



Monitor cluster processes

AFX

NetApp
January 21, 2026

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Monitor cluster processes

View the AFX storage system dashboard

You can sign in to System Manager to access the AFX dashboard and display the cluster status. This is a good first step before beginning your AFX administrative tasks or if you suspect an operational issue.

Before you begin

You'll need the following:

- IP address or domain name of the cluster management LIF
- Administrator account credentials

Steps

1. Connect to System Manager using a browser and the cluster management IP address:

```
https://$FQDN_IPADDR/
```

Example

```
https://10.61.25.33/
```

2. Provide the username and password for the administrator account and select **Sign in**.
3. Select **Dashboard** in the left navigation pane and review the tiles on the page including the cluster **Health**.
4. In the navigation pane, select **Cluster** and then **Overview**.
5. Review the cluster name, version, ONTAP personality and the other details.
6. At the top of the overview page, select **Cabling** for a visual display of the cluster hardware and connections.
7. In the navigation pane, select **Events & Jobs** and then **System alerts** to display and review the system alerts.

View Insights to optimize your AFX storage system

You can use the *Insights* feature of ONTAP System Manager to display suggested configuration updates that align with NetApp best practices. These changes can optimize the security and performance of your AFX cluster.

For example, the Autonomous Ransomware Protection (ARP) feature is available with AFX and provides anti-ransomware protection. Insights will inform you if ARP is not configured.

About this task

Each of the insights is presented as a separate tile or card on the page that you can choose to implement or dismiss. You can also select the associated documentation link to learn more about a specific technology.

Steps

1. In System Manager, select **Analysis** and then **Insights**.

2. Review the available recommendations.

What's next

Perform any of the recommended actions to implement AFX configuration best practices.

Monitor AFX storage system cluster performance

You can display a high-level overview of the performance of your AFX cluster.

Storage capacity

The System Manager dashboard includes a high-level display of the storage utilization for the cluster.

Steps

1. In System Manager, select **Dashboard** in the navigation pane.
2. Locate the **Capacity** tile and view the physical storage available and used.
3. Select **History** to access Active IQ to view the historical data.

Cluster performance

System Manager provides a detailed overview of the AFX cluster performance.

Steps

1. In System Manager, select **Analysis** and then **Performance**.
2. Review the cluster performance summary at top including latency and throughput.
3. Under the **Top actors** tab, select the desired SVM and then **Enable activity tracking** as needed.
4. Under the **Volume performance** tab, view the performance details of a specific volume.

Related information

- [Additional AFX cluster administration](#)

View AFX storage system events and audit log

You can review the events and audit log messages generated by AFX to track internal processing and diagnose potential problems. The AFX system can be configured to forward this information, along with other related data, for additional processing and archival.

Events

The event messages provide a valuable record of system activity. Each event includes a description and unique identifier along with a recommended action.

1. In System Manager, select **Events & jobs** and then **Events**.
2. Review and respond to the recommended actions at the top of the page, such as enabling automatic update.

3. Select the **Events log** tab to display a list of the messages.
4. Select an event message to examine it in more detail, including the sequence number, description, event, and recommended action.
5. Optionally select the **Active IQ suggestions** tab and register with Active IQ to get detailed risk information for the cluster.

Audit log



The audit log includes a record of system activity based on the use of access protocols such as HTTP.

1. In System Manager, select **Events & jobs** and then **Audit logs**.
2. Select **Settings** to enable or disable the operations that are tracked.
3. Optionally select **Manage audit destinations**; review [Manage notifications](#) for more information.

Manage notifications

There are several types of notifications supported by AFX that you can forward.

Steps

1. In System Manager, select **Cluster** and then **Settings**.
2. Navigate to **Notification management** and select .
3. Select the appropriate action to view or configure the destinations used by AFX. For example, to configure:
 - a. *Event destinations*: select **View event destinations**
 - b. *Audit log destinations*: select **View audit destinations**
4. Select  **Add** as appropriate and provide the destination information.
5. Select **Save**.

Related information

- [ONTAP Event, performance, and health monitoring](#)

View AFX storage system jobs

AFX includes an internal platform to run background jobs based on your configuration and administrative actions. These jobs can be long-running AFX components or short-lived processes executed in response to administrative tasks or REST API requests. You can display and monitor the jobs as needed.

Steps

1. In System Manager, select **Events & Jobs** and then **Jobs**.
2. Customize the display as well as search and download the job information as needed.

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