

# Isilon InsightIQ

Version 4.1.2

## Installation Guide

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# CHAPTER 1

## Introduction to this guide

This section contains the following topics:

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- [Where to go for support](#).....6

## About this guide

This guide provides installation and upgrade information for InsightIQ.

For compatibility information with other Isilon products, refer to the [Isilon Supportability and Compatibility Guide](#).

## Where to go for support

If you have any questions about EMC Isilon products, contact EMC Isilon Technical Support.

Online Support	<a href="#">Live Chat</a> <a href="#">Create a Service Request</a>
Telephone Support	United States: 1-800-SVC-4EMC (800-782-4362) Canada: 800-543-4782 Worldwide: +1-508-497-7901 For local phone numbers for a specific country, see <a href="#">EMC Customer Support Centers</a> .
Help with online support	For questions specific to EMC Online Support registration or access, email <a href="mailto:support@emc.com">support@emc.com</a> .

### Support for InsightIQ

If you are running a free version of InsightIQ, community support is available through the [EMC Isilon Community Network](#). If you have one or more licenses of InsightIQ and have a valid support contract for the product, contact EMC Isilon Technical Support for assistance.

### Support for IsilonSD Edge

If you are running a free version of IsilonSD Edge, community support through EMC community network is available. However, if you have purchased one or more licenses of IsilonSD Edge, you can contact EMC Isilon Technical Support for assistance, provided you have a valid support contract for the product.

# CHAPTER 2

## System requirements

This section contains the following topics:

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## InsightIQ system requirements

To run InsightIQ, the environment must meet cluster, licensing, browser, and datastore requirements.

### OneFS

The monitored cluster must be running OneFS 7.1.0 or later.

InsightIQ 4.1.2 can be used with clusters that run versions of OneFS earlier than 8.0.1. However, InsightIQ 4.1.2 includes features that OneFS versions earlier than 8.0.1 do not support. OneFS 8.0.1 and later versions support all features of InsightIQ 4.1.2. If you use a feature in a version of InsightIQ earlier than 4.1.2, that feature is supported in the latest version of InsightIQ.

For monitored clusters running OneFS 7.1.0 and later, enable HTTPS port 8080. To use the File System Analytics feature with OneFS versions later than 8.0.0, enable the NFS service and ports 111, 300, 302, 304, and 2049 on all monitored clusters. The File System Analytics feature is enabled by default on OneFS versions 8.0.0 and later.

### InsightIQ product license

Before installing InsightIQ on a virtual machine, you must obtain an InsightIQ license key for each cluster that you want to monitor. For more information, contact the EMC Isilon sales representative. After you obtain the license keys, enable licenses on each cluster that you want to monitor.

### InsightIQ port

Enable the port through which web browsers connect to InsightIQ over HTTPS or HTTP. By default, this setting is port 443 for HTTPS and port 80 for HTTP. For information about modifying this port, see the *InsightIQ User Guide*.

### Web browser

You can access the Isilon InsightIQ application through any web browser. Examples of supported browsers include Microsoft Edge 38.14393, Microsoft Internet Explorer 11.0.9600, Mozilla Firefox 58.0, Apple Safari 11.0, and Google Chrome 63.0.

The InsightIQ web application interface is optimized for a screen that is 1,280 pixels wide.

### Storage space for the InsightIQ datastore

InsightIQ can store monitored-cluster data either locally or on an NFS-mounted server. If InsightIQ is installed on a virtual machine, InsightIQ by default stores the monitored cluster data locally on a virtual hard drive that is included on the InsightIQ virtual machine. If you want to use this local virtual hard drive as the InsightIQ datastore, ensure that the virtualization host contains at least 70 GB of free disk space. If InsightIQ is installed on a Linux computer, InsightIQ stores data on the local hard drive by default. If you store InsightIQ data locally, ensure that the hard drive contains at least 64 GB of free disk space.

As an alternative to storing InsightIQ data locally, you can configure InsightIQ to store monitored-cluster data on an Isilon cluster—either the monitored cluster itself or a different cluster—or on any NFS-mounted server. If you want to store InsightIQ monitored-cluster data on an Isilon cluster or another NFS-based server, provide adequate space in which to store the data. Verify that an NFS export rule is correctly configured on the cluster or NFS-based server. For information about NFS datastore requirements, see [NFS datastore requirements](#).



**Environment requirements**

Installation and upgrade should be performed on a system with an unmodified `/etc/profile`.

## Linux computer requirements

You can install InsightIQ on a physical Linux computer.

**Hardware requirements**

You can install InsightIQ on computers that meet the following specifications.

- x86\_64 instruction set (Intel 64 or AMD 64)
- 8 GB RAM
- 5-GB free disk space on the operating system (OS) partition
- 70-GB free disk space on either the local computer or an NFS datastore

**Operating system requirements**

You can install InsightIQ on computers running the following operating systems.

- CentOS 6.9 and RHEL 6.9
- Red Hat Enterprise Linux (RHEL) 6.8 x86\_64

InsightIQ is compatible with any installation package of either operating system, including the minimal installation packages.

To verify the current version of CentOS or RHEL, perform the following step.

- At the command prompt of the computer, run the command

```
cat /etc/*release*
```

The operating system reports the currently installed version.

To upgrade the CentOS or RHEL operating system, perform the following step.

- At the command prompt of the computer, run the command

```
sudo yum upgrade
```

The operating system upgrades to the latest available version.

## Virtual machine requirements

InsightIQ virtual machine requirements and best practices

Before you install InsightIQ on a virtual machine, verify that the environment meets these requirements.

Isilon InsightIQ can run on any of the following virtual environments.

**Table 1** InsightIQ and VMware Compatibility

Version	InsightIQ 3.2	InsightIQ 4.0	InsightIQ 4.0.1	InsightIQ 4.1	InsightIQ 4.1.1	InsightIQ 4.1.2
VMware ESXi version 5.5	•	•	•	•	•	•
VMware ESXi version 6.0				•	•	•
VMware ESXi version 6.5						•
VMware Workstation (Windows, Linux)	•	•	•	•	•	•
VMware Fusion (Mac OS)	•	•	•	•	•	•

For best performance, follow these environment recommendations:

- Allocate at least 8 GB of RAM to the InsightIQ virtual machine. It is recommended that you do not allocate less than 8 GB. Allocating less RAM might significantly degrade the performance of InsightIQ.
- Ensure that the virtual machine disk performance allows for high read/write access.
- Install the InsightIQ virtual machine on a virtualization environment host that is running more processes than processors.
- Ensure that the virtual machine is connected to a network that can communicate with the monitored cluster.

## Datastore requirements for NFS

InsightIQ datastore requirements for NFS servers.

As an alternative to storing InsightIQ data on the local datastore, you can store InsightIQ data on any NFS-mounted server. If you store InsightIQ data on an NFS server, the NFS server must meet the following requirements.

- Verify that the server includes a correctly configured NFS export rule. The export rule must export the datastore path, and map the root user on the InsightIQ server to the user account that owns the export on the NFS server.
- Enable read and write access to the export rule. This configuration allows InsightIQ to mount the server and create the necessary directories and files on the server.
- InsightIQ might cache permissions for failed tries to mount the NFS-based server. If InsightIQ continues to report insufficient rights to create the path on the NFS server, restart InsightIQ to clear the previous mount tries, and then try again.
- You can connect to an NFS datastore over IPv6 only if IPv6 addresses are configured for both InsightIQ and the NFS server.

---

### Note

Do not use snapshots of the InsightIQ datastore. If you revert a snapshot of the InsightIQ datastore, modify the contents of the datastore in any way, or revert a datastore from a vm backup, the InsightIQ datastore has a high chance of becoming corrupted.

---

## Datastore requirements for an Isilon cluster

InsightIQ requirements when using an Isilon cluster to store data.

This information is applicable only if you store data on an Isilon cluster.

- Verify that the Isilon OneFS operating system supports the version of InsightIQ to be installed.
- Verify that a valid InsightIQ license is activated on the cluster. If you store InsightIQ data on an Isilon cluster that is not a monitored cluster, it is necessary to license InsightIQ for the monitored cluster.
- Verify that the server includes a correctly configured NFS export rule. The export rule must export the datastore path, and map the root user on the InsightIQ server to the user account that owns the export on the NFS server.
- Enable read and write access to the export. Isilon OneFS ships with a default NFS export rule for the `/ifs` directory that you can use for InsightIQ. If that default NFS export has been modified or deleted, create NFS export rule that allows write access for InsightIQ.
- Do not apply a quota to the InsightIQ datastore through the SmartQuotas module. If you limit the size of the InsightIQ datastore through a quota, InsightIQ cannot detect the available space. The datastore might become full before InsightIQ can delete older data to make space available for newer data.

## InsightIQ datastore size

Information on the size of InsightIQ datastores.

An adequate amount of disk space must be available for InsightIQ to store data. The amount of data that InsightIQ requires depends on the number of nodes that are monitored and the length of time that you want InsightIQ to retain data.

On average, InsightIQ creates 1 GB of data for each monitored node every 2 weeks. If you want to retain more than 2 weeks of data, it is recommended that you increase the size of the InsightIQ datastore by 2 GB for each node each month. It is also recommended that the disk space always includes at least 10 GB of free space.

Use the following equations to calculate the minimum and maximum size of the datastore:

```
<minimum_datastore_size> = <number_of_nodes>*1 + 10 GB
<larger_datastore_size> = <number_of_nodes>*<number_of_months>*2
+ 10 GB
```

There is no maximum size for an InsightIQ datastore. The size of the InsightIQ datastore does not significantly affect InsightIQ performance.

If InsightIQ is unable to free at least 5 GB of disk space, InsightIQ stops monitoring the cluster. If the datastore has less than 3 GB of free space available, InsightIQ begins to delete older data to create space for new data. To resume monitoring, increase the amount of available disk space or manually delete data from the datastore.

For example, if you monitor 12 nodes, it is recommended that you reserve at least 22 GB of disk space. If you want to retain the data for 3 months, it is recommended that you reserve 82 GB of disk space.

---

**Note**

To receive an email when the datastore is reaching capacity. Set up an email alert from the InsightIQ web application **Status** view

---

InsightIQ is unable to delete the following types of data from the datastore:

**Most recent data**

InsightIQ does not automatically delete data less than 15 days old.

**Non-InsightIQ data**

InsightIQ does not automatically delete data from the datastore that it did not create.

**Historical performance reports**

InsightIQ does not automatically delete historical performance reports.

# CHAPTER 3

## Upgrade

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- [Upgrade InsightIQ](#) ..... 14
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## Upgrade prerequisites

Prerequisites to upgrade InsightIQ versions.

During the upgrade process, you cannot monitor clusters. InsightIQ is not able to collect data for a monitored cluster during an upgrade.

The recommendation is that you upgrade InsightIQ at a time when cluster activity is minimal.

### InsightIQ upgrade paths

The following table lists the upgrade options for InsightIQ. To upgrade versions of InsightIQ older than 3.0.x, refer to the installation guides for those versions.

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#### Note

OneFS 8.x File System Analytics (FSA) statistics are compatible only with InsightIQ 4.x and later releases.

---

**Table 2** Supported InsightIQ upgrades

	Upgrade to InsightIQ						
Upgrade from	3.1.x	3.2.x	4.0.0	4.0.1	4.1.0	4.1.1	4.1.2
InsightIQ 3.0.x	•						
InsightIQ 3.1.x		•					
InsightIQ 3.2.x			•	•		•	•
InsightIQ 4.0.0				•	•	•	•
InsightIQ 4.0.1					•	•	•
InsightIQ 4.1.0						•	•

## Upgrade InsightIQ

Upgrade your version of InsightIQ.

### Before you begin

The root partition of the InsightIQ Linux computer or virtual machine must have at least 502 MB of free space.

### Procedure

1. Locate the InsightIQ installation script from <https://support.emc.com/search/?text=InsightIQ&resource=DOWN&facetProductId=15208> in `.sh` format.
2. Download the file to the Linux computer or virtual machine that is running InsightIQ.

3. On the Linux computer or virtual machine that you want to upgrade, run the following command.

```
sudo sh <path>
```

Specify *<path>* as the file path of the `.sh` installation script.

4. Select how InsightIQ will be installed, either through the offline or online method, and then press **Enter**.
  - Option 1 - Offline. InsightIQ will be installed using the bundled packages.
  - Option 2 - Online. InsightIQ will be installed using yum mirrors.

InsightIQ shows a list of software dependencies that must be installed to continue the upgrade.

5. Type `x` and then press **Enter**.
6. Delete old InsightIQ log files.

If the root partition for InsightIQ becomes full, InsightIQ might encounter an `Out of disk space` error. If this error occurs, delete old InsightIQ log files by running the following commands from the InsightIQ command prompt:

```
sudo rm -rf /var/log/insightiq*.log.*
sudo rm -rf /var/log/insightiq_clusters/*/*.log.*
```

## Results

After InsightIQ upgrade is complete, the **Settings > Monitored Clusters** page displays the **Monitoring Status** of clusters as `Monitoring Starting` while InsightIQ completes post-upgrade tasks. During this time, InsightIQ still monitors clusters. However, you might see gaps of missing information in data modules. These gaps will update after each cluster returns to a status of `Latest Data:<date>`.

---

## Note

- Update all software dependency packages by running the optional `sudo yum update` command.
  - InsightIQ does not automatically gather the correct jobs and services statistics if you upgrade the OneFS version on a monitored cluster from OneFS 8.0.0 or earlier to OneFS 8.0.1 or later. In such cases, restart InsightIQ before you collect the statistics.
  - If you have upgraded to InsightIQ version 4.1.2, the root login will no longer work over SSH. In such a scenario, you can log in to InsightIQ as an administrator user and run `sudo` to obtain the necessary privileges.
-

# Upgrade InsightIQ on an OVA

Upgrade an instance of InsightIQ originally installed from an OVA.

## Before you begin

The root partition of the InsightIQ virtual machine must have at least 502 MB of free space.

## Procedure

1. Locate the InsightIQ installation script from <https://support.emc.com/search/?text=InsightIQ&resource=DOWN&facetProductId=15208> in `.sh` format.
2. Download the file to the virtual machine that is running InsightIQ.
3. On the virtual machine that you want to upgrade, run the following command.

```
sudo sh <path>
```

Specify *<path>* as the file path of the `.sh` installation script.

4. Select how InsightIQ will be installed, either through the offline or online method, and then press **Enter**.
  - Option 1 - Offline. InsightIQ will be installed using the bundled packages.
  - Option 2 - Online. InsightIQ will be installed using yum mirrors.

InsightIQ shows a list of software dependencies that must be installed to continue the upgrade.

5. Type `y` and then press **Enter**.
6. Delete old InsightIQ log files.

If the root partition for InsightIQ becomes full, InsightIQ might encounter an `Out of disk space` error. If this error occurs, delete old InsightIQ log files by running the following commands from the InsightIQ command prompt:

```
sudo rm -rf /var/log/insightiq*.log.*
sudo rm -rf /var/log/insightiq_clusters/*/*.log.*
```

## Results

After InsightIQ upgrade is complete, the **Settings > Monitored Clusters** page displays the **Monitoring Status** of clusters as `Monitoring Starting` while InsightIQ completes post-upgrade tasks. During this time, InsightIQ still monitors clusters. However, you might see gaps of missing information in data modules. These gaps will update after each cluster returns to a status of `Latest Data:<date>`.

## Note

Update all software dependency packages by running the optional `sudo yum update` command.



# CHAPTER 4

## Install

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# Installing InsightIQ

The procedures for installing and setting up InsightIQ depend on whether you are installing InsightIQ on a Linux or virtual machine.

## Obtain the installation image

Download the InsightIQ installation package for the deployment environment.

The InsightIQ installation package is available in three compressed file formats. The installation image that you download depends on the environment you use to deploy InsightIQ.

### Procedure

1. Obtain the InsightIQ installation files, available at <https://support.emc.com>
  - If you install InsightIQ on a Linux computer, download and save the installation script in `.sh` format.
  - If you install InsightIQ as a virtual machine and are running VMware ESXi or VMware Workstation 8 or later, download the `.ova` installation files. Extract the files to a location where the VMware software can access them. Deploy these files as an Open Virtualization Format (OVF) template.
  - If you install InsightIQ as a virtual machine and are not running VMware ESXi or VMware Workstation 8 or later, download the installation files in `.zip` format. Extract the files to a location where the VMware software can access them.

## Install and configure InsightIQ on a virtual machine

Install InsightIQ on a virtual machine.

### Procedure

1. Add InsightIQ to the virtual machine inventory.

---

#### Note

Depending on the virtualization product you are running, modify the network configuration settings to accommodate InsightIQ. For example, on VMware Server, bridge the network adapters. For more information, see the applicable product documentation.

---

2. Open the virtualization environment console for InsightIQ.
3. Create a password for the administrator account.
  - a. Type a password for the administrator account, and then press **ENTER**.
  - b. Retype the password for the administrator account, and then press **ENTER**.
4. Acquire an IP address
  - If InsightIQ can acquire an IP address through DHCP, the address appears on the console.
  - If InsightIQ is unable to acquire an IP address through DHCP, the system prompts you to configure a static IP address.

- If InsightIQ cannot detect an interface, an error message appears and indicates that no interfaces are available.  
InsightIQ requires that only one interface be configured and connected in the virtualization environment. Configure the virtualization environment and then restart InsightIQ.
5. Configure network settings.  
To configure DHCP networking mode, make a note of the IP address that is displayed on the screen. Access InsightIQ by typing this address in a web browser. If no IP address is displayed, InsightIQ was unable to acquire an IP address through DHCP. Either configure the network to support DHCP or configure a static IP address.

---

#### Note

Running InsightIQ in DHCP mode can be convenient when you are setting up InsightIQ. However, for long-term, ongoing use, the recommendation is that you run InsightIQ in manual networking mode. The DHCP-generated IP address can expire without warning, causing interruptions in the data collection process or preventing you from logging in to InsightIQ. In this case, each time the current DHCP IP address expires, return to the virtualization environment to view a newly obtained DHCP IP address.

---

The console for InsightIQ appears.

6. Select **Set Timezone**, press **ENTER**. To configure the time zone for InsightIQ, follow the prompts.

## Install InsightIQ on a Linux computer

Install InsightIQ on a Linux computer.

### Procedure

1. Log in to a Linux computer through a user account with sudo access or the root user account.

---

#### Note

You cannot install the InsightIQ web application as the root user. To install InsightIQ, you must use a separate user named **administrator** with sudo privileges.

---

2. Create a user account with 'administrator' as the name. If this user already exists, skip to step 4.

```
sudo useradd administrator
```

3. Create a password for the user.

```
sudo passwd administrator
```

4. Grant the user membership to a privileged group.

```
sudo usermod -aG wheel administrator
```

5. Log in to a Linux computer as the 'administrator' user with sudo privileges.
6. Install InsightIQ by running the following command:

```
sudo sh <path>
```

Specify *<path>* as the file path of the `.sh` installation script.

7. Enable access to HTTP port 80 or HTTPS port 443.

The InsightIQ web application communicates with web browsers through port 80 or port 443. The default firewall settings of CentOS and RHEL prevent access through ports 80 and 443. Allow access to these ports by disabling the firewall by running the following commands in the order listed:

```
sudo /etc/init.d/iptables stop
```

```
sudo chkconfig iptables off
```

---

#### Note

- Completely disabling the firewall grants access to the computer through all ports. To enable access to ports 80 and 443 without disabling the firewall, see the operating system documentation.
  - If you have installed InsightIQ version 4.1.2, the root login will no longer work over SSH. In such a scenario, you can log in to InsightIQ as an administrator user and run `sudo` to obtain the necessary privileges.
- 

## Reinstall InsightIQ

Reinstall InsightIQ after uninstalling InsightIQ.

If the InsightIQ settings and datastore are not deleted, the reinstallation of InsightIQ can use all settings and previously collected data.

#### Procedure

1. Obtain the InsightIQ installation script from <https://support.emc.com> in `.sh` format and download the file to the Linux computer or virtual machine.
2. On the Linux computer or virtual machine, reinstall InsightIQ by running the following command:

```
sudo sh <path>
```

Specify *<path>* as the file path of the `.sh` installation script.

# CHAPTER 5

## Configuration

This section contains the following topics:

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- [Log in to the InsightIQ application](#).....23
- [Begin monitoring a cluster](#).....23

## Specify a datastore

Specify a datastore where you want to store the data collected by InsightIQ.

The specific steps that you take to specify a datastore depend on whether you want to store data on the local datastore or on an NFS-mounted datastore.

If you install InsightIQ as a virtual machine, the local datastore is a virtual hard drive that is included with InsightIQ. If you install InsightIQ on a Linux computer, the local datastore is the hard drive of the Linux computer. If you want to store InsightIQ data on the local datastore, ensure that the virtualization host or Linux computer contains at least 70 GB of free disk space available.

The NFS datastore can be either an Isilon cluster or another NFS-mounted server. If you want to store InsightIQ data on an NFS datastore, ensure that the datastore meets certain requirements. For more information, see [NFS datastore requirements](#).

- If you want to store InsightIQ data on the local datastore that is included with InsightIQ, see [Specify the local datastore](#).
- If you want to store InsightIQ data on an NFS-mounted datastore, see [Specify an NFS datastore](#).

---

### Note

You can mount a datastore using the NFSv3 protocol. NFSv4 is not supported.

---

## Specify the local datastore

Configure InsightIQ to store monitored cluster data on the local datastore.

### Procedure

1. Click **Local Datastore**.
2. Specify the path of the local datastore.

Option	Description
<b>For a virtual machine</b>	In the <b>Datastore Path</b> field, type <code>/datastore</code> .
<b>For a Linux computer</b>	In the <b>Datastore Path</b> field, type the path of an empty directory on the Linux computer.

3. Click **Submit**.

All data that is subsequently collected by InsightIQ is stored in the local datastore.

## Specify an NFS datastore

Configure InsightIQ to store monitored-cluster data on an NFS datastore.

### Procedure

1. Click **NFS Mounted Datastore**.
2. In the **Datastore NFS Server** field, type the hostname or IP address of the server or Isilon cluster on which collected performance data is stored.
3. In the **Datastore NFS Server Path** field, type the absolute path, beginning with a slash mark (/), to the directory on the server or cluster where you want the collected data to be stored. This field must contain only ASCII characters.

4. Click **Submit**.

All data that is subsequently collected by InsightIQ is stored in the specified NFS datastore.

## Log in to the InsightIQ application

You can log in to the InsightIQ web application through any supported web browser.

### Procedure

1. In a supported web browser, connect to the InsightIQ application.
  - If you are connecting to InsightIQ through IPv4, specify the address in the following format:

```
https://<ip-address-or-hostname>
```

- If you are connecting to InsightIQ through an IPv6 address, specify the address in the following format:

```
https://[<ip-address>]
```

If you are connecting through IPv6 to a hostname, specify the address in the following format:

```
https://<hostname>
```

2. In the **Username** and **Password** fields, type a valid username and password.
  - If you are logging in to an InsightIQ virtual machine, log in through the `administrator` account.
  - If you are logging in to a Linux computer, log in through any user account other than `root`.
3. If the end user license agreement (EULA) appears, review the EULA, click **I have read and agree to...**, and then click **Submit**.

## Begin monitoring a cluster

Configure InsightIQ to monitor an initial cluster during the installation process.

You can configure InsightIQ to monitor more than one Isilon cluster. The maximum number of clusters that you can simultaneously monitor varies depending on the resources available to the virtual machine. It is recommended that you do not monitor a cluster that contains more than 80 nodes and that you monitor no more than 8 clusters or 150 nodes at a time. If you want to monitor more clusters or nodes, it is recommended that you deploy an additional instance of InsightIQ.

### Monitor a cluster

Configure InsightIQ to monitor a cluster.

#### Before you begin

- Verify that a valid InsightIQ license is enabled on the cluster that you want to monitor. For more information, contact an Isilon representative.

- Verify that a local user account for InsightIQ is enabled and configured with a password on the cluster that you want to monitor.

---

#### Note

It is recommended that you monitor clusters over a LAN connection. Monitoring clusters over a WAN connection can significantly degrade the performance of InsightIQ.

---

#### Procedure

1. In the InsightIQ web application, click the **Settings** tab and then **Monitored Clusters** on the **Settings** ribbon, and then click **Add Cluster**.

The **Add Cluster** dialog box appears.

---

#### Note

The first time that you configure InsightIQ, the **Add Cluster** dialog box might already be displayed.

---

2. In the **Add Cluster** dialog box, in the **Isilon cluster address** field, type the hostname or IP address of any node of the cluster that you want to monitor. If the monitored cluster is running OneFS 7.2.1 or later, you can specify an IPv4 or IPv6 address. If the cluster is running an earlier version of OneFS, you can specify only an IPv4 address.

Alternatively, you can type the name of an Isilon SmartConnect zone.

Specify IPv6 addresses without surrounding brackets. You can connect to an NFS datastore over IPv6 only if IPv6 addresses are configured for both the InsightIQ instance and the monitored cluster.

---

#### Note

In general, it is recommended that you specify a cluster by a SmartConnect zone name. If the cluster has high usage and you use InsightIQ file-heat data, it is recommended that you specify the cluster by the IP address or by the hostname of a specific node.

Avoid specifying an IP address that can be transferred from one node to another node. If you choose to identify the monitored cluster by a SmartConnect zone, specify a SmartConnect zone that includes a CPU load-balancing policy. By balancing connections to nodes with lower CPU usage, the monitored cluster can respond to InsightIQ data collection queries more quickly and efficiently.

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3. In the **InsightIQ user name** field, type `insightiq`.
4. In the **InsightIQ user password** field, type the password of the monitored cluster's InsightIQ administrator account.
5. Click **OK**.



# CHAPTER 6

## Uninstall

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## Uninstall InsightIQ

You can uninstall InsightIQ. However, uninstalling InsightIQ does not remove all InsightIQ files from the Linux or virtual machine. Uninstalling InsightIQ does not delete InsightIQ data, user settings, live performance reports, generated live performance reports, performance report schedules, or file system reports. If you do not delete this data, the data is available if you reinstall InsightIQ on the same computer.

### Procedure

1. On the Linux or virtual machine, uninstall InsightIQ by running the following command:

```
sudo yum erase isilon-insightiq
```

2. (Optional) To delete all InsightIQ user settings, live performance reports, generated live performance reports, performance report schedules, and file system reports, delete the `/var/cache/insightiq/` folder from the Linux or virtual machine.
3. Delete the InsightIQ datastore from the Linux computer, virtual machine, or NFS datastore. The path of the local datastore is `/datastore` on the InsightIQ virtual machine.
4. To remove FSA reports from a monitored cluster, delete the contents of the `/ifs/.ifsvar/modules/fsa` directory on the cluster.

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### Note

Deleting the contents of the FSA directory delete all FSA reports stored on the monitored cluster. These reports might still be in use by another instance of InsightIQ. These reports can also be reused when you restart monitoring the cluster with InsightIQ. Delete the contents of the FSA directory only if you are certain that no other InsightIQ instances are monitoring the cluster and you do not intend to monitor the cluster with InsightIQ later.

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