in the SAP HANA catalog for the given database. format: int32

backups (optional)

array[HANABrowse] This attribute specifies the backups available in the SAP HANA catalog for the given database.

HANAOpBrowse

database (optional)

String This attribute specifies the database whose data backups should be browsed from the SAP HANA catalog.

user (optional)

String This attribute specifies the system or tenant user who is privileged to browse the SAP HANA catalog for the database.

password (optional)

String This attribute specifies the password associated with the specified user. Mandatory if a password is specified.

storeKey (optional)

String This attribute specifies the store key associated with the system or tenant.

hdbsqlUser (optional)

String This attribute specifies the SAP HANA operating system administrator. Mandatory if a storeKey is specified.

HANARecoveryGet

This attribute contains the parameters required to perform the SAP HANA database restore.

backupId (optional)

String This attribute specifies the backup identifier associated with a data backup.

database (optional)

String This attribute specifies the name of the database to be recovered.

debug (optional)

Integer This attribute specifies the debug log level to be set for the operation.

destinationClientResID (optional)

String This attribute specifies the destination client ID of the remote machine to direct the recovery. The client ID can be obtained from URI /global/clients. If destination client ID is not provided, the client information from the backup instance is considered for recovery.

hdbsqlUser (optional)

String This attribute specifies the SAP HANA operating system administrator.

links (optional)

array[Link]

name (optional)

String This attribute specifies the name of recovery.

recoveryStartTime (optional)

String This attribute specifies the time when the recovery started on the NetWorker server. Not supported for an HTTP-POST request.

resourceId (optional)

ResourceId

storeKey (optional)

String This attribute specifies the SAP HANA HDBUSERSTORE key.

sourceClient (optional)

String This attribute specifies the source client ID to initiate Recovery.

timestamp (optional)

Date This attribute specifies the timestamp for a point-in-time recovery, so that the specified database is restored to a specific point in time. Specifying a time in the future for the timestamp produces a database recovery to the most recent state. format: date-time

user (optional)

String This attribute specifies the SAP HANA system or tenant database user.

`HANARecoveryList`

count (optional)

Integer This attribute specifies the number of SAP HANA application recovery resources. format: int32

recovers (optional)

array[HANARecoveryGet] This attribute specifies the SAP HANA application recovery resources.

`HANARecoveryPost`

This attribute contains the parameters required to perform the SAP HANA database restore.

sourceClientResId (optional)

String This attribute specifies the resource identifier of the SAP HANA client, where the host serves as both source and destination client.

database (optional)

String This attribute specifies the name of the database to be recovered.

hdbsqlUser (optional)

String This attribute specifies the SAP HANA operating system administrator.

timestamp (optional)

Date This attribute specifies the timestamp for a point-in-time recovery, so that the specified database is restored to a specific point in time. Specifying a time in the future for the timestamp produces a database recovery to the most recent state. format: date-time

backupId (optional)

String This attribute specifies the backup identifier associated with a data backup.

debug (optional)

Integer This attribute specifies the debug log level to be set for the operation.

user (optional)

String This attribute specifies the SAP HANA system or tenant database user.

password (optional)

String This attribute specifies the password associated with the SAP HANA system or tenant database user.

storeKey (optional)

String This attribute specifies the SAP HANA HDBUSERSTORE key.

`HTTPHeader`

A HTTP header specifies the required information about the request or response, or about the payload.

name (optional)

String This attribute specifies the HTTP header key.

value (optional)

String This attribute specifies the HTTP header value.

`HttpRequest`

contentType (optional)

Long This attribute specifies the size of the request body. format: int64

headers (optional)

array[HTTPHeader] This attribute specifies the HTTP headers.

method (optional)

String This attribute specifies the HTTP method used.

query (optional)

String This attribute specifies the query parameters used in the associated URL.

url (optional)

String This attribute specifies the associated URL.

`HttpStatus`

code (optional)

Integer This attribute specifies the HTTP status code. format: int32

codeClass (optional)

String This attribute specifies the code class.

reasonPhrase (optional)

String This attribute specifies the cause.

`Index`

Client file index stores information about each file backed up by a NetWorker client.

clientFileId (optional)

String This attribute specifies the client file ID

fileName (optional)

String This attribute specifies the name of the file.

fileSizeInBytes (optional)

Long This attribute specifies the file size in bytes. format: int64

namespace (optional)

String This attribute specifies the associated namespace.

Enum:

backup

migrated

archive

nsr

ccmail

informix

msexch

msmail

mssql

notes

sapmssql

saporacle

saphana

sybase

db2

mysql

oracle

nmcasa

actdir

medi

MOSS

bbb

nmm

nmm_bbb

msapp_pp

msapp_bbb

fsagent

fsagent_scan

iq

msvmapp

offset (optional)

Long This attribute specifies the offset. format: int64

saveTime (optional)

String This attribute specifies save time in UTC format.

IndexList

count (optional)

Integer This attribute specifies the number of indexes. format: int32

items (optional)

array[Index]

InfoResponse - Information about the response.

Informational response.

text (optional)

String This attribute specifies an informational message.

InternalServerErrorResponse

An internal application error prevented the server from fulfilling the request, possibly due to an unexpected condition during the task execution or communication failure with an internal component.

message (optional)

String This attribute describes the error scenario.

status (optional)

HttpStatus

timestamp (optional)

Date This attribute specifies the timestamp of the error. format: date-time

userAgentRequest (optional)

HttpRequest

version (optional)

String This attribute specifies the version of the NetWorker server.

Job

adhocJob (optional)

Boolean This attribute specifies whether this job is an ad hoc job. Ad hoc job is a manual job initiated by the user, which is not initiated by jobd.

clientHostname (optional)

String This attribute specifies the NetWorker client name or ID.

command (optional)

String This attribute specifies the command string used to start this job.

completionStatus (optional)

String This attribute specifies the completion status of this job.

Enum:

Unknown

CommunicationLost

NeverStarted

DidNotRun

Succeeded

Failed

Cancelled

Abandoned

MissedTheSchedule

dataSize (optional)

Size This attribute specifies the amount of data in kilobytes saved or recovered by this job.

dependentJobIds (optional)

array/Long This attribute specifies the IDs of dependents of this job.
format: int64

endTime (optional)

Date This attribute specifies the date and time when this job is completed. format: date-time

exitCode (optional)

Long This attribute specifies the exit code of the exited job. format: int64

id (optional)

Long This attribute specifies the unique ID of this job. format: int64

itemCount (optional)

Long This attribute specifies the number of files saved or recovered by this job. format: int64

itemIdLong (optional)

Integer

links (optional)

array[Link]

logFile (optional)

String This attribute specifies the log file of this job.

message (optional)

String This attribute specifies the output summary for savegrp spawned jobs.

name (optional)

String This attribute specifies the name of this job.

ndmp (optional)

Boolean This attribute indicates whether the job is related to NDMP.

parentJobId (optional)

Long This attribute specifies the ID of parent of this job. format: int64

previousJobId (optional)

Long This attribute specifies the previous ID of this job if this is a restarted job. If the job is not restarted, the attribute specifies the value 0. format: int64

progress (optional)

String This attribute specifies the activity progress summary as total/successful/failed.

recoverAppltemStatus (optional)

String This attribute specifies the status of recover app item.

rootParentJobId (optional)

Long This attribute specifies the ID of root parent of this job. format: int64

runOnHost (optional)

String This attribute specifies the name of the machine on which to start this job.

saveSetId (optional)

String This attribute specifies the save set ID for this job.

siblingJobIds (optional)

array[Long] This attribute specifies the IDs of siblings of this job. The expansion job expands the job into several smaller jobs called siblings.
format: int64

startTime (optional)

Date This attribute specifies the date and time when this job was started. format: date-time

state (optional)

String This attribute specifies the current (or last known) state of this job.

Enum:

Unknown

Created

Queued

Started

Active

SessionActive

Cancelled

Completed

stopped (optional)

Boolean This attribute specifies whether the job is completed or cancelled.

tenant (optional)

String This attribute specifies the restricted data zone to which this resource belongs.

terminationReason (optional)

String This attribute specifies the reason for terminating this job.

type (optional)

String This attribute specifies the type of job.

missedClients (optional)

array[String] This attribute specifies the list of missed clients during backup.

disabledClients (optional)

array[String] This attribute specifies the list of clients that were disabled in this group run.

completionReport (optional)

String This attribute specifies the completion report of this job.

vProxyErrorMessages (optional)

array[String] This attribute specifies the list of errors and messages from vProxy.

vProxyFlrAgentInstallRequired (optional)

Boolean This attribute indicates whether a mount state target VM installation is required.

vProxyHostname (optional)

String This attribute specifies the vProxy hostname.

vProxyMountSessionId (optional)

String This attribute specifies the vProxy mount session ID.

vProxyMountState (optional)

String This attribute specifies the vProxy mount state.

vProxyMountTargetVmInvalidAdminUser (optional)

Boolean

vProxyMountTargetVmInvalidUser (optional)

Boolean

vProxyMountTargetVmMoref (optional)

String This attribute specifies the target VM Management Object Reference ID.

vProxyMountTargetVmName (optional)

String This attribute specifies the target VM name.

vProxyMountTargetVmUserId (optional)

String This attribute specifies the target VM user ID.

vProxyMountVCenterHostname (optional)

String This attribute specifies the vCenter hostname.

vProxyInspectDescriptor (optional)

String This attribute specifies the inspect backup descriptor.

vProxyRecoverSessionId (optional)

String This attribute specifies the FLR recover session ID.

JobIndication

catalogId (optional)

String This attribute specifies the job indication catalog identifier.

jobId (optional)

Long This attribute specifies the job ID of the job that generated this indication. format: int64

links (optional)

array[Link]

message (optional)

String This attribute specifies the message string (translated at source).

messageCatalogNumber (optional)

String This attribute specifies the message catalog number.

messageId (optional)

String This attribute specifies the message ID (unique identifier).

originComponent (optional)

String This attribute specifies the tag of the NetWorker component that generated this indication, such as save or nsrclone.

severity (optional)

String This attribute specifies the severity of this indication.

Enum:

Invalid

Debug

Information

Notice

Warning

Intervention

Error

Severe

Critical

Alert

Emergency

tenant (optional)

String This attribute specifies the restricted data zone to which this resource belongs.

timestamp (optional)

Date This attribute specifies the time at which this indication was received. format: date-time

JobIndicationList

count (optional)

Integer This attribute specifies the number of job indications. format: int32

jobIndications (optional)

array[JobIndication]

links (optional)

array[Link]

JobList

count (optional)

Integer This attribute specifies the number of jobs. format: int32

jobs (optional)

array[Job]

links (optional)

array[Link]

JobOpCancel

reason (optional)

String This attribute specifies the reason for terminating this job.

timeoutInSec (optional)

Integer This attribute specifies the timeout in seconds. format: int32

Label

This resource describes the templates used to generate volume labels.

comment (optional)

String This attribute is provided for the administrator to keep any explanatory remarks or supplementary information about the label.

Integer This attribute specifies the number of labels. format: int32

labels (optional)

array[Label]

links (optional)

array[Link]

License

name (optional)

String This attribute specifies the name of the license.

comment (optional)

String This attribute specifies the comment for the license.

enablerCode (optional)

String This attribute specifies an enabler code which is a unique code that activates the software. This is also called an enabler key or license enabler.

hostId (optional)

String This attribute specifies the host identifier of the license.

expirationDate (optional)

String This attribute specifies the expiration date of the license.

authCode (optional)

String This attribute specifies the authorization code, which is a unique code that operates with an associated enabler code. This code is used to unlock the software for permanent use on a specific host computer.

licenseType (optional)

String This attribute specifies the type of the license.

resourceId (optional)

ResourceId

LicenseList

count (optional)

Integer This attribute specifies the number of licenses. format: int32

licenses (optional)

array[License]

links (optional)

array[Link]

Link

This entity is the key HATEOAS component that links a completed call with a subsequent call and hence makes the API explorable.

href (optional)

String This attribute contains the fully qualified URL, to use in combination with the HTTP method. Use the method POST, if the URL ends with a pattern /op/. Otherwise, the default method is GET.

id (optional)

String This attribute specifies the ID of the link. ID is an optional attribute.

rel (optional)

String This attribute specifies the link relation, which allows the user agent to understand the meaning of the available state transitions in a REST system.

Enum:

create-form

item

related

title (optional)

String This attribute describes this link. It can serve as a means to navigate to a related resource or to perform an action on this resource.

LinkList

items (optional)

[array\[Link\]](#)

LocalAgent

arch (optional)

[String](#) This attribute specifies the architecture of local agent.

authMethod (optional)

[String](#) This attribute specifies the authentication method.

clientOsType (optional)

[String](#) This attribute specifies the client OS type.

connectionEncryption (optional)

[Boolean](#) This attribute specifies whether encryption is supported for local agent.

cpuType (optional)

[String](#) This attribute specifies CPU type of local agent.

ipAddress (optional)

[String](#) This attribute specifies the IP address of local agent.

kernelArch (optional)

[String](#) This attribute specifies the kernel architecture of local agent.

machineType (optional)

[String](#) This attribute specifies the machine type of local agent.

name (optional)

[String](#) This attribute specifies the name of local agent.

networkerVersion (optional)

[String](#) This attribute specifies the NetWorker version of local agent.

nrsnmdVersion (optional)

[String](#) This attribute specifies the nrsnmd version of local agent.

os (optional)

String This attribute specifies the operating system of local agent.

`LocalAgentList`

count (optional)

Integer This attribute specifies the number of local agents. format:
int32

localAgents (optional)

array[LocalAgent] This attribute contains the information about the local agents.

`Lockbox`

administrator (optional)

array[String] This attribute specifies a list of users and hosts.

client (optional)

String This attribute specifies the remote hostname.

externalRoles (optional)

array[String] Enter the roles from the enterprise's external LDAP v1.3 compliant repository. To indicate an LDAP role group, precede the name with an ampersand (&).

hostname (optional)

String This attribute specifies the hostname.

name (optional)

String This attribute specifies a symbolic name that uniquely identifies the NetWorker lockbox.

users (optional)

array[String] This attribute specifies the users or groups in this user group.

resourceId (optional)

ResourceId

LockboxList

count (optional)

Integer This attribute specifies the number of lockbox instances.
format: int32

links (optional)

array[Link]

lockboxes (optional)

array[Lockbox] This attribute contains information about the lockbox.

LockboxPayload

client (optional)

String This attribute specifies the remote hostname.

externalRoles (optional)

array[String] Enter the roles from the enterprise's external LDAP v1.3 compliant repository. To indicate an LDAP role group, precede the name with an ampersand (&).

name

String This attribute specifies a symbolic name that uniquely identifies the NetWorker lockbox.

users (optional)

array[String] This attribute specifies the users or groups in this user group.

NASDevice

comment (optional)

String This attribute specifies a user-defined description of this NAS device or other explanatory remarks.

links (optional)

array[Link]

name (optional)

String This attribute specifies the name of the NAS device. Note: You cannot change the name after the NAS device is created. If needed, delete the NAS device and create a new NAS device.

nasDeviceManagementName (optional)

String This attribute specifies the management name of the NAS device.

nasManagementPassword (optional)

String This password is used to perform management actions on a NAS device.

nasManagementUser (optional)

String This user is used to perform management actions on a NAS device.

resourceId (optional)

ResourceId

NASDeviceList

count (optional)

Integer This attribute specifies the number of NAS devices. format: int32

nasDevices (optional)

array[NASDevice] This attribute contains the information about the NAS devices.

links (optional)

array[Link]

NotFoundErrorResponse

The server did not find the resource that matches the requested URI. Either the URI is incorrect or the resource is not available anymore.

message (optional)

String This attribute describes the error scenario.

status (optional)

HttpStatus

timestamp (optional)

Date This attribute specifies the timestamp of the error. format: date-time

userAgentRequest (optional)

HttpRequest

version (optional)

String This attribute specifies the version of the NetWorker server.

Notification

action (optional)

String This attribute specifies the command to be run in response to a class of events and priorities defined in this notification.

additionalEmailRecipient (optional)

String This attribute specifies one or more email addresses of the intended recipients to be posted on occurrence of the events defined in the notification. Use a comma to separate multiple email addresses.

comment (optional)

String This attribute specifies the user-defined description or other explanatory remarks.

enabled (optional)

Boolean This attribute indicates whether an email is sent to Dell EMC Customer Support on occurrence of the events defined in the notification. This attribute applies only to mail home notifications.

events (optional)

array[String] This attribute specifies the class of events for which the defined action is taken. More than one class may be specified.

Enum:

links (optional)

array[Link]

name (optional)

String This attribute specifies the name of the notification assigned by the administrator.

priorities (optional)

array[String] This attribute specifies the priorities for taking action. More than one priority may be specified.

Enum:

resourceId (optional)

ResourceId

NotificationList

count (optional)

Integer This attribute specifies the number of notifications. format: int32

links (optional)

array[Link]

notifications (optional)

array[Notification] This attribute contains information about the notifications.

Policy

allowManualSaves (optional)

Boolean

applyEntireWorkflow (optional)

Boolean

comment (optional)

String A user-specified description of this data protection policy.

links (optional)

array[Link]

name (optional)

String This attribute specifies the name of the data protection policy.

resourceId (optional)

ResourceId

summaryNotification (optional)

PolicyNotification

policyProtectionEnable (optional)

Boolean

policyProtectionPeriod (optional)

String

tenant (optional)

String This attribute specifies the tenant name for the identity provider configuration in the NetWorker Authentication Service database. Use this argument in multi-tenant configurations to identify the tenant hierarchy from which NetWorker Authentication Service should select the specified domain to verify the user credentials. When you omit the tenant name, NetWorker Authentication Service uses the default tenant hierarchy.

workflows (optional)

array[PolicyWorkflow] This attribute specifies one or more workflows. Each workflow contains a sequence of actions that NetWorker uses to protect the data.

PolicyAction

Policy actions are the physical units executing the underlying operations, such as probe, backup, and clone.

actionReferSchedule (optional)

String This attribute specifies the name of the schedule.

actionSpecificData (optional)

PolicyActionSpecificData

actionStartTime (optional)

String This attribute specifies the start time of the action in the format hh:mm or +hh:mm, where hh:mm is the absolute time and defines when the action will start. +hh:mm is the relative time and indicates that the action will start in hh hours and mm minutes after the start of the workflow.

comment (optional)

String This attribute specifies the user-specified description or other explanatory remarks.

completionNotification (optional)

PolicyNotification

concurrent (optional)

Boolean This attribute specifies if the action is concurrent.

customTags (optional)

array[String] This attribute specifies the custom tags.

drivenBy (optional)

String This attribute specifies the action that drives this action.

disableActionStartTime (optional)

Boolean This attribute specifies the disablement of action start time.

enabled (optional)

Boolean This attribute indicates whether the action is enabled.

failureImpact (optional)

String This attribute specifies what to do when an action fails. The value can be continue, abort workflow, or abort action.

Enum:

Continue

AbortAction

AbortWorkflow

hardLimit (optional)

String Specifies the hours and minutes after the action starts to begin terminating all activities.

inactivityTimeoutInMin (optional)

Integer This attribute specifies how long an action remains inactive in minutes before terminating itself. format: int32

name (optional)

String This attribute specifies the action name.

newName (optional)

String This attribute specifies the new name for the action.

parallelism (optional)

Integer This attribute specifies how many concurrent activities an action can undertake. format: int32

retries (optional)

Integer This attribute specifies how many times the action can retry. format: int32

retryDelayInSec (optional)

Integer This attribute specifies how long to delay in seconds before retrying after a failure. format: int32

scheduleActivities (optional)

array[String] This attribute specifies action schedule, as an array of items that may include full, incr, incr_synth_full, txnlog (logs only), exec, or skip.

scheduleComment (optional)

String This attribute specifies the comment on the schedule.

scheduleOverrides (optional)

array[String] This attribute specifies the action schedule override. Multiple action day pairs.

schedulePeriod (optional)

String This attribute specifies length of the schedule period for this action's schedule. The period can be "week" or "month".

Enum:

Week

Month

softLimit (optional)

String This attribute specifies the hours and minutes after the action starts, to prevent the starting of new activities.

workItemFilter (optional)

PolicyActionWorkItemFilter

PolicyActionBackup

backupSpecificData (optional)

PolicyActionBackupSpecificData

clientOverride (optional)

String This attribute specifies the client override behavior from the predefined list.

Enum:

ClientCanNotOverride

ClientCanOverride

LegacyBackupRules

destinationStorageNodes (optional)

array[String] This attribute specifies the destination storage node name.

overrideBackupSchedule (optional)

Boolean This attribute specifies whether to override backup schedule.

overrideRetentionPeriod (optional)

Boolean This attribute specifies whether to override backup retention period.

retentionPeriod (optional)

[String](#) This attribute specifies the retention period of the backup data.

successThreshold (optional)

[String](#) This attribute specifies the backup action child success/failure level to its failure number.

Enum:

Warning

Success

PolicyActionBackupSnapshot

destinationPool (optional)

[String](#) This attribute specifies the name of the destination pool.

forceBackupLevel (optional)

[String](#) This attribute specifies the backup level.

minimumRetentionPeriod (optional)

[String](#) This attribute specifies the minimum retention period of a backup.

PolicyActionBackupSpecificData

One and only one of those properties can be present at any time

snapshot (optional)

[PolicyActionBackupSnapshot](#)

traditional (optional)

[PolicyActionBackupTraditional](#)

vmware (optional)

[PolicyActionBackupVMwareVba](#)

vmwareVProxy (optional)

[PolicyActionBackupVMwareVProxy](#)

PolicyActionBackupTraditional

enableDDRRetentionLock (optional)

Boolean This attribute specifies whether to enable Data Domain retention lock. Retention locking prevents any modification or deletion of files under retention from occurring directly on Data Domain share(s) during the retention period time.

ddRetentionLockTime (optional)

String This attribute specifies Data Domain retention lock time. This attribute is applicable if Data Domain retention lock is enabled.

destinationPool (optional)

String This attribute specifies the name of the destination pool.

estimate (optional)

Boolean This attribute specifies whether an estimate is given for the amount of data which will be generated by each save set before performing the backup.

forceBackupLevel (optional)

String This attribute specifies the backup level.

fileInactivityAlertThresholdPercentage (optional)

Integer This attribute specifies the file inactivity threshold percentage.
format: int32

fileInactivityThresholdInDays (optional)

Integer This attribute specifies the file inactivity threshold in days.
format: int32

revertToFullWhenSyntheticFullFails (optional)

Boolean This attribute specifies whether a failed synthetic full backup reverts to a regular full backup.

timestampFormat (optional)

String This attribute specifies the timestamp format.

Enum:

None

ISO

Unix

verifySyntheticFull (optional)

Boolean This attribute specifies whether synthetic full backups are verified.

PolicyActionBackupVMwareVProxy

destinationPool (optional)

String

proxyName (optional)

String This attribute specifies the name of a vProxy for the VMware backup to use.

appConsistentQuiesce (optional)

String This attribute can be used to enable the quiesce mode.

Enum:

Basic

Advanced

None

transactionLogBackup (optional)

Boolean

quiesceTimeoutInMinutes (optional)

Integer This attribute specifies the timeout in minutes for quiescing.

quiesceSystemAdminUsername (optional)

String This attribute specifies the quiesce system administrator user.

quiesceSystemAdminPassword (optional)

String This attribute specifies the quiesce system administrator password.

enableDDRRetentionLock (optional)

Boolean This attribute specifies whether to enable Data Domain retention lock. Retention locking prevents any modification or deletion of files under retention from occurring directly on Data Domain share(s) during the retention period time.

ddRetentionLockTime (optional)

String This attribute specifies Data Domain retention lock time. This attribute is applicable if Data Domain retention lock is enabled.

PolicyActionBackupVMwareVba

destinationPool (optional)

String

saveType (optional)

String PolicyVbaSaveType

Enum:

VMDK

VirtualMachine

useVbaInternalStorage (optional)

Boolean

vbaName (optional)

String This attribute specifies the name of a VBA for the VMware backup to use.

PolicyActionCheckConnectivity

checkAllClientsConnectivityEnabled (optional)

Boolean This attribute specifies connectivity options. Set this attribute to true if the connectivity action is successful when the all the client connectivity checks succeed. Set this attribute to false if the connectivity action is successful when one or more client connectivity checks succeed.

PolicyActionClone

enableDDRRetentionLock (optional)

Boolean This attribute specifies whether to enable Data Domain retention lock. Retention locking prevents any modification or deletion of files under retention from occurring directly on Data Domain share(s) during the retention period time.

ddRetentionLockTime (optional)

String This attribute specifies Data Domain retention lock time. This attribute is applicable if Data Domain retention lock is enabled.

deleteSource (optional)

Boolean This attribute specifies whether the source must be deleted.

destinationPool (optional)

String This attribute specifies the name of the destination pool.

destinationStorageNode (optional)

String This attribute specifies the destination storage node name.

retentionPeriod (optional)

String This attribute specifies the backup retention period in a format understood by `nsr_getdate`.

sourceStorageNode (optional)

String This attribute specifies the storage node name.

`PolicyActionDiscover`

discoverType (optional)

String This attribute specifies the discover type.

Enum:

NAS snapshot

`PolicyActionExpire`

`PolicyActionGenerateIndex`

generateIndexType (optional)

String This attribute specifies the index type.

Enum:

NAS snapshot

PolicyActionProbe

allProbsMustSucceed (optional)

Boolean This attribute specifies whether or not all probes must succeed.

maxBackupIntervallnDays (optional)

Integer This attribute specifies the maximum backup interval in days.
format: int32

PolicyActionServerBackup

destinationPool (optional)

String This attribute specifies the destination pool.

destinationStorageNode (optional)

String This attribute specifies the destination storage node.

performBootstrap (optional)

Boolean This attribute specifies whether to perform bootstrap.

performClientFileIndexing (optional)

Boolean This attribute specifies whether to perform client file indexing.

retentionPeriod (optional)

String This attribute specifies the retention period of the backup data.

enableDDRRetentionLock (optional)

Boolean

ddRetentionLockTime (optional)

String

PolicyActionSettingOverride

This attribute specifies the override attribute values to run the action.

action

String This attribute specifies the action.

commandLineArguments

String This attribute specifies the command line arguments.

PolicyActionSpecificData

One and only one of those properties can be present at any time

backup (optional)

PolicyActionBackup

testConnectivity (optional)

PolicyActionCheckConnectivity

clone (optional)

PolicyActionClone

discover (optional)

PolicyActionDiscover

expire (optional)

PolicyActionExpire

generateIndex (optional)

PolicyActionGenerateIndex

probe (optional)

PolicyActionProbe

serverBackup (optional)

PolicyActionServerBackup

vbaCheckpointBackup (optional)

PolicyActionVbaCheckpointBackup

vbaCheckpointDiscover (optional)

PolicyActionVbaCheckpointDiscover

PolicyActionVbaCheckpointBackup

destinationPool (optional)

[String](#)

retentionPeriod (optional)

[String](#) This attribute specifies the retention period of the backup data.

PolicyActionVbaCheckpointDiscover

PolicyActionWorkItemFilter

clients (optional)

[array\[String\]](#) This attribute contains the list of clients.

levels (optional)

[array\[String\]](#) This attribute contains the list of backup levels.

saveSetTypes (optional)

[array\[String\]](#) This attribute contains the list of save set types.

timeRangeEnd (optional)

[Date](#) This attribute specifies end time. format: date-time

timeRangeStart (optional)

[Date](#) This attribute specifies start time. format: date-time

excludeClient (optional)

[String](#) This attribute specifies the save set eligibility criteria to be based on the defined clients.

Enum:

true

false

none

excludeLevel (optional)

String This attribute specifies the save set eligibility criteria to be based on the defined levels.

Enum:

true

false

none

excludeTimeRange (optional)

String This attribute specifies the save set eligibility criteria to be based on the defined time range.

Enum:

true

false

none

excludeSaveSetType (optional)

String This attribute specifies the save set eligibility criteria to be based on the defined save set types.

Enum:

true

false

none

PolicyList

count (optional)

Integer This attribute specifies the number of policies. format: int32

links (optional)

array[Link]

protectionPolicies (optional)

[array\[Policy\]](#) This attribute contains information about a list of policies.

PolicyNotification

command (optional)

[String](#) This attribute specifies the command to be executed.

executeOn (optional)

[String](#) This attribute specifies the trigger point for the notification.

Enum:

Completion

Failure

Ignore

PolicyWorkflow

Workflow specifies how the backup or restore activity is controlled. The activity can include putting the application in backup mode, deciding which data is backed up at what time, and so on. Workflow is composed of a sequence of actions, which are physical units that perform underlying operations, such as probe, backup, and clone.

actions (optional)

[array\[PolicyAction\]](#) Workflow is composed of a sequence of actions.

autoStartEnabled (optional)

[Boolean](#) This attribute specifies if the workflow starts automatically.

comment (optional)

[String](#) This attribute adds the user comment on the workflow.

completionNotification (optional)

[PolicyNotification](#)

description (optional)

[String](#) This attribute specifies the workflow description.

enabled (optional)

Boolean This attribute specifies if the workflow is enabled.

endTime (optional)

String This attribute specifies the end time of the workflow operation.

links (optional)

array[Link]

name (optional)

String This attribute specifies the current workflow name under the policy.

newName (optional)

String This attribute specifies the new name for the workflow.

nextStartDate (optional)

Date This attribute specifies the next start date. format: date-time

protectionGroups (optional)

array[String] This attribute specifies the name of a group with which the workflow is associated.

restartTimeWindow (optional)

String This attribute specifies the maximum grace period from start time to restart of a failed workflow.

startInterval (optional)

String This attribute specifies the time interval of the workflow operation.

startTime (optional)

String This attribute specifies the start time of the workflow operation.

PolicyWorkflowList

count (optional)

Integer This attribute specifies the number of workflows. format: int32

links (optional)

[array\[Link\]](#)

workflows (optional)

[array\[PolicyWorkflow\]](#) This attribute contains the list of workflows.

PolicyWorkflowOpBackup

actionOverrides (optional)

[array\[PolicyActionSettingOverride\]](#)

clients (optional)

[array\[String\]](#) This attribute specifies the list of clients to perform all the actions in the workflow.

restart (optional)

[Boolean](#) This attribute specifies whether to restart a failed workflow.

vmwareWorkItemSelection (optional)

[VMwareWorkItemSelection](#)

Pool

autoMediaVerify (optional)

[Boolean](#) This attribute specifies that automated verification is performed while data is being written to a volume from this pool.

barcodePrefix (optional)

[String](#) This attribute specifies the barcode prefix to select for this pool.

comment (optional)

[String](#) This attribute specifies the user-specified description of this pool or other explanatory remarks.

createDltWorm (optional)

[Boolean](#) This attribute specifies whether DLTWORM tapes can be created.

devices (optional)

array[String] This attribute specifies the devices on which the volumes can be mounted.

enabled (optional)

Boolean This attribute specifies whether this pool can be selected.

labelTemplate (optional)

String This attribute specifies the template to use for labeling the volumes in this pool.

links (optional)

array[Link]

maxParallelism (optional)

Integer This attribute specifies the maximum parallel sessions per device allowed for backups to this pool. format: int32

maxVolumesToRecycle (optional)

Integer This attribute specifies the maximum number of volumes to be recycled. format: int32

mediaTypeRequired (optional)

String This attribute specifies that only media of this type can be labeled into this pool. This attribute cannot be set if the media type preference attribute is set. This attribute cannot be used to specify the capacity of the media.

Enum:

Data Domain

DD Cloud Tier

protectpoint

objstr

Atmos COS

adv_file

Cloud Boost

file

logical

Auto Detected

LTO Ultrium-8

LTO Ultrium-7

LTO Ultrium-6

LTO Ultrium-5

LTO Ultrium-4

LTO Ultrium-3

LTO Ultrium-2

LTO Ultrium

LTO Accelis

TS1140

TS1130

TS1120

T10000D

T10000C

T10000B

T10000

9940B

9940

9840D

9840C

9840b

9840

9490

4890

3592

3590

3570

3480

optical

dtf2

dtf

dst

dst (NT)

VXA-320

VXA-172

VXA-2

VXA

sdl600

sdl320

sdl

dlt-v4

dlt-s4

dlt 20GB

dlt vs160

dlt8000

dlt7000

dlt1

dlt

tzs20

tz90

tz89

tz88

tz87

tz86

tz85

tkz90

tk70

tk50

4mm DAT160

4mm DAT72

4mm 20GB

4mm 12GB

4mm 8GB

4mm 4GB

4mm

8mm Mammoth-3

8mm Mammoth-2

SAIT-2

SAIT-1

8mm AIT-5

8mm AIT-4

8mm AIT-3

8mm AIT-2

8mm AIT

8mm 20GB

8mm 7GB

8mm 5GB

8mm

SD3

SLR

qic

travan10

generic256

generic128

generic

CentricStor

vhs

himt

name (optional)

String This attribute specifies the name of the pool.

poolType (optional)

String This attribute determines how volumes that are members of this pool will be used.

Enum:

Backup

BackupClone

Archive

ArchiveClone

`recycleFromOtherPools` (optional)

Boolean This attribute determines whether this pool can recycle volumes from other pools.

`recycleInterval` (optional)

String This attribute specifies the frequency of recycling runs. The default value is 24:00, which means that recycling runs once a day.

`recycleStart` (optional)

String This attribute specifies the time to start recycling (HH:MM).

`recycleToOtherPools` (optional)

Boolean This attribute determines whether recyclable volumes can be used by other pools.

`resourceId` (optional)

ResourceId

`storeIndexEntries` (optional)

Boolean This attribute specifies the file index entries that are generated for this pool.

`tenant` (optional)

String This attribute specifies the restricted data zone to which this resource belongs.

`volumeTypePreference` (optional)

String This attribute specifies the preferred media type, which is used as a selection factor when a request is made for a writable volume. The preferred type will be considered first within a priority level (jukebox/standalone device). This attribute cannot be set if the media type required attribute is set. This attribute cannot be used to specify the capacity of the media.

Enum:

Data Domain

DD Cloud Tier

protectpoint

objstr

Atmos COS

adv_file

Cloud Boost

file

logical

Auto Detected

LTO Ultrium-8

LTO Ultrium-7

LTO Ultrium-6

LTO Ultrium-5

LTO Ultrium-4

LTO Ultrium-3

LTO Ultrium-2

LTO Ultrium

LTO Accelis

TS1140

TS1130

TS1120

T10000D

T10000C

T10000B

T10000

9940B

9940

9840D

9840C

9840b

9840

9490

4890

3592

3590

3570

3480

optical

dtf2

dtf

dst

dst (NT)

VXA-320

VXA-172

VXA-2

VXA

sdl600

sdl320

sdl

dlt-v4

dlt-s4

dlt 20GB

dlt vs160

dlt8000

dlt7000

dlt1

dlt

tzs20

tz90

tz89

tz88

tz87

tz86

tz85

tkz90

tk70

tk50

4mm DAT160

4mm DAT72

4mm 20GB

4mm 12GB

4mm 8GB

4mm 4GB

4mm

8mm Mammoth-3

8mm Mammoth-2

SAIT-2

SAIT-1

8mm AIT-5

8mm AIT-4

8mm AIT-3

8mm AIT-2

8mm AIT

8mm 20GB

8mm 7GB

8mm 5GB

8mm

SD3

SLR

qic

travan10

generic256

generic128

generic

CentricStor

vhs

himt

wormPool (optional)

Boolean This attribute specifies whether the pool will use WORM tapes (and only WORM tapes). Only tape drives that are WORM capable can be assigned to WORM pools.

PoolList

count (optional)

[Integer](#) This attribute specifies the number of pools. format: int32

links (optional)

[array\[Link\]](#)

pools (optional)

[array\[Pool\]](#) This attribute contains information about the pools.

Probe

commandOptions (optional)

[String](#) This attribute specifies probe configuration information.

comment (optional)

[String](#) This attribute specifies any user-defined description for the probe.

links (optional)

[array\[Link\]](#)

name (optional)

[String](#) This attribute specifies the name of the probe.

probeCommand (optional)

[String](#) This attribute specifies the command to be run as part of the probe. The value must not include a path and must start with the prefix 'save' or 'nsr'.

resourceId (optional)

[ResourceId](#)

ProbeList

count (optional)

[Integer](#) This attribute specifies the number of probes. format: int32

links (optional)

[array\[Link\]](#)

probes (optional)

[array\[Probe\]](#) This attribute contains information about the probes.

ProtectionGroup

comment (optional)

[String](#) This attribute specifies any user-specified description or other explanatory remarks.

links (optional)

[array\[Link\]](#)

name (optional)

[String](#) This attribute specifies the unique name of the protection group.

resourceId (optional)

[ResourceId](#)

tenant (optional)

[String](#) This attribute specifies the associated Restricted Data Zone (RDZ).

workItemQueries (optional)

[array\[String\]](#) This attribute specifies the query to fetch the resources at runtime. All the resources resulting from this query are protected by this group. The nsrpolicy man page provides details on the options used to create the query type group.

workItemSource (optional)

[String](#) This attribute specifies the work item source type. This value can be either static or dynamic. The static keyword specifies to protect resources specified in the work item. The dynamic keyword specifies to fetch the resources on a run time basis, based on inputs provided in the work item.

Enum:

Static

Dynamic

workItemSubType (optional)

String This attribute specifies the work item subtype, if any. This is applicable for VMware work item type. Valid values are VirtualMachine or VMDK. The protection group can protect data with either VMDK or VirtualMachine but not both.

Enum:

VirtualMachine

VMDK

All

None

workItemType (optional)

String This attribute specifies the work item type. The type of work item is decided based on the combination of work item source and work item type.

Enum:

Client

SaveSetId

VMware

NASDevice

workItems (optional)

array[String] This attribute specifies the list of work items.

vmwareWorkItemSelection (optional)

VMwareWorkItemSelection

vmwareWorkItemExclusion (optional)

VMwareWorkItemSelection

rule (optional)

String This attribute specifies the name of the rule.

backupOptimization (optional)

String This attribute specifies whether backup optimization must be performed based on capacity or performance.

Enum:

Capacity

Performance

dynamicAssociation (optional)

Boolean This attribute enables the dynamic association.

ProtectionGroupList

count (optional)

Integer This attribute specifies the number of protection groups.
format: int32

links (optional)

array[Link]

protectionGroups (optional)

array[ProtectionGroup] This attribute specifies the information about the protection groups.

Recover

recoveryType (optional)

String This attribute specifies the type of recovery.

Enum:

Filesystem

BBB

NDMP

VM File Level Recover

recoveryDestination (optional)

String This attribute specifies the destination location to which the recovery is performed, as the directory pathname of the file system, NDMP backup, or block based backup.

itemsToRecover (optional)

array[String] This attribute specifies the list of items to be recovered. For a file system, NDMP backup, or block based backup, specifies the list of full file pathnames.

destinationClientResID (optional)

String This attribute specifies the destination client ID of the remote machine to direct the recovery. The client ID can be obtained from URI /global/clients. If destination client ID is not provided, the client information from the backup instance is considered for recovery.

backupInstance (optional)

RecoverBackupInstance

timeStampBasedGranularRecover (optional)

TimeStampBasedGranularRecover

actionForDuplicateItems (optional)

String This attribute specifies the action to perform during recovery of the files that are already present at the recovery location.

Enum:

Rename

Overwrite

Skip

targetVolume (optional)

String This attribute specifies the target volume to use for the image level recovery of block based backups.

poolForStaging (optional)

String This attribute specifies the pool for staging that is used for Client Direct disabled devices. Currently used for block based backups.

passphrase (optional)

array[String] This attribute specifies the additional passphrase to use for recovery of files that were backed up by using the AES directive.

recoveryStartTime (optional)

String This attribute specifies the time when the recovery started on the NetWorker server. Not supported for an HTTP-POST request.

namespace (optional)

String This attribute specifies the file index namespace from which to recover the files.

Enum:

backup

archive

bbb

NDMPOptions (optional)

RecoverNDMPOptions

links (optional)

array[Link]

resourceId (optional)

ResourceId

RecoverBackupInstance

This attribute specifies the backup instance ID and optional clone ID to identify the backup for recovery.

backupID (optional)

String This attribute specifies the instance backup ID, as either a long ID or short ID. For the HTTP-POST request, the instance backup ID can be retrieved from URI /global/backups.

instanceID (optional)

String This attribute specifies the instance ID. For the HTTP-POST request, the instance ID can be retrieved from URI /global/backups.

RecoverList

count (optional)

Integer This attribute specifies the number of recover resources.
format: int32

recovers (optional)

array[Recover] This attribute contains information about the recover resources.

RecoverNDMPOptions

This attribute specifies NDMP recovery options. This attribute is supported for NDMP recovery only.

verifyIndexDB (optional)

Boolean This attribute specifies whether to verify the existence of files in the index database. By default, the files are verified in the index database prior to recovery.

useIPv4 (optional)

Boolean This attribute specifies to use the IPv4 addresses for the NDMP data connection during recovery.

RemoteAgent

backupType (optional)

String This attribute specifies the backup type used by remote agent.

features (optional)

array[String] This attribute specifies the features available for remote agent.

hostname (optional)

String This attribute specifies the client hostname of remote agent.

name (optional)

String This attribute specifies the name of remote agent.

protocolVersion (optional)

String This attribute specifies the protocol version of remote agent.

resourceId (optional)

ResourceId

RemoteAgentList

count (optional)

Integer This attribute specifies the number of remote agents. format: int32

remoteAgents (optional)

array[RemoteAgent] This attribute contains the information about the remote agents.

ResourceId

The entity represents the unique identifier for a given resource type. It represents the resource identifier field in nsradmin program, for example, '70.0.77.10.0.0.0.0.208.36.124.87.128.222.109.22(1)

id (optional)

String This attribute specifies the unique identifier for the associated resource.

sequence (optional)

Long This attribute specifies the sequencing. format: int64

Rule

dataSourceType (optional)

String This attribute specifies the type of data source.

Enum:

VMware

MSSQL

comment (optional)

String This attribute specifies any user-defined description for the rule.

definitions (optional)

array[RuleItemDefinition] This attribute contains the rule item definitions.

links (optional)

[array\[Link\]](#)

name (optional)

[String](#) This attribute specifies the name of the rule.

matchType (optional)

[String](#) This attribute specifies the match criteria from the list of rule item definitions as any or all.

Enum:

All

Any

resourceId (optional)

[ResourceId](#)

`RuleItemDefinition`

operator (optional)

[String](#) This attribute specifies operator for the rule item. There are a number of operators that can be used in setting up logic conditions. To build a complex logic, regular expression matching operator can be used.

Enum:

Equals

DoesNotEquals

Contains

DoesNotContains

StartsWith

DoesNotStartsWith

EndsWith

DoesNotEndsWith

RegExp

property (optional)

[String](#) This attribute specifies the rule item property from the predefined list.

Enum:

Name

Path

Tag

type (optional)

[String](#) This attribute specifies the type of rule item from the predefined list.

Enum:

VirtualMachine

Cluster

vApp

VmFolder

Datacenter

ResourcePool

Database

value (optional)

[String](#) This attribute specifies the value for the rule creation on which the operator is executed.

`RuleList`

count (optional)

[Integer](#) This attribute specifies the number of rules. format: int32

links (optional)

[array\[Link\]](#)

rules (optional)

[array\[Rule\]](#) This attribute contains information about the rules.

`SAPClientInspect`

type (optional)

[String](#) This attribute specifies the type of the remote agent.

Enum:

Filesystem

SAP HANA

SAPOracle

SmartSnap

Sybase

BBB

debug (optional)

[Integer](#) This attribute specifies the debug level. The valid range is from 0 to 9.

hostname (optional)

[String](#) This attribute specifies the hostname of the client.

saphana (optional)

[SAPClientInstance](#)

isWindows (optional)

[Boolean](#) This attribute specifies if the OS type of the client is Windows.

server (optional)

[String](#) This attribute specifies the NetWorker server.

virtual (optional)

[Boolean](#) This attribute specifies if the client is a virtual setup.

`SAPClientInstance`

instances (optional)

[array\[ClientInstance\]](#)

Schedule

levels (optional)

[array\[String\]](#) This attribute specifies the sequence of save levels making up the schedule. One entry is used for each day of the schedule. The valid levels are "full", "incr", "incr_synth_full", "skip", "txnlog", and the number "1".

Enum:

activityType (optional)

[String](#)

Enum:

Backup

Execute

Server-Backup

Vmware

comment (optional)

[String](#) This attribute is provided for the administrator to keep any explanatory remarks or supplementary information about the schedule.

flag (optional)

[String](#) This read-only attribute specifies whether the schedule is a default or editable schedule.

name (optional)

[String](#) This attribute specifies the schedule's name. The schedule is referred to by its name in client resources.

overrides (optional)

[array\[ScheduleOverride\]](#) This attribute specifies a list of actions and dates overriding the actions specified in the levels attribute. The

format of the override specification is action date. Action must be one of "full", "txnlog", "incr_synth_full", "incr", "skip", or the number "1".

period (optional)

String This attribute specifies the length of the schedule's period. It may be either "Week" or "Month". "Week" schedules repeat every 7 days and start on Sunday. "Month" schedules start over at the first of each month. The default is "Week".

resourceId (optional)

ResourceId

ScheduleList

count (optional)

Integer Number of schedules. format: int32

links (optional)

array[Link]

schedules (optional)

array[Schedule]

ScheduleOverride

level (optional)

String

Enum:

1

full

incr

incr_synth_full

skip

txnlog

exec

date (optional)

[String](#)

pattern (optional)

[String](#)

ServerConfiguration

acceptNewRecoverSessions (optional)

[Boolean](#) This attribute specifies whether the server will accept new recover sessions.

acceptNewSessions (optional)

[Boolean](#) This attribute specifies whether the server will accept new save sessions.

aclPassthrough (optional)

[Boolean](#) This attribute specifies whether the users are allowed to browse the directories with ACLs regardless of permissions.

administrators (optional)

[array\[String\]](#) This attribute specifies the list which contains users or groups that are allowed to add, delete, and update all NetWorker resources.

authenticationProxyPort (optional)

[Integer](#) This attribute specifies the TCP port number of the NetWorker authentication service proxy. format: int32

authenticationServiceDatabase (optional)

[String](#) This attribute specifies the location of the authentication service database.

authenticationServicePort (optional)

[Integer](#) This attribute specifies the TCP port number of the NetWorker authentication service. format: int32

cityOrTown (optional)

[String](#) This attribute specifies part of the address field to which the enabler code should be mailed.

clpLicenseServer (optional)

String This attribute specifies the NSR CLP license server hostname, which is the hostname to connect to the CLP/Flexera license server.

clpLicenseServerPort (optional)

Integer This attribute specifies the NSR CLP license server port, which is the port on which the CLP /Flexera license server is listening.
format: int32

clpRefresh (optional)

String This attribute specifies that the NSR CLP refresh forces any CLP license to be refreshed. It provides a way to force NetWorker to recognize the existence of FLEXlm servers and the possibility of existing update licenses and capacity licenses.

clpSwid (optional)

String This attribute specifies a copy of the SWID (Software ID) for use by other Dell EMC tracking entities.

clpUom (optional)

String This attribute specifies that the NSR CLP UOM, the unit of measure for capacity licenses, is the amount of 'capacity' (in the legacy license sense) requested when a capacity license is checked out from the CLP/ELMS server.

comment (optional)

String This attribute specifies any user-specified description of this server or other explanatory remarks.

company (optional)

String This attribute specifies the name of the company for which the license enabler is issued.

contactName (optional)

String This attribute specifies the name of the individual to contact for license enabler information.

country (optional)

String This attribute specifies part of the address field to which the enabler code should be mailed.

datazonePassPhrase (optional)

String This attribute is used to generate the data zone encryption key for backup and recover operations. If missing, the default passphrase will be used.

deviceSharingMode (optional)

String This attribute specifies the device sharing mode at the server level; used when device sharing mode is not set at storage node level. Refer to man page `nsr_storage_node_resource`.

Enum:

NoSharing

MaximalSharing

ServerDefault

disableRpsClone (optional)

Boolean This attribute is to enable or disable the RPS (Recover Pipe to Save) implementation for clone operations.

emailAddress (optional)

String This attribute specifies part of the information required for printing the license enabler.

fax (optional)

String This attribute specifies part of the information required for printing the license enabler.

jobInactivityTimeout (optional)

Integer This attribute specifies the global setting for the number of minutes since a job has been heard from, after which it will be declared inactive and will be terminated. This setting is enforced by `nsrjobd` and replaces environment variable `NSR_UNRESPONSIVE_JOB_TIMEOUT`. Unlike the group inactivity timeout which applies only to save processes maintaining connection to `nsrmmd`, this timeout applies to all processes throughout runtime. For example, if a save process were to hang in argument processing, group inactivity setting would never trigger its termination. However, if this attribute is set, it will result in terminating such a suspended process after the number of minutes set in this attribute has passed. An empty string or a value of 0 indicates that no such timeout is in effect. format: int32

jobsdbRetentionInHours (optional)

Integer This attribute specifies the minimum time in hours to keep jobs records in the jobs database. format: int32

keepIncompleteBackups (optional)

Boolean This attribute specifies whether backup data from an incomplete/aborted CloudBoost backup must be retained for possible recovery.

licenseServers (optional)

array[String] This attribute specifies list of license servers.

manualSaves (optional)

Boolean This attribute specifies whether the manual saves are allowed to the server.

name (optional)

String This attribute specifies that the name of this NetWorker server is the same as the hostname by default.

nasDevicePolicyAllowed (optional)

Boolean This attribute enables the restricted data zone users to create and update group resources to select NAS device options.

parallelism (optional)

Integer This attribute specifies the number of simultaneous save sessions supported by this server. format: int32

phone (optional)

String This attribute specifies part of the information required for printing the license enabler.

productSerialNumber (optional)

String This attribute specifies the product serial number needed for registration. This number is entered from the product registration form.

publicArchives (optional)

Boolean This attribute specifies whether a user can retrieve archived files that are owned by another user.

purchaseDate (optional)

String This attribute specifies part of the information required for printing the license enabler.

resourceId (optional)

ResourceId

saveSessionDistribution (optional)

String This attribute specifies the threshold for the save session distribution for all clients. The clients will distribute the save sessions to the next storage node in their storage node affinity lists when the overall target sessions or max sessions for all devices on the current storage node is exceeded. Max sessions is the default threshold but the value in the client save session distribution attribute overwrites the max sessions value.

Enum:

MaxSessions

TargetSessions

serverOSType (optional)

String This attribute specifies the server operating system type.

serverTimezone (optional)

String This attribute specifies the server timezone.

siteId (optional)

String This attribute specifies the site ID that is needed for enabling mail the home feature.

solutionId (optional)

String This attribute specifies the solution ID which is a combination of the SWID obtained from the CLP license file and the hostname of the platform on which nsrd is running.

stateOrProvince (optional)

String This attribute specifies the part of the address field to which the enabler code should be mailed.

streetAddress (optional)

String This attribute specifies the address to which the enabler code should be mailed.

supportEmailAddress (optional)

String This attribute specifies the email address of EMC Customer Support, which is required for the mail home feature.

vmwarePolicyAllowed (optional)

Boolean This attribute enables the restricted data zone users to create and update group resources to select VMware options.

vmwsEnable (optional)

Boolean This attribute enables the NetWorker VMware web service daemon, nsrvmsd, which is a module of VMware integrated data protection.

vmwsPort (optional)

Integer This attribute specifies the TCP port number of the NetWorker VMware web service daemon, nsrvmsd. format: int32

vmwsUserName (optional)

String This attribute specifies the case-sensitive username of the NetWorker VMware web service.

vmwsUserPassword (optional)

String This attribute specifies the case-sensitive user password of the NetWorker VMware web service. It is recommended to change the default password for security purposes.

volumePriority (optional)

String This attribute specifies the priority used for selecting the backup volumes. The value assigned to this attribute determines whether volumes in a jukebox, NearLine Priority, or volumes managed by SmartMedia, SmartMedia Priority are considered first.

Enum:

NearLinePriority

SmartMediaPriority

wormPoolsOnlyHoldWormTapes (optional)

Boolean This attribute specifies whether a WORM pool can hold only WORM tapes (if Yes) or can hold any type of volume (if No).

wormTapesOnlyInWormPools (optional)

Boolean This attribute specifies whether a WORM tape can only be labelled into a WORM pool (if Yes) or can be labelled into any pool (if No).

zipOrPostalCode (optional)

String This attribute specifies the part of the address field to which the enabler code should be mailed.

ServerMessage

category (optional)

String This attribute specifies the category the server message belongs to.

id (optional)

String This attribute specifies the server message identifier.

message (optional)

String This attribute is a list of concise recent general I18N messages about the status of the server.

priority (optional)

String This attribute specifies the priority of the server message.

source (optional)

String This attribute specifies the NetWorker component that generated the message on the server.

timestamp (optional)

Date This attribute specifies the time when the message was generated. format: date-time

ServerMessageList

count (optional)

[Integer](#) This attribute specifies the number of server message resources. format: int32

links (optional)

[array\[Link\]](#)

serverMessages (optional)

[array\[ServerMessage\]](#) This attribute contains a list of server message resources.

ServerStatistics

badRecovers (optional)

[Long](#) This attribute specifies the number of bad recovery operations. format: int64

badSaves (optional)

[Long](#) This attribute specifies the number of bad save operations. format: int64

currentRecovers (optional)

[Long](#) This attribute specifies the number of current recovery operations. format: int64

currentSaves (optional)

[Long](#) This attribute specifies the number of current saving operations. format: int64

links (optional)

[array\[Link\]](#)

maxRecovers (optional)

[Long](#) This attribute specifies the number of maximum recovery operations. format: int64

maxSaves (optional)

[Long](#) This attribute specifies the number of maximum saving operations. format: int64

recoverSize (optional)

Size This attribute specifies the size (in KB) of recovery operations.

recovers (optional)

Long This attribute specifies the total number of recovery operations.
format: int64

saveSize (optional)

Size This attribute specifies the size (in KB) of saving operations.

saves (optional)

Long This attribute specifies the total number of saving operations.
format: int64

upSince (optional)

Date This attribute specifies the server up time. format: date-time

version (optional)

String This attribute specifies the NetWorker server version.

Session

clientHostname (optional)

String This attribute specifies the client hostname.

completed (optional)

Boolean This attribute indicates whether the session is completed.

compressionRatio (optional)

BigDecimal This attribute specifies the compression ratio. format:
int64

device (optional)

String This attribute specifies the compression ratio.

deviceFamily (optional)

String This attribute specifies the device family.

Enum:

Tape

Disk

Cloud

Logical

deviceType (optional)

String This attribute specifies the device type.

Enum:

Data Domain

DD Cloud Tier

protectpoint

objstr

Atmos COS

adv_file

Cloud Boost

file

logical

Auto Detected

LTO Ultrium-8

LTO Ultrium-7

LTO Ultrium-6

LTO Ultrium-5

LTO Ultrium-4

LTO Ultrium-3

LTO Ultrium-2

LTO Ultrium

LTO Accelis

TS1140

TS1130

TS1120

T10000D

T10000C

T10000B

T10000

9940B

9940

9840D

9840C

9840b

9840

9490

4890

3592

3590

3570

3480

optical

dtf2

dtf

dst

dst (NT)

VXA-320

VXA-172

VXA-2

VXA

***sdl*t600**

***sdl*t320**

***sdl*t**

***dlt*-v4**

***dlt*-s4**

***dlt* 20GB**

***dlt* vs160**

***dlt*8000**

***dlt*7000**

***dlt*1**

dlt

***tz*s20**

***tz*90**

***tz*89**

***tz*88**

***tz*87**

***tz*86**

***tz*85**

***tk*z90**

***tk*70**

***tk*50**

4mm DAT160

4mm DAT72

4mm 20GB

4mm 12GB

4mm 8GB

4mm 4GB

4mm

8mm Mammoth-3

8mm Mammoth-2

SAIT-2

SAIT-1

8mm AIT-5

8mm AIT-4

8mm AIT-3

8mm AIT-2

8mm AIT

8mm 20GB

8mm 7GB

8mm 5GB

8mm

SD3

SLR

qic

travan10

generic256

generic128

generic

CentricStor

vhs

himt

endTime (optional)

Date This attribute specifies the session end time. format: date-time

extendedInformation (optional)

String This attribute specifies the extended information about the session.

id (optional)

Integer This attribute specifies the session ID.

itemIdLong (optional)

Long This attribute specifies the long ID for the session. format: int64

jobId (optional)

Long This attribute specifies the associated job ID. format: int64

links (optional)

array[Link]

mode (optional)

String This attribute specifies the session mode.

Enum:

Unknown

Saving

Recovering

Browsing

pool (optional)

String This attribute specifies the associated pool.

protectionGroup (optional)

String This attribute specifies the associated protection group.

rootJobId (optional)

Long This attribute specifies the associated root job ID. format: int64

saveSet (optional)

String This attribute specifies the associated save set.

saveSetId (optional)

String This attribute specifies ID of the associated save set.

size (optional)

Size

startTime (optional)

Date This attribute specifies the session start time. format: date-time

stopped (optional)

Boolean This attribute specifies if the session is stopped.

tenant (optional)

String This attribute specifies the associated Restricted Data Zone (RDZ).

totalRecoverSize (optional)

Size This attribute specifies the total recover size.

totalRecoverVolumesNeeded (optional)

Long This attribute specifies the number of recovery volumes needed. format: int64

transferRate (optional)

BitRate This attribute specifies the transfer rate.

volume (optional)

[String](#) This attribute specifies the associated volume.

SessionList

count (optional)

[Integer](#) This attribute specifies the number of sessions. format: int32

links (optional)

[array\[Link\]](#)

sessions (optional)

[array\[Session\]](#) This attribute contains the information about the sessions.

Size

unit (optional)

[String](#) Unit of measurement in bytes or kilobytes.

Enum:

Byte

KB

value (optional)

[Long](#) format: int64

StorageNode

aftdAllowedDirectories (optional)

[array\[String\]](#) This attribute indicates which base directories are allowed to create an AFTD for a given storage node. It is strongly encouraged to specify the list of an AFTD allowed directories for each storage node to safeguard underlying file system integrity, and control an AFTD backup directories.

cloneStorageNodes (optional)

[array\[String\]](#) This attribute specifies the hostname of the storage nodes to which clone data is written, if the destination storage node for a clone action is not specified in the protection policy.

comment (optional)

String This attribute specifies any user-defined description of this client or other explanatory remarks.

configuredDevices (optional)

array[String] This attribute specifies the devices currently defined for this storage node.

configuredLibraries (optional)

array[String] This attribute specifies the libraries currently defined for this storage node.

configuredLibraryTypes (optional)

array[String] This attribute specifies the type of libraries defined on this storage node.

configuredSilos (optional)

array[String] This attribute specifies the silos currently defined for this storage node.

configuredSiloTypes (optional)

array[String] This attribute specifies the type of silos currently defined for this storage node.

daemonVersions (optional)

array[String] This attribute specifies the storage node daemon versions. Storage node daemons are responsible for NetWorker save and recover media multiplexing operations.

dateOfLastScan (optional)

Date This attribute specifies the date that the auto-detect process was last run. format: date-time

dateOfRegistration (optional)

Date This attribute specifies the date and time when the storage node is registered/created, the date and time when the first device is created on this storage node, or the date and time when the last device configured on it is removed. format: date-time

dedicatedStorageNode (optional)

Boolean This attribute indicates whether this is a dedicated storage node.

deviceSharingMode (optional)

String This attribute specifies the device sharing setting at the storage node level.

Enum:

NoSharing

MaximalSharing

ServerDefault

dynamicNsrmmms (optional)

Boolean This attribute specifies whether nsrmmmd processes on this storage node device are started dynamically.

enabled (optional)

Boolean This attribute specifies whether the storage node is available for use.

lastErrorMessages (optional)

array[String] This attribute specifies the error messages logged by the detection (dvdetect) process during the last time that device auto-detection was run on this storage node.

lastErrorNumber (optional)

Integer This attribute specifies the error number logged by the detection (dvdetect) process during the last time that device auto-detection was run on this storage node. format: int32

links (optional)

array[Link]

maxActiveDevices (optional)

Integer This attribute specifies the maximum number of devices that NetWorker may use from this storage node. format: int32

name (optional)

String This attribute specifies the name of the storage node.

numberOfDevices (optional)

Integer This attribute specifies the count of the devices defined on this storage node. format: int32

numberOfLibraries (optional)

Integer This attribute specifies the count of the libraries defined on this storage node. format: int32

password (optional)

String This attribute specifies the password used to connect to the Network Data Management Protocol (NDMP) server.

ready (optional)

Boolean This attribute specifies whether the storage node is ready to accept device operations.

remoteUser (optional)

String This attribute specifies the username used to connect to the Network Data Management Protocol (NDMP) server.

resourceId (optional)

ResourceId

searchAllLuns (optional)

Boolean This attribute specifies whether to search all the LUNs for every SCSI target.

sharedDeviceCreation (optional)

Boolean This attribute specifies whether to allow the restricted data zone (RDZ) users to create new devices or jukeboxes on the storage node if the storage node is shared. A storage node is shared if it has no RDZ associations.

skipScsiTargets (optional)

Boolean This attribute specifies whether the auto-detect process skips the SCSI targets.

storageNodesConfigured (optional)

Boolean This attribute specifies whether a device has already been configured on this storage node.

tenant (optional)

String This attribute specifies the name of the restricted data zone (RDZ) to which the storage node belongs.

typeOfStorageNode (optional)

String This attribute specifies the storage node type from the predefined list.

Enum:

SCSI

NDMP

SILO

usePersistentNames (optional)

Boolean This attribute indicates whether NetWorker should use any available persistent device names when it searches for tape drives and medium changers.

version (optional)

String This attribute specifies the storage node version.

`StorageNodeList`

count (optional)

Integer This attribute specifies the number of storage nodes. format: int32

links (optional)

array[Link]

storageNodes (optional)

array[StorageNode] This attribute contains information about the storage nodes.

`Tenant`

A tenant represents information about a NetWorker restricted data zone (RDZ).

clientHostnames (optional)

[array\[String\]](#) This attribute specifies the list of associated clients for this restricted data zone.

comment (optional)

[String](#) This attribute specifies the user-defined description of this restricted data zone.

devices (optional)

[array\[String\]](#) This attribute specifies the list of associated directives for this restricted data zone.

directives (optional)

[array\[String\]](#) This attribute specifies the list of directives of this restricted data zone.

externalRoles (optional)

[array\[String\]](#) This attribute specifies the list that contains LDAP users or groups that are in this restricted data zone.

jukeboxes (optional)

[array\[String\]](#) This attribute specifies the list of associated jukeboxes for this restricted data zone.

labels (optional)

[array\[String\]](#) This attribute specifies the list of associated labels for this restricted data zone.

links (optional)

[array\[Link\]](#)

name (optional)

[String](#) This attribute specifies the name of the restricted data zone.

numberOfClients (optional)

Integer This attribute specifies the number of clients that can be configured for this restricted data zone. format: int32

numberOfDevices (optional)

Integer This attribute specifies the number of devices that can be configured for this restricted data zone. format: int32

numberOfJukeboxes (optional)

Integer This attribute specifies the number of jukeboxes that can be configured for this restricted data zone. format: int32

numberOfStorageNodes (optional)

Integer This attribute specifies the number of storage nodes that can be configured for this restricted data zone. format: int32

pools (optional)

array[String] This attribute specifies the list of associated media pools for this restricted data zone.

privileges (optional)

array[String] This attribute specifies the privileges of the members of this restricted data zone.

Enum:

protectionGroups (optional)

array[String] This attribute specifies the list of associated protection groups for this restricted data zone.

protectionPolicies (optional)

array[String] This attribute specifies the list of associated data protection policies for this restricted data zone.

recovers (optional)

array[String] This attribute specifies the list of associated scheduled recoveries for this restricted data zone.

resourceId (optional)

ResourceId

storageNodes (optional)

[array\[String\]](#) This attribute specifies the list of associated storage nodes for this restricted data zone.

users (optional)

[array\[String\]](#) This attribute specifies the list of users or groups that are in this restricted data zone.

TenantList

count (optional)

[Integer](#) This attribute specifies the number of tenants. format: int32

links (optional)

[array\[Link\]](#)

tenants (optional)

[array\[Tenant\]](#) This attribute contains the information about the tenants.

TimePolicy

name (optional)

[String](#) This attribute specifies the name of the time policy.

comment (optional)

[String](#) This attribute describes the details of time policy.

numberOfPeriods (optional)

[Integer](#) This attribute specifies the number of periods.

period (optional)

[String](#) This attribute specifies the period of the time policy.

Enum:

Minutes

Hours

Days

Weeks

Months

Years

`TimePolicyList`

count (optional)

Integer This attribute specifies the number of time policies. format: int32

timepolicies (optional)

array[TimePolicy] This attribute contains the information about the time policies.

`TimeStampBasedGranularRecover`

This attribute specifies the source client resource ID and timestamp to identify the backup for recovery.

sourceClientResID (optional)

String This attribute specifies the resource ID to uniquely identify the source client.

timeStamp (optional)

String This attribute specifies the backup savetime in the format yyyy-mm-ddThh:mm:ssXXX (2017-10-07T21:00:13+05:30) or in epoch time format (1507237222).

`UserGroup`

comment (optional)

String This attribute specifies the user-defined description of this user group or explanatory remarks.

externalRoles (optional)

array[String] This attribute specifies the roles from the directory service.

links (optional)

array[Link]

name (optional)

[String](#) This attribute specifies the name of the user group.

privileges (optional)

[array\[String\]](#) This attribute specifies the privileges of members of this user group.

Enum:

resourceId (optional)

[ResourceId](#)

users (optional)

[array\[String\]](#) This attribute contains users or groups that are in this user group, as in user=sam,host=jupiter (user sam on machine jupiter), host=jupiter (any user on machine jupiter).

UserGroupList

count (optional)

[Integer](#) This attribute specifies the number of user groups. format: int32

links (optional)

[array\[Link\]](#)

userGroups (optional)

[array\[UserGroup\]](#) This attribute contains information about the user groups.

VCenter

cloudDeployment (optional)

[Boolean](#) This attribute indicates whether the hypervisor is running on the cloud.

comment (optional)

[String](#) This attribute specifies the user-defined description of this resource or any explanatory remarks.

hostname (optional)

String This attribute specifies the hostname of the server hosting the virtual machine monitor.

links (optional)

array[Link]

resourceId (optional)

ResourceId

userName (optional)

String This attribute specifies the username of the virtual machine monitor.

userPassword (optional)

String This attribute specifies the password of the virtual machine monitor.

VCenterList

count (optional)

Integer This attribute specifies the number of vCenters.

links (optional)

array[Link]

vCenters (optional)

array[VCenter] This attribute contains the list of vCenters.

VCenterPlugin

pluginType (optional)

String This attribute specifies the type of plug-in to install from the predefined list.

Enum:

VC

EBR

nwUserId (optional)

String This attribute specifies the NetWorker administrator username used to connect to VC or EBR REST APIs.

nwPassword (optional)

String This attribute specifies the NetWorker administrator password used to connect to VC or EBR REST APIs.

httpsPort (optional)

Integer This attribute specifies the vCenter https port number, the default value is 443.

httpPort (optional)

Integer This attribute specifies the vCenter http port number, the default value is 80.

authclp (optional)

String This attribute specifies the IP address or hostname of the AuthC service.

authcPort (optional)

Integer This attribute specifies the port of the AuthC service.

VCenterPluginResponse

status (optional)

String This attribute specifies the status of plug-in installation.

output (optional)

EBRSession .

resultCode (optional)

String

VMwareApplicationRecoverSaveSetInfo

applicationData (optional)

String

backupId (optional)

String This attribute specifies the backup identifier.

instanceId (optional)

String This attribute specifies the backup instance identifier.

`VMwareProtectedVm`

hasAppConsistencyBackup (optional)

Boolean This attribute indicates whether the backup has an app consistent backup.

hostname (optional)

String This attribute specifies the guest OS hostname.

ipAddress (optional)

String This attribute specifies the guest OS IP address.

links (optional)

array[Link]

moreId (optional)

String This attribute specifies the Managed Object Reference ID of the VM.

name (optional)

String This attribute specifies the name of the VM.

osId (optional)

String This attribute specifies the operating system identifier.

osName (optional)

String This attribute specifies the operating system name.

uuid (optional)

String This attribute specifies the Universal Unique Identifier of the VM.

vCenterHostname (optional)

String This attribute specifies the VCenter hostname.

vProxyUsedForLastBackup (optional)

String This attribute specifies the vProxy used for last successful backup.

version (optional)

String This attribute specifies the VMX version. VMware VMX files are the configuration files for VMware guest operating systems.

VMwareProtectedVmList

count (optional)

Integer This attribute specifies the number of protected virtual machines.

links (optional)

array[Link]

vms (optional)

array[VMwareProtectedVm]

VMwareVm

annotation (optional)

String This attribute specifies the annotation of the VM.

connectionState (optional)

String This attribute specifies the connection state of the VM. The value of this attribute can be connected, notResponding, or disconnected.

hostname (optional)

String This attribute specifies the hostname of the VM.

ipAddress (optional)

String This attribute specifies the IP address of the VM.

ipAddresses (optional)

array[String] This attribute specifies the IP addresses of the VM.

links (optional)

array[Link]

morefId (optional)

String This attribute specifies the Managed Object Reference ID of the VM.

name (optional)

String This attribute specifies the name of the VMware virtual machine.

osId (optional)

String This attribute specifies the OS identifier.

osName (optional)

String This attribute specifies the OS name.

powerState (optional)

String This attribute specifies the power state of the VM. The value of this attribute can be poweredOn, poweredOff, standby, or unknown.

state (optional)

String This attribute specifies the state of the machine as running or not running.

status (optional)

String This attribute describes the virtual machine status in color-coded format.

type (optional)

String This attribute specifies the type of virtual machine.

uuid (optional)

String This attribute specifies the Universal Unique Identifier of the VM.

vCenterHostname (optional)

String This attribute specifies the VCenter hostname.

version (optional)

String This attribute specifies the VMX version. VMware VMX files are the configuration files for VMware guest operating systems.

VMwareVmBackupInfo

datastoreMoref (optional)

String This attribute specifies the data store Managed Object Reference ID.

disks (optional)

array[VMwareVmdkBackupInfo]

hostMoref (optional)

String This attribute specifies the host Managed Object Reference ID.

morefPath (optional)

String This attribute specifies the Managed Object Reference path.

vCenterHostname (optional)

String This attribute specifies the vCenter host name.

vmMoref (optional)

String This attribute specifies the virtual machine Managed Object Reference ID.

vmName (optional)

String This attribute specifies the virtual machine name.

VMwareVmEmergencyRecoverCleanupOptions

This is a mandatory attribute when `recoverMode` is set to "Emergency"; otherwise, it is not supported. This attribute specifies the options for cleaning up ESX, proxy, and client resources at the end of the emergency recovery.

deleteEsxCli (optional)

Boolean This attribute specifies whether the ESX client must be deleted at the end of emergency recovery.

deleteEsxHypervisor (optional)

Boolean This attribute specifies whether the ESX hypervisor resource must be deleted at the end of emergency recovery.

deleteVproxy (optional)

Boolean This attribute specifies whether the vProxy resource must be deleted at the end of emergency recovery.

vCenterHostnameForVproxy (optional)

String This attribute specifies to which vCenter the vProxy must be associated at the end of emergency recovery. Used only if the deleteVproxy option is unset or set to "false".

VMwareVmFlrOptions

This is a mandatory attribute when recoverMode is set to "FLR"; otherwise, it is not supported. This attribute specifies the target guest VM where the application recovery will be performed.

recoveryDestination (optional)

String This attribute specifies the destination on the target VM to which the recovered files will be copied.

elevateUser (optional)

String This attribute specifies whether the recover has to be performed with elevated (administrator) authority.

itemsToRecover (optional)

array[String] This attribute specifies the list of items to be recovered.

terminateMountSession (optional)

Boolean This attribute specifies whether the mount session should be terminated at the end of recovery.

overwrite (optional)

Boolean This attribute specifies whether the files should be forcefully overwritten if they are present in the destination directory.

VMwareVmGuestInfo

This is a mandatory attribute when recoverMode is set to "Application"; otherwise, it is not supported. This attribute specifies the target guest VM where the application recovery will be performed.

installAppAgent (optional)

Boolean This attribute specifies whether to install the Microsoft Virtual Machine Application Agent (MSVMAPPAGENT) which is required for application-consistent VMware recover.

targetVmAdminUserId (optional)

String This attribute specifies the target VM administrator user ID.

targetVmAdminUserPassword (optional)

String This attribute specifies the target VM administrator user password.

targetVmUserId (optional)

String This attribute specifies the target VM user ID.

targetVmUserPassword (optional)

String This attribute specifies the target VM user password.

uninstallAppAgent (optional)

Boolean This attribute specifies whether to uninstall the Microsoft Virtual Machine Application Agent (MSVMAPPAGENT) which is required for application-consistent VMware recover.

`VMwareVmList`

count (optional)

Integer This attribute specifies the number of virtual machines.

links (optional)

array[Link]

vms (optional)

array[VMwareVm]

`VMwareVmOpBackup`

policy (optional)

String This attribute specifies the policy name of the backup.

workflow (optional)

String This attribute specifies the workflow name of the backup.

VMwareVmOpRecover

applicationData (optional)

String This attribute is optional when recoverMode is set to "Application"; otherwise, it is not supported. This attribute specifies the JSON data to be passed to application agent for restore.

applicationName (optional)

String This attribute is mandatory when recoverMode is set to "Application"; otherwise, it is not supported. This attribute specifies the application name to be restored.

applicationRestoreSaveSets (optional)

array[VMwareApplicationRecoverSaveSetInfo] This attribute is optional when recoverMode is set to "Application"; otherwise, it is not supported. This attribute specifies the list of save sets to be restored in sequence.

clusterComputeResourceMoref (optional)

String This is an optional attribute when recoverMode is set to "New" or "Instant"; otherwise, it is not supported. Either clusterComputeResourceMoref or computeResourceMoref needs to be set to specify under which host or cluster the VM will be restored.

computeResourceMoref (optional)

String This is an optional attribute when recoverMode is set to "New" or "Instant"; otherwise, it is not supported. Either clusterComputeResourceMoref or computeResourceMoref needs to be set to specify under which host or cluster the VM will be restored.

datacenterMoref (optional)

String This is a mandatory attribute when recoverMode is set to "New" or "Instant"; otherwise, it is not supported. This attribute specifies to which data center the VM is restored.

datastoreMoref (optional)

String This is a mandatory attribute when recoverMode is set to "New" or "Emergency"; otherwise, it is not supported. This attribute specifies to which datastore VM files are restored.

debugLevel (optional)

Integer This attribute specifies the debug level to be used during restore.

deleteExistingBackingFile (optional)

Boolean This is a mandatory attribute when `recoverMode` is set to "Revert" and when the configuration recovery is also set; otherwise, it is not supported. This attribute specifies whether the existing disk will be deleted in case of disk configuration mismatch.

disks (optional)

array[VMwareVmdkRecoverInfo] This is a mandatory attribute when `recoverMode` is set to "New", "Disk", or "Emergency", and optional when `recoverMode` is set to "Revert". Otherwise, it is not supported. This attribute specifies which disks will be restored and to which datastore. If not set and `recoverMode` is set to "Revert", then all disks will be reverted.

hostMoref (optional)

String This is an optional attribute when `recoverMode` is set to "New" or "Instant"; otherwise, it is not supported. This attribute specifies to which host the VM is restored. This is not required when restoring to a DRS-enabled cluster.

jobName (optional)

String This is an optional attribute for all `recoverMode` values. This attribute specifies the name of the job that will be created.

mountJobId (optional)

String This is a mandatory attribute when `recoverMode` is set to "Application"; otherwise, it is not supported. This attribute specifies the mount job ID to be used by the restore session.

powerOn (optional)

Boolean This is a mandatory attribute when `recoverMode` is set to "Revert", "Instant", "New", "Disk", or "Emergency"; otherwise, it is not supported. This attribute specifies whether to power on the VM at the end of the restore.

reconnectNic (optional)

Boolean This is a mandatory attribute when `recoverMode` is set to "Revert", "Instant", "New", "Disk", or "Emergency"; otherwise, it is not supported. This attribute specifies whether to reconnect the NIC of the VM at the end of the restore.

recoverMode (optional)

String This is a mandatory attribute. This attribute specifies the type of the restore.

Enum:

Revert

Instant

New

Disk

Application

FLR

Emergency

resourcePoolMoref (optional)

String This is an optional attribute when recoverMode is set to "New" or "Instant"; otherwise, it is not supported. This attribute specifies the resource pool to which the VM will be restored.

revertConfiguration (optional)

Boolean This is a mandatory attribute when recoverMode is set to "Revert"; otherwise, it is not supported. This attribute specifies whether to revert the VM configuration.

stagingPool (optional)

String This is an optional attribute for all recoverMode values. This attribute specifies which staging pool to use on the DD device when restoring from a clone.

vCenterHostname (optional)

String This is a mandatory attribute when recoverMode is set to "New", "Instant", "Disk", or "Emergency"; otherwise, it is not supported. This attribute specifies to which vCenter or ESX the VM or disk is restored.

vmEmergencyRecoverCleanupOptions (optional)

[VMwareVmEmergencyRecoverCleanupOptions](#)

vmFolderMoref (optional)

String This is a mandatory attribute when recoverMode is set to "New"; otherwise, it is not supported. This attribute specifies the VM folder under which the VM will be recovered.

vmGuestLogin (optional)

VMwareVmGuestInfo

vmMoref (optional)

String This is a mandatory attribute when recoverMode is set to "Disk" or "Application"; otherwise, it is not supported. This attribute specifies to which VM the restored disk will be attached.

vmName (optional)

String This is a mandatory attribute when recoverMode is set to "New", "Instant", "Disk", "Application", or "Emergency"; otherwise, it is not supported. This attribute specifies either the restored VM name or, when recoverMode is "Disk" or "Application", the existing VM name to which the restored disk will be attached.

vmwareVmFlrOptions (optional)

VMwareVmFlrOptions

vProxyHostname (optional)

String This is a mandatory attribute when recoverMode is set to "Emergency". It is optional when recoverMode is set to "Revert", "New", "Instant", "Disk", or "Application"; otherwise, it is not supported. This attribute specifies the vProxy to be used for recovery.

VMwareVmProtectionDetail

protectionGroup (optional)

ProtectionGroup This attribute specifies the protection group details.

protectionPolicy (optional)

Policy This attribute specifies the protection policy details.

workflow (optional)

PolicyWorkflow This attribute specifies the workflow details.

VMwareVmProtectionDetailList

count (optional)

Integer This attribute specifies the number of protection details.

links (optional)

array[Link]

protectionDetails (optional)

array[VMwareVmProtectionDetail] This attribute contains the information about the protection details.

VMwareVmdkBackupInfo

datastoreMoref (optional)

String This attribute specifies the data store Managed Object Reference ID.

datastoreName (optional)

String This attribute specifies the data store name.

key (optional)

String This attribute specifies the key.

name (optional)

String This attribute specifies the name.

sizeInKb (optional)

Integer This attribute specifies the size in kilo bytes.

thinProvisioned (optional)

Boolean This attribute indicates whether it is thin provisioned.

VMwareVmdkRecoverInfo

datastoreMoref (optional)

String This attribute specifies the Managed Object Reference ID associated with the destination datastore for this disk. This is a mandatory attribute.

key (optional)

String This attribute specifies the key of the disk, which can be retrieved from the vmlInformation property of a backup. This is a mandatory attribute.

name (optional)

String This attribute specifies the name of the disk, which can be retrieved from the vmlInformation property of a backup. This is a mandatory attribute.

VMwareVmdkWorkItem

vmUuid (optional)

String This attribute specifies the Universal Unique Identifier (UUID) of the virtual machine.

vmdkUuid (optional)

String This attribute specifies the Universal Unique Identifier (UUID) of the virtual machine disk (VMDK).

VMwareWorkItemOpUpdate

addWorkItems (optional)

VMwareWorkItemSelection

deleteWorkItems (optional)

VMwareWorkItemSelection

VMwareWorkItemSelection

vCenterHostname (optional)

String This attribute specifies the vCenter hostname.

containerMorefs (optional)

array[String] This attribute specifies the list of container Managed Object Reference IDs.

vmUuids (optional)

array[String] This attribute specifies the Universal Unique Identifier (UUID) of VMs.

vmdks (optional)

[array\[VMwareVmdkWorkItem\]](#) This attribute specifies the list of Virtual Machine Disks.

vProxy

comment (optional)

[String](#) This attribute specifies any user-defined description of this resource or other explanatory remarks.

datastores (optional)

[array\[String\]](#) This attribute specifies the datastores which this proxy can access.

enabled (optional)

[Boolean](#) This attribute indicates whether the VM proxy is available for use.

encryptNbdSessions (optional)

[Boolean](#) This attribute indicates whether to enable NBDSSL, which encrypts NBD sessions with SSL. This option takes effect only if the maximum NBD sessions attribute is set to a positive value.

forceRegister (optional)

[Boolean](#) This attribute specifies whether or not to force register.

hostname (optional)

[String](#) This attribute specifies the hostname of the vProxy.

links (optional)

[array\[Link\]](#)

maxHotaddDisks (optional)

[Integer](#) This attribute specifies the maximum number of virtual disks that NetWorker can concurrently hotadd to the vProxy appliance.

maxHotaddSessions (optional)

[Integer](#) This attribute specifies the maximum VM clients this vProxy appliance will concurrently support through HotAdd.

maxNbdSessions (optional)

Integer This attribute specifies the maximum VM sessions this vProxy appliance will concurrently support through NBD.

password (optional)

String This attribute specifies the user password to connect to the proxy host.

resourceId (optional)

ResourceId

userName (optional)

String This attribute specifies the username to connect to the vProxy appliance.

version (optional)

String This attribute specifies the vProxy appliance version.

vCenterHostname (optional)

String This attribute specifies the vCenter which this proxy services.

vProxyPort (optional)

Integer This attribute specifies the TCP port number of the proxy service.

VProxyList

count (optional)

Integer This attribute specifies the number of vProxy appliances.

links (optional)

array[Link]

vProxies (optional)

array[VProxy]

VProxyVmBrowseSessionPutOrPostResponse

config (optional)

VProxyVmBrowseSessionResponseConfig This attribute specifies the configuration information of the browse session.

status (optional)

[VProxyVmBrowseSessionResponseStatus](#) This attribute specifies the status information of the browse session.

VProxyVmBrowseSessionRequest

currentWorkingDirectory (optional)

[String](#) This attribute specifies the path relative to the mount point or absolute path within the mounted backup location.

idleTimeout (optional)

[Integer](#) This attribute specifies the idle timeout in seconds for the browse session.

cacheRetentionSeconds (optional)

[Integer](#) This attribute specifies the time in seconds after which cached contents of the current working directory will be considered stale.

browseDestination (optional)

[Boolean](#) This attribute specifies whether the destination VM should be browsed. The default value is false.

osType (optional)

[String](#) This attribute specifies the destination VM operating system type.

Enum:

Windows

Linux

elevateUser (optional)

[Boolean](#) This attribute specifies whether the browse has to be performed with elevated (administrator) authority.

VProxyVmBrowseSessionResponse

config (optional)

[VProxyVmBrowseSessionResponseConfig](#) This attribute specifies the configuration information of the browse session.

status (optional)

[VProxyVmBrowseSessionResponseStatus](#) This attribute specifies the status information of the browse session.

links (optional)

[array\[Link\]](#)

VProxyVmBrowseSessionResponseConfig

sessionId (optional)

[String](#) This attribute specifies the browse session identifier.

currentWorkingDirectory (optional)

[String](#) This attribute specifies the path relative to the mount point or absolute path within the mounted backup location.

idleTimeout (optional)

[Integer](#) This attribute specifies the idle timeout in seconds for the browse session.

cacheRetentionSeconds (optional)

[Integer](#) This attribute specifies the time in seconds after which cached contents of the current working directory will be considered stale.

browseDestination (optional)

[Boolean](#) This attribute indicates whether the destination VM should be browsed.

VProxyVmBrowseSessionResponseList

count (optional)

[Integer](#) This attribute specifies the number of browse session responses.

links (optional)

[array\[Link\]](#)

sessions (optional)

[array\[VProxyVmBrowseSessionResponse\]](#)

VProxyVmBrowseSessionResponseStatus

state (optional)

String This attribute specifies the status of the browse session, as Queued, Running, Success, Failure, or Cancelled.

description (optional)

String This attribute specifies the status description of the browse session.

VProxyVmMountSessionResponse

config (optional)

VProxyVmMountSessionResponseConfig This attribute specifies the configuration information on this current mount session.

status (optional)

VProxyVmMountSessionResponseStatus This attribute specifies the status information on this current mount session.

links (optional)

array[Link]

VProxyVmMountSessionResponseConfig

mountPointPath (optional)

String This attribute specifies the mount point path of the mounted session.

idleTimeout (optional)

Integer This attribute specifies the idle timeout of the mounted session.

VProxyVmMountSessionResponseStatus

state (optional)

String This attribute specifies the status of mounted session.

description (optional)

String This attribute specifies the status description of mounted session.

Volume

accessTime (optional)

[Date](#) This attribute specifies the access time. format: date-time

availabilityFlags (optional)

[array\[String\]](#) This attribute specifies the availability flag. More than one availability flag can be specified.

Enum:

barcode (optional)

[String](#) This attribute specifies the barcode label for the volume.

capacity (optional)

[Size](#) This attribute specifies the capacity of the volume.

expirationTime (optional)

[Date](#) This attribute specifies the expiration time for the volume.
format: date-time

family (optional)

[String](#) This attribute specifies the family of the device currently associated with the volume.

flags (optional)

[array\[String\]](#) This attribute specifies the flags to provide additional details.

Enum:

id (optional)

[String](#) This attribute specifies host identifier of the volume.

latestLabelTime (optional)

[Date](#) This attribute specifies latest label time. format: date-time

links (optional)

[array\[Link\]](#)

location (optional)

String This attribute specifies the administrator-defined description of a physical location of the volume.

mounts (optional)

Long This attribute specifies the number of mount operations. format: int64

name (optional)

String This attribute specifies the name of the volume.

originalLabelTime (optional)

Date This attribute specifies the original label time. format: date-time

pool (optional)

String This attribute specifies the pool to which the volume belongs.

recover (optional)

Size This attribute specifies the amount of data recovered from the volume.

recycled (optional)

Long This attribute specifies the number of times the volume has been recycled. format: int64

saveSetExpirationTime (optional)

Date This attribute specifies the save set expiration time. format: date-time

saveSetIds (optional)

array[String] This attribute specifies the IDs of all the save sets on the volume.

states (optional)

array[String] This attribute specifies whether the volume is WORM (write once, read many) capable, recyclable, manual recyclable, and archive.

Enum:

tenant (optional)

String This attribute specifies the name of the restricted data zone (RDZ) to which the associated device belongs.

type (optional)

String This attribute specifies the media type of the device currently associated with the volume.

written (optional)

Size This attribute specifies the amount of data written on the volume.

VolumeList

count (optional)

Integer This attribute specifies the number of volumes. format: int32

links (optional)

array[Link]

volumes (optional)

array[Volume] This attribute contains information about the volumes.

XmlError

This attribute specifies the information about the error.

text (optional)

String This attribute specifies the error message that appeared while retrieving the content of the session.

code (optional)

Integer This attribute specifies the error code that appeared while retrieving the content of the session.

XmlFile

fileName (optional)

String This attribute specifies the name of the file.

fileType (optional)

String This attribute specifies the file type value that can be file, directory, or symlink.

fileSize (optional)

Integer This attribute specifies the size of the file in bytes.

fileModificationTime (optional)

String This attribute specifies the time when the file was last modified.

XmlVmBrowseDirectoryContents

error (optional)

XmlError

noMoreData (optional)

Boolean This attribute indicates whether additional data exists. The value true indicates that no additional data is available.

totalObjects (optional)

Integer This attribute specifies the total number of objects that can be retrieved by using the GET contents action.

freeSpace (optional)

Integer This attribute specifies the available free space in the current working directory.

fileList (optional)

array[XmlFile] This attribute specifies an array of objects which contain information about file system entries contained in the current working directory.

inspect

hostname

String This attribute specifies the hostname of the remote agent.

type

String This attribute specifies the type of the remote agent client.

Enum:

SAP HANA