EMC® NetWorker®

Release 9.0.1

REST API Reference Guide

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EMC²

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PREFACE

As part of an effort to improve its product lines, EMC periodically releases revisions of its software and hardware. Therefore, some functions 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.

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Note: This document was accurate at publication time. New versions of this document might be released on the EMC online support website. Check the EMC online support website to ensure that you are using the latest version of this document.

Purpose

This document contains the specification for the NetWorker REST API.

Audience

This document is intended for use by engineers who are creating programmatic interfaces to NetWorker systems.

Related documentation

The following EMC publications provide additional information:

- *EMC NetWorker Administration Guide* — Describes how to configure and maintain the NetWorker software.
- *EMC NetWorker Installation Guide* — Describes how to install and administer the NetWorker software on cluster servers and clients.
- *EMC NetWorker Updating from a Previous Release Guide* — Describes how to update the NetWorker software from a previously installed release.
- *EMC NetWorker Cluster Integration Guide* — Describes how to install and administer the NetWorker software on cluster servers and clients.
- *EMC NetWorker Release Notes* — Contains information on new features, changes, fixed problems and known limitations.
- *EMC NetWorker and EMC Data Domain Deduplication Devices Integration Guide* — Provides planning and configuration information on the use of Data Domain devices.
- *EMC NetWorker and VMware Integration Guide* — Provides planning and configuration information on the use of VMware in a NetWorker environment.
- *EMC NetWorker and EMC Avamar Integration Guide* provides information on planning, practices, and configuration of Avamar deduplication nodes in NetWorker.
- *EMC NetWorker Snapshot Management Integration Guide* — Provides the ability to catalog and manage snapshot copies of production data.

- *EMC 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.
- *EMC NetWorker Error Message Guide* — Describes common NetWorker error messages.
- *EMC NetWorker Licensing Guide* — Describes how to license products and features.
- *EMC NetWorker Performance Optimization Planning Guide* — Provides basic performance information to size, plan, and optimize the NetWorker environment.
- *EMC NetWorker REST API Getting Started Guide* — Describes how to configure and use the NetWorker REST API to create programmatic interfaces to the NetWorker server.
- *EMC NetWorker REST API Reference Guide*— Provides the NetWorker REST API specification used to create programmatic interfaces to the NetWorker server.
- *EMC NetWorker Security Configuration Guide* — Provides an overview of security configuration settings available in NetWorker.
- *EMC NetWorker Server Disaster Recovery and Availability Best Practices Guide* — Describes how to design and plan for a NetWorker disaster recovery.
- *EMC NetWorker Management Console Online Help* — Describes the day-to-day administration tasks performed in the NetWorker Management Console.
- *EMC NetWorker User Online Help* — Describes how to use the NetWorker User program on a Windows client to perform backup, recover, and archive operations.

Online help for commands

Help for commands is also available from the command line.

- The information available in this document is also available from the command line for any platform except Windows. To access this help from the command line, type **man** *command_name*, for example:

  ```
  man recover
  ```

  Note: The optional package, LGTOman must be installed to access help using the **man** command. The operating system path environment variable must also include the location of the man pages, otherwise, you must run the **man** command from the installed location of the man pages.

- To access basic help for any NetWorker command on any platform, type *command_name* **-help** from the command line, for example:

  ```
  recover -help
  ```

  Note: Basic help is limited to a list of the command's arguments, options, and parameters. More complete information is contained in this document.

Where to get help

EMC support, product, and licensing information can be obtained as follows:

Product information — For documentation, release notes, software updates, or information about EMC products, licensing, and service, go to:

https://support.emc.com

Technical support — Go to EMC Online Support and select Service Center.

Your comments

Your suggestions will help us continue to improve the accuracy, organization, and overall quality of the user publications. Send your opinions of this document to:

DPADdocumentation@emc.com

NetWorker REST API RESOURCE REFERENCE

Overview

The NetWorker REST API is exposed in the following base URI:
  https://{nw-server-hostname}:9090/nwrestapi/v1

There are three URI groups:
  {baseuri}/global
  {baseuri}/datazone
  {baseuri}/tenant/{tenantId}
    The tenant {id} corresponds to the Name field for Tenant.

For example, to access a single Client resource for datazone:
  https://{nw-server-hostname}:9090/nwrestapi/v1/datazone/clients/{id}
    The client {id} corresponds to the ResourceId attribute.

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GET /alerts

Returns the most recent alert messages

Return type

AlertList

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
Resources were retrieved successfully

GET /auditlogconfig

Returns the security audit log settings
Return type
AuditLogConfiguration
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
Resources were retrieved successfully

PUT /auditlogconfig

Updates the security audit log settings
Request body
auditLogConfig (optional)
Body Parameter — Audit log settings for update
Responses
204
Resource was updated successfully

GET /backups

Returns a list of all backups.
Return type
BackupList
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
Resources were retrieved successfully

GET /backups/{backupId}

Returns a single backup
Path parameters
backupId (required)
Path Parameter — ID of Backup
Return type
Backup
Responses

200
Resource was retrieved successfully

GET /backups/{backupId}/instances

Return a list of backup instances
Path parameters
backupId (required)
Path Parameter — ID of Backup
Return type
BackupInstanceList
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
Resources were retrieved successfully

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

Returns a list of backup instances for a given backup
Path parameters
backupId (required)
Path Parameter — ID of Backup
instanceId (required)
Path Parameter — ID of Instance
Return type
BackupInstance
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

GET /clients

Returns a list of all clients
Return type
ClientList
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
Resources were retrieved successfully

POST /clients

Creates a new client
Request body
client (required)
Body Parameter — Client to be created
Responses
201
Resource was created successfully

GET /clients/{clientId}

Returns a single client
Path parameters
clientId (required)
Path Parameter — ID of Client
Return type
Client
Responses
200
Resource was retrieved successfully

PUT /clients/{clientId}

Updates a single client
Path parameters
clientId (required)
Path Parameter — ID of Client
Request body
client (required)
Body Parameter — Client to modify
Responses
204
Resource was updated successfully

DELETE /clients/{clientId}

Deletes a single client
Path parameters
clientId (required)
Path Parameter — ID of Client
Responses
204
Resource was deleted successfully

GET /clients/{clientId}/backups

Returns a list of backups for a given client
Path parameters
clientId (required)

Path Parameter — ID of Client
Return type
BackupList
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
Resources were retrieved successfully

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

Return a single backup for a given client
Path parameters
clientId (required)
Path Parameter — ID of Client
backupId (required)
Path Parameter — ID of Backup
Return type
Backup
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

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

Return a list of backup instances
Path parameters
clientId (required)
Path Parameter — ID of Client
backupId (required)
Path Parameter — ID of Backup
Return type
BackupInstanceList
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
Resources were retrieved successfully

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

Returns a list of backup instances for a given backup
Path parameters
clientId (required)
Path Parameter — ID of Client
backupId (required)
Path Parameter — ID of Backup
instanceId (required)
Path Parameter — ID of Backup Instance
Return type
BackupInstance
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

POST /clients/{clientId}/op/backup

Backup save sets for a given client
Path parameters
clientId (required)
Path Parameter — ID of Client
Request body
clientOpBackup (required)
Body Parameter — Parameters to start the backup
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
Operation successful

GET /devices

Returns a list of devices
Return type
DeviceList
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
Resources were retrieved successfully

POST /devices

Creates a new device
Request body
device (required)
Body Parameter — Device 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
Resource was created successfully

GET /devices/{deviceId}

Returns a single device
Path parameters
deviceId (required)
Path Parameter — ID of the device
Return type
Device
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

PUT /devices/{deviceId}

Updates a single device
Path parameters
deviceId (required)
Path Parameter — ID of the device
Request body
device (required)

Body Parameter — Device data for the update
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

`DELETE /devices/{deviceId}`
Deletes a single device
Path parameters
deviceId (required)
Path Parameter — ID of the device
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 deleted successfully

`POST /devices/{deviceId}/op/label`
Creates a label for a device resource
Path parameters
deviceId (required)
Path Parameter — ID of the device
Request body
deviceOpLabel (required)
Body Parameter — Device label to be applied
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
Operation successful

`POST /devices/{deviceId}/op/mount`
Mounts a volume into a device
Path parameters
deviceId (required)

Path Parameter — ID of the device
Request body
deviceOpMount (required)
Body Parameter — Mount information
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
Operation successful

POST /devices/{deviceId}/op/unmount

Unmounts a volume from a device
Path parameters
deviceId (required)
Path Parameter — ID of the device
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
Operation successful

POST /devices/{deviceId}/op/verifylabel

Verifies label in a device. Note: Verifying a label unmounts mounted volumes
Path parameters
deviceId (required)
Path Parameter — ID of the device
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
Operation successful

GET /devices/{deviceId}/opstatus

Returns a status of a device
Path parameters
deviceId (required)

Path Parameter — ID of the device
Return type
DeviceOpStatus
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

GET /directives

Returns a list of directives
Return type
DirectiveList
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
Resources were retrieved successfully

POST /directives

Creates a new directive
Request body
directive (required)
Body Parameter — Directive 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
Resource was created successfully

GET /directives/{directiveId}

Returns a single directive
Path parameters
directiveId (required)
Path Parameter — ID of the directive
Return type

Directive
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

PUT /directives/{directiveId}
Updates a single directive
Path parameters
directiveId (required)
Path Parameter — ID of the directive
Request body
directive (required)
Body Parameter — Directive data for update
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

DELETE /directives/{directiveId}
Deletes a single directive
Path parameters
directiveId (required)
Path Parameter — ID of the directive
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 deleted successfully

GET /jobgroups
Returns a list of job groups
Return type
JobList

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
Resources were retrieved successfully

GET /jobgroups/{jobGroupId}

Returns a single job group
Path parameters
jobGroupId (required)
Path Parameter — ID of the job group
Return type
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
Resource was retrieved successfully

GET /jobindications

Returns a list of job indications
Return type
JobIndicationList
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
Resources were retrieved successfully

GET /jobs

Returns a list of jobs
Return type
JobList
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
Resources were retrieved successfully

GET /jobs/{jobId}

Returns a single job
Path parameters
jobId (required)
Path Parameter — ID of the job
Return type
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
Resource was retrieved successfully

POST /jobs/{jobId}/op/cancel

Cancels a job
Path parameters
jobId (required)
Path Parameter — ID of the job
Request body
jobOpCancel (required)
Body Parameter — Cancel parameters
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
Operation successful

GET /labels

Returns a list of labels
Return type
LabelList
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
Resources were retrieved successfully

POST /labels

Creates a new label
Request body
label (required)
Body Parameter — Label 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
Resource was created successfully

GET /labels/{labelId}

Returns a single label
Path parameters
labelId (required)
Path Parameter — ID of the label
Return type
Label
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

PUT /labels/{labelId}

Updates a single label
Path parameters
labelId (required)
Path Parameter — ID of the label
Request body
label (required)
Body Parameter — Label data for update
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

DELETE /labels/{labelId}

Deletes a single label
Path parameters
labelId (required)
Path Parameter — ID of the label
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 deleted successfully

GET /notifications

Returns a list of notifications
Return type
NotificationList
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
Resources were retrieved successfully

POST /notifications

Creates a new notification
Request body
notification (required)
Body Parameter — Notification 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
Resource was created successfully

GET /notifications/{notificationId}

Returns a single notification
Path parameters
notificationId (required)
Path Parameter — ID of the notification
Return type
Notification
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

PUT /notifications/{notificationId}

Updates a single notification
Path parameters
notificationId (required)
Path Parameter — ID of the notification
Request body
notification (required)
Body Parameter — Notification data for update
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

DELETE /notifications/{notificationId}

Deletes a single notification
Path parameters
notificationId (required)
Path Parameter — ID of the notification
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 deleted successfully

GET /pools

Returns a list of media pools
Return type
PoolList
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
Resources were retrieved successfully

POST /pools

Creates a new media pool
Request body
pool (required)
Body Parameter — Media pool 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
Resource was created successfully

GET /pools/{poolId}

Returns a single media pool
Path parameters
poolId (required)
Path Parameter — ID of the media pool
Return type
Pool
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

PUT /pools/{poolId}

Updates a single media pool
Path parameters
poolId (required)
Path Parameter — ID of the media pool
Request body
pool (required)
Body Parameter — Media pool data for the update
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

DELETE /pools/{poolId}

Deletes a single media pool
Path parameters
poolId (required)
Path Parameter — ID of the media pool
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 deleted successfully

GET /probes

Returns a list of probes
Return type
ProbeList
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
Resources were retrieved successfully

POST /probes

Creates a new probe
Request body
probe (required)
Body Parameter — Probe 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
Resource was created successfully

GET /probes/{probeId}

Returns a single probe
Path parameters
probeId (required)
Path Parameter — ID of the probe
Return type
Probe
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

PUT /probes/{probeId}

Updates a single probe
Path parameters
probeId (required)
Path Parameter — ID of the probe
Request body
probe (required)
Body Parameter — Probe data for the update
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

DELETE /probes/{probeId}

Deletes a single probe
Path parameters
probeId (required)
Path Parameter — ID of the probe
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 deleted successfully

GET /protectiongroups

Returns a list of protection groups
Return type
ProtectionGroupList
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
Resources were retrieved successfully

POST /protectiongroups

Creates a new protection group
Request body
protectiongroups (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
Resource was created successfully

GET /protectiongroups/{protectionGroupId}

Returns a single protection group

Path parameters

protectionGroupId (required)

Path Parameter — ID of the protection group

Return type

ProtectionGroup

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

PUT /protectiongroups/{protectionGroupId}

Updates a single protection group

Path parameters

protectionGroupId (required)

Path Parameter — ID of the protection group

Request body

protectionGroup (required)

Body Parameter — Protection group data for the update

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

DELETE /protectiongroups/{protectionGroupId}

Deletes a single protection group

Path parameters

protectionGroupId (required)

Path Parameter — ID of the protection group

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 deleted successfully

GET /protectionpolicies

Returns a list of policies

Return type

PolicyList

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

Resources were retrieved successfully

POST /protectionpolicies

Creates a new policy

Request body

policy (required)

Body Parameter — Policy 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

Resource was created successfully

GET /protectionpolicies/{policyId}

Returns a single policy

Path parameters

policyId (required)

Path Parameter — ID of the policy

Return type

Policy

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

PUT /protectionpolicies/{policyId}

Updates a single policy

Path parameters

policyId (required)

Path Parameter — ID of the policy

Request body

policy (required)

Body Parameter — Policy data for update

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

DELETE /protectionpolicies/{policyId}

Deletes a single policy

Path parameters

policyId (required)

Path Parameter — ID of the policy

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 deleted successfully

GET /protectionpolicies/{policyId}/jobgroups

Returns a list of job groups for a given policy

Path parameters

policyId (required)

Path Parameter — ID of the policy

Return type

JobList

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

Resources were retrieved successfully

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

Returns a list of jobs for a given job group

Path parameters

policyId (required)

Path Parameter — ID of the policy

jobGroupId (required)

Path Parameter — ID of the job group

Return type

JobList

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

GET /protectionpolicies/{policyId}/workflows

Returns a list of workflows for a policy

Path parameters

policyId (required)

Path Parameter — ID of the policy

Return type

PolicyWorkflowList

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

Resources were retrieved successfully

POST /protectionpolicies/{policyId}/workflows

Creates a new workflow

Path parameters

policyId (required)

Path Parameter — ID of the policy

Request body

workflow (required)

Body Parameter — Workflow 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
Resource was created successfully

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

Returns a single workflow
Path parameters
policyId (required)
Path Parameter — ID of the policy
workflowId (required)
Path Parameter — ID of the workflow
Return type
PolicyWorkflow
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

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

Updates a single workflow
Path parameters
policyId (required)
Path Parameter — ID of the policy
workflowId (required)
Path Parameter — ID of the workflow
Request body
workflow (required)
Body Parameter — Workflow data for update
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

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

Deletes a single workflow

Path parameters

policyId (required)

Path Parameter — ID of the policy

workflowId (required)

Path Parameter — ID of the workflow

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 deleted successfully

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

Returns a list of job groups for a given workflow

Path parameters

policyId (required)

Path Parameter — ID of the policy

workflowId (required)

Path Parameter — ID of the workflow

Return type

JobList

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

Resources were retrieved successfully

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

Returns a list of jobs for a given job group

Path parameters

policyId (required)

Path Parameter — ID of the policy

workflowId (required)

Path Parameter — ID of the workflow

jobGroupId (required)

Path Parameter — ID of the job group

Return type

JobList

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

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

Starts a specified workflow
Path parameters
policyId (required)
Path Parameter — ID of the policy
workflowId (required)
Path Parameter — ID of the workflow
Request body
policyWorkflowOpBackup (required)
Body Parameter — Parameters to start the workflow
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
Operation successful

`GET /serverconfig`

Returns the server configuration settings
Return type
ServerConfiguration
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
Resources were retrieved successfully

`PUT /serverconfig`

Updates the server configuration settings
Request body
serverConfig (optional)

Body Parameter — Server configuration settings for update
Responses
204
Resource was updated successfully

GET /servermessages

Returns a list of server messages
Return type
ServerMessageList
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
Resources were retrieved successfully

GET /serverstatistics

Returns the server statistics
Return type
ServerStatistics
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
Resources were retrieved successfully

GET /sessions

Returns a list of sessions
Return type
SessionList
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
Resources were retrieved successfully

GET /sessions/{sessionId}

Returns a single session
Path parameters
sessionId (required)
Path Parameter — ID of the session
Return type
Session
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

POST /sessions/{sessionId}/op/cancel

Cancel a specified session
Path parameters
sessionId (required)
Path Parameter — ID of the session
Request body
jobOpCancel (required)
Body Parameter — Cancel parameters
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
Operation successful

GET /storagenodes

Returns a list of storage nodes
Return type
StorageNodeList
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
Resources were retrieved successfully

POST /storagenodes

Creates a new storage node

Request body

storageNode (required)

Body Parameter — Storage node 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

Resource was created successfully

GET /storagenodes/{storageNodeId}

Returns a single storage node

Path parameters

storageNodeId (required)

Path Parameter — ID of the storage node

Return type

StorageNode

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

PUT /storagenodes/{storageNodeId}

Updates a single storage node

Path parameters

storageNodeId (required)

Path Parameter — ID of the storage node

Request body

storageNode (required)

Body Parameter — Storage node data for the update

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

DELETE /storagenodes/{storageNodeId}

Deletes a single storage node

Path parameters

storageNodeId (required)

Path Parameter — ID of the storage node

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 deleted successfully

GET /usergroups

Returns a list of user groups

Return type

UserGroupList

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

Resources were retrieved successfully

POST /usergroups

Creates a new user group

Request body

usergroups (required)

Body Parameter — User 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

Resource was created successfully

GET /usergroups/{userGroupId}

Returns a single user group

Path parameters
userGroupId (required)
Path Parameter — ID of the user group
Return type
UserGroup
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

PUT /usergroups/{userGroupId}

Updates a single user group
Path parameters
userGroupId (required)
Path Parameter — ID of the user group
Request body
userGroup (required)
Body Parameter — User group data for the update
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

DELETE /usergroups/{userGroupId}

Deletes a single user group
Path parameters
userGroupId (required)
Path Parameter — ID of the user group
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 deleted successfully

GET /volumes

Returns a list of volumes

Return type

VolumeList

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

Resources were retrieved successfully

GET /volumes/{volumeId}

Returns a single volume

Path parameters

volumeId (required)

Path Parameter — ID of the volume

Return type

Volume

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

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PolicyActionVbaCheckpointBackup
vbaCheckpointDiscover
PolicyActionVbaCheckpointDiscover
PolicyActionBackup
backupSpecificData
PolicyActionBackupSpecificData
clientOverride
String
Enum:
ClientCanNotOverride
ClientCanOverride
LegacyBackupRules
destinationStorageNodes
array[String]
overrideBackupSchedule
Boolean
overrideRetentionPeriod
Boolean
retentionPeriod
String
successThreshold
String
Enum:
Warning
Success
PolicyActionBackupSpecificData
snapshot
PolicyActionBackupSnapshot
traditional
PolicyActionBackupTraditional
vmware
PolicyActionBackupVmware
PolicyActionBackupSnapshot
destinationPool
String
minimumRetentionPeriod
String

PolicyActionBackupTraditional
destinationPool
String
estimate
Boolean
fileInactivityAlertThresholdPercentage
Integer
fileInactivityThresholdInDays
Integer
revertToFullWhenSyntheticFullFails
Boolean
timestampFormat
String
Enum:
None
ISO
Unix
verifySyntheticFull
Boolean
PolicyActionBackupVmware
destinationPool
String
saveType
String
Enum:
VMDK
VirtualMachine
useVbaInternalStorage
Boolean
vbaName
String
PolicyActionCheckConnectivity
PolicyActionClone
deleteSource
Boolean
destinationPool
String
destinationStorageNode
String
retentionPeriod
String
sourceStorageNode
String
PolicyActionDiscover
discoverType
String
Enum:
NAS snapshot

PolicyActionExpire
PolicyActionGenerateIndex
generateIndexType
String
Enum:
NAS snapshot
PolicyActionProbe
allProbsMustSucceed
Boolean
maxBackupIntervalInDays
Integer
PolicyActionServerBackup
destinationPool
String
destinationStorageNode
String
performBootstrap
Boolean
performClientFileIndexing
Boolean
retentionPeriod
String
PolicyActionSettingOverride
action
String
commandLineArguments
String
PolicyActionVbaCheckpointBackup
destinationPool
String
retentionPeriod
String
PolicyActionVbaCheckpointDiscover
PolicyActionWorkItemFilter
clients
array[String]
levels
array[String]
saveSetTypes
array[String]
timeRangeEnd
Date
timeRangeStart
Date
PolicyList
count
Integer
protectionPolicies

array[Policy]
PolicyNotification
command
String
executeOn
String
Enum:
Completion
Failure
Ignore
PolicyWorkflow
actions
array[PolicyAction]
autoStartEnabled
Boolean
comment
String
completionNotification
PolicyNotification
description
String
enabled
Boolean
endTime
String
name
String
newName
String
nextStartDate
Date
protectionGroups
array[String]
restartTimeWindow
String
startInterval
String
startTime
String
PolicyWorkflowList
count
Integer
workflows
array[PolicyWorkflow]
PolicyWorkflowOpBackup
actionOverrides
array[PolicyActionSettingOverride]
clients

array[String]
restart
Boolean
Pool
autoMediaVerify
Boolean
barcodePrefix
String
comment
String
createDltWorm
Boolean
devices
array[String]
enabled
Boolean
labelTemplate
String
maxParallelism
Integer
maxVolumesToRecycle
Integer
mediaTypeRequired
String
Enum:
Data Domain
protectpoint
objstr
Atmos COS
adv_file
file
logical
Auto Detected
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
sdlt600
sdlt320
sdlt
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
String
poolType
String
Enum:
Backup
BackupClone
Archive
ArchiveClone
recycleFromOtherPools
Boolean
recycleInterval
String
recycleStart
String
recycleToOtherPools
Boolean
resourceId
ResourceId
storeIndexEntries
Boolean
tenant
String
volumeTypePreference
String

Enum:
Data Domain
protectpoint
objstr
Atmos COS
adv_file
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8mm 7GB
8mm 5GB
8mm
SD3
SLR
qic
travan10
generic256
generic128
generic
CentricStor
vhs
himt
wormPool

Boolean
PoolList
count
Integer
pools
array[Pool]
Probe
commandOptions
String
comment
String
name
String
probeCommand
String
resourceId
ResourceId
ProbeList
count
Integer
probes
array[Probe]
ProtectionGroup
comment
String
name
String
resourceId
ResourceId
tenant
String
workItemQueries
array[String]
workItemSource
String
Enum:
Static
Dynamic
workItemSubType
String
Enum:
VirtualMachine
VMDK
None
workItemType
String
Enum:
Client

SaveSetId
VMware
NASDevice
workItems
array[String]
ProtectionGroupList
count
Integer
protectionGroups
array[ProtectionGroup]
ResourceId
id
String
sequence
Long
ServerConfiguration
acceptNewRecoverSessions
Boolean
acceptNewSessions
Boolean
aclPassthrough
Boolean
administrators
array[String]
authenticationProxyPort
Integer
authenticationServiceDatabase
String
authenticationServicePort
Integer
cityOrTown
String
clpLicenseServer
String
clpLicenseServerPort
Integer
clpRefresh
String
clpSwid
String
clpUom
String
comment
String
company
String
contactName
String

country
String
datazonePassPhrase
String
deviceSharingMode
String
Enum:
NoSharing
MaximalSharing
ServerDefault
disableRpsClone
Boolean
emailAddress
String
fax
String
jobInactivityTimeout
Integer
jobsdbRetentionInHours
Integer
keepIncompleteBackups
Boolean
licenseServers
array[String]
manualSaves
Boolean
name
String
nasDevicePolicyAllowed
Boolean
parallelism
Integer
phone
String
productSerialNumber
String
publicArchives
Boolean
purchaseDate
String
resourceId
ResourceId
saveSessionDistribution
String
Enum:
MaxSessions
TargetSessions
serverOSType

String
siteId
String
solutionId
String
stateOrProvince
String
streetAddress
String
supportEmailAddress
String
vmwarePolicyAllowed
Boolean
vmwsEnable
Boolean
vmwsPort
Integer
vmwsUserName
String
vmwsUserPassword
String
volumePriority
String
Enum:
NearLinePriority
SmartMediaPriority
wormPoolsOnlyHoldWormTapes
Boolean
wormTapesOnlyInWormPools
Boolean
zipOrPostalCode
String
ServerMessage
category
String
id
String
message
String
priority
String
source
String
timestamp
Date
ServerMessageList
count
Integer

serverMessages
array[ServerMessage]
ServerStatistics
badRecovers
Long
badSaves
Long
currentRecovers
Long
currentSaves
Long
maxRecovers
Long
maxSaves
Long
recoverSize
Size
recovers
Long
saveSize
Size
saves
Long
upSince
Date
version
String
Session
clientHostname
String
completed
Boolean
compressionRatio
BigDecimal
device
String
deviceFamily
String
Enum:
Tape
Disk
Cloud
Logical
deviceType
String
Enum:
Data Domain
protectpoint

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SD3
SLR
qic
travan10
generic256
generic128
generic
CentricStor
vhs
himt
endTime
Date
extendedInformation
String

id
Integer
itemIdLong
Long
jobId
Long
mode
String
Enum:
Unknown
Saving
Recovering
Browsing
pool
String
protectionGroup
String
rootJobId
Long
saveSet
String
saveSetId
String
size
Size
startTime
Date
stopped
Boolean
tenant
String
totalRecoverSize
Size
totalRecoverVolumesNeeded
Long
transferRate
BitRate
volume
String
SessionList
count
Integer
sessions
array[Session]
Size
unit
String
Enum:

Byte
KB
size
Long
StorageNode
aftdAllowedDirectories
array[String]
cloneStorageNodes
array[String]
comment
String
configuredDevices
array[String]
configuredLibraries
array[String]
configuredLibraryTypes
array[String]
configuredSilos
array[String]
configuredSiloTypes
array[String]
daemonVersions
array[String]
dateOfLastScan
Date
dateOfRegistration
Date
dedicatedStorageNode
Boolean
deviceSharingMode
String
Enum:
NoSharing
MaximalSharing
ServerDefault
dynamicNsrmmds
Boolean
enabled
Boolean
lastErrorMessages
array[String]
lastErrorNumber
Integer
maxActiveDevices
Integer
name
String
numberOfDevices

Integer
numberOfLibraries
Integer
password
String
ready
Boolean
remoteUser
String
resourceId
ResourceId
searchAllLuns
Boolean
sharedDeviceCreation
Boolean
skipScsiTargets
Boolean
storageNodeIsConfigured
Boolean
tenant
String
typeOfStorageNode
String
Enum:
SCSI
NDMP
SILO
usePersistentNames
Boolean
version
String
StorageNodeList
count
Integer
storageNodes
array[StorageNode]
Tenant
clientHostnames
array[String]
comment
String
devices
array[String]
directives
array[String]
externalRoles
array[String]
jukeboxes

array[String]
labels
array[String]
name
String
numberOfClients
Integer
numberOfDevices
Integer
numberOfJukeboxes
Integer
numberOfStorageNodes
Integer
pools
array[String]
privileges
array[String]
protectionGroups
array[String]
protectionPolicies
array[String]
recovers
array[String]
resourceId
ResourceId
storageNodes
array[String]
users
array[String]
TenantList
count
Integer
tenants
array[Tenant]
UserGroup
comment
String
externalRoles
array[String]
name
String
privileges
array[String]
resourceId
ResourceId
users
array[String]
UserGroupList

count
Integer
userGroups
array[UserGroup]
Volume
accessTime
Date
barcode
String
capacity
Size
expirationTime
Date
family
String
flags
array[String]
id
String
latestLabelTime
Date
location
String
mounts
Long
name
String
originalLabelTime
Date
pool
String
recover
Size
recycled
Long
saveSetExpirationTime
Date
saveSetIds
array[String]
states
array[String]
tenant
String
type
String
written
Size
VolumeList

count
Integer
volumes
array[Volume]