



Custom dashboards for FSx for ONTAP

Workload Factory for NetApp Console

NetApp
October 07, 2026

Table of Contents

- Custom dashboards for FSx for ONTAP 1
 - Learn about custom dashboards for FSx for ONTAP in NetApp Workload Factory 1
 - Why use custom dashboards 1
 - What you can do with custom dashboards 1
 - View and share dashboards 1
 - Considerations and limitations 2
 - Next steps 3
 - Create a custom dashboard in NetApp Workload Factory 3
 - Create a dashboard 3
 - Related information 4
 - Manage custom dashboards in NetApp Workload Factory 4
 - Access the dashboard catalog 5
 - Change dashboard visibility 5
 - Refresh dashboard data 5
 - Delete a dashboard 5
 - Related information 5
 - Troubleshoot custom dashboards in NetApp Workload Factory 6
 - Dashboard creation failed 6
 - Dashboard failed to load data 6
 - Dashboard not loading or loading slowly 6
 - Missing dashboards 7
 - Additional help 7

Custom dashboards for FSx for ONTAP

Learn about custom dashboards for FSx for ONTAP in NetApp Workload Factory

As a cloud and storage admin, custom dashboards give you a clear view of the systems and workloads you manage. They let you build and personalize views that match your work, priorities, and business goals, instead of being limited to preset layouts.

Custom dashboards use AI to create personalized views of your Workload Factory environment. You simply describe what you want to monitor in plain language, and the system automatically builds visual charts based on your needs.

Everyone in your Workload Factory account can view all custom dashboards. This shared setup helps teams collaborate and see the same operational information across your organization.



If your account admin has turned off AI features, you'll see a message and won't be able to create dashboards. Contact your administrator or [learn about AI administration](#).

Why use custom dashboards

Workload Factory users manage many workloads, environments, and priorities, but standard dashboards only show preset views. Custom dashboards help solve several operational challenges:

- **Answer key questions quickly:** Focus on the most important questions or gaps in your understanding instead of general system statistics.
- **Monitor what matters now:** Track the metrics that match your current priorities, not a fixed set of health indicators.
- **Link technical data to business results:** Show how system performance affects operations and business goals.
- **Avoid switching between tools:** View all relevant information in one place—no need to switch between tools, pages, or exports.

What you can do with custom dashboards

During setup, the AI-guided dialog helps you define:

- Workloads and resources to monitor
- Key metrics that matter for your work
- Time ranges and periods to compare
- Views by region, workload, or other categories
- Rules or requirements you need to track and show

View and share dashboards

New dashboards are private by default, so only you can see them. You can make a dashboard public at any time to share it with your team.

- **Private dashboards:** Only you can view these dashboards. Use them for personal monitoring, testing, or work in progress.
- **Public dashboards:** Everyone in your Workload Factory account can view these dashboards. Use them to share monitoring views and keep your team aligned on workloads, priorities, and business goals.

Each dashboard card shows whether the dashboard is private or public, so you can quickly see which dashboards are shared.

[Learn how to change dashboard visibility.](#)

Considerations and limitations

AWS credentials and permissions

To create or view custom dashboards, you need the correct AWS IAM permissions for the resources you want to monitor. Make sure the Workload Factory account has read access to the data sources used by the dashboards.

To build dashboards, Workload Factory uses read-only AWS credentials. These credentials allow only read actions, such as `fsx:DescribeVolumes` and `fsx:DescribeFileSystems`, for the following services: EC2, FSx, CloudWatch, Resource Groups Tagging API, Backup, CloudWatch Logs, KMS, and EFS.

[Learn how to add AWS credentials and set up IAM permissions.](#)

Link to FSx for ONTAP

Workload Factory requires a link to connect to FSx for ONTAP file systems. A link creates a trust relationship and connectivity between Workload Factory and one or more FSx for ONTAP file systems. This enables you to monitor and manage certain file system features directly from the ONTAP REST API calls that are not available through the Amazon FSx for ONTAP API.

[Learn how to create a link.](#)

Read-only design

Custom dashboards are read-only. They cannot change your storage or workload settings. This lets you monitor your system without accidentally changing anything.

Limitations

The following limitations currently apply to custom dashboards:

- You cannot share dashboards outside your Workload Factory account. All dashboard sharing is limited to users within the same Workload Factory account.

Demo environment

If you're using a Workload Factory demo account, some prebuilt dashboards are available. They help you see what custom dashboards can do. Each dashboard shows a common monitoring need: disaster recovery status, capacity and costs across regions, and whether storage protection rules are being followed.

Sample prompts

The following examples show how to describe your monitoring needs in plain language:

- **Disaster recovery monitoring:** "I am setting up a disaster recovery solution in AWS for my on-premises systems. I want to see a complete list of my on-prem resources and the status of each one at the disaster recovery site in the US East region, including whether it is configured, active, and healthy."
- **Multi-region capacity and cost:** "I manage storage across several cloud regions and applications. I want clear visibility into how much storage I have allocated, how much is being used, and what it costs, with details for each region and each application."
- **Storage protection compliance:** "I am setting up a new storage protection strategy based on my organization's standards. Show me all file systems and whether they meet these requirements:
 - Database workloads: 12 daily snapshots per volume and 2 tamper-proof snapshots per week.
 - NFS and SMB shares: 7 daily snapshots per volume and 1 tamper-proof snapshot per week.
 - ARP must be enabled on all volumes."

Next steps

- [Create a custom dashboard](#)
- [Manage custom dashboards](#)
- [Troubleshoot custom dashboards](#)

Create a custom dashboard in NetApp Workload Factory

Create custom dashboards by describing what you want to monitor in plain language. The AI guides you through the setup so your dashboards match your workloads and priorities.

About this task

Custom dashboards use an AI-guided dialog to understand what you want to visualize. You describe your monitoring needs in natural language, and the system asks clarifying questions to ensure the dashboard meets your requirements.

Once created, you can refresh the dashboard to see updated data.

Remember that custom dashboards are read-only by design and cannot make changes to your storage or workload configurations.



If your account admin has turned off AI features, you'll see a message and won't be able to create dashboards. Contact your administrator or [learn about AI administration](#).

Create a dashboard

Steps

1. Log in to the [NetApp Console](#).
2. From the NetApp Console menu, select **Workloads > Workloads Overview > Custom dashboards**.

If this is your first dashboard, you'll see a blank screen with sample prompts to help you get started. You

can select **Copy prompt** to copy a sample prompt into the AI dialog text box.

3. Select **Create new dashboard**.

4. In the AI dialog, describe what you want to monitor.

Describe it in plain language. The AI will ask a few questions to better understand your needs.

5. Select .

6. Respond to the AI's clarifying questions.

The AI might ask you to choose from several options to better understand what you need. Answer each question and select **Continue**, or select **Skip** to move past optional questions.

7. After answering all questions, select **Continue** to create your dashboard.

Your dashboard is being created. This might take a moment.

Result

Your custom dashboard is created and added to the dashboard catalog. By default, the dashboard is private and only visible to you. You can change the visibility to public if you want to share it with other users in your Workload Factory account. [Learn how to change dashboard visibility](#).

You'll get a notification when your dashboard is ready. If it can't be created, you'll get a notification with a link to try again. [Learn about configuring notifications](#).

What's next

After creation, you can:

- Change dashboard visibility to share with your team
- Refresh dashboard data to see the latest information
- Delete dashboards you no longer need
- View dashboard details, including who created it and when it was last updated

Related information

- [Manage your custom dashboards](#)
- [Troubleshoot custom dashboards](#)

Manage custom dashboards in NetApp Workload Factory

Manage your custom dashboards from the dashboard catalog. From there, you can view details, share dashboards, refresh data, or delete dashboards you no longer need.

About this task

You can view and manage custom dashboards from the dashboard catalog. Private dashboards are only visible to you, while public dashboards are visible to all users in your Workload Factory account. Each dashboard shows basic details such as the creator's name, the creation date, and a visibility label (Private or Public).

Custom dashboards are read-only. They cannot change your storage or workload settings.

Before you begin

You must have at least one custom dashboard in your Workload Factory account.

Access the dashboard catalog

Steps

1. Log in to the [NetApp Console](#).
2. From the NetApp Console menu, select **Workloads > Workloads Overview > Custom dashboards**.

The dashboard catalog shows all custom dashboards in your Workload Factory account.

3. Review the dashboard list.

Change dashboard visibility

Make a dashboard public to share it with your team. Make it private to stop sharing it.

Steps

1. In the **Custom dashboards** page, locate the dashboard you want to update.
2. From the **Actions** drop-down menu  for that dashboard, select one of the following:
 - **Share dashboard** - Makes the dashboard visible to all users in your Workload Factory account
 - **Change to private dashboard** - Makes the dashboard visible only to you

Result

The dashboard updates immediately. The visibility label on the dashboard card shows the current status.

Refresh dashboard data

Dashboard data loads when you open a dashboard. You can refresh it to see the latest information.

The dashboard reloads data from your workloads. The last updated time changes to show when the data was refreshed.

Delete a dashboard

Delete dashboards you no longer need. This action is permanent and cannot be undone.

Steps

1. In the **Custom dashboards** page, locate the dashboard you want to remove.
2. From the **Actions** drop-down menu for that dashboard, select **Delete**.
3. Confirm the deletion.

Result

The dashboard is permanently removed from your Workload Factory account, and all users lose access to it.

Related information

- [Create additional custom dashboards](#)
- [Troubleshoot custom dashboards](#)

Troubleshoot custom dashboards in NetApp Workload Factory

Use this information to resolve common issues you might encounter when creating or using custom dashboards.

Dashboard creation failed

Problem: You see the error message “Failed to understand request and generate code” when creating a dashboard.

Cause: The system could not understand your request or could not create the visualization from your prompt.

Solution: Try the following:

- Rewrite your request with clearer details about what you want to monitor.
- Start with one of the sample prompts in [Create a custom dashboard](#).
- Break complex monitoring needs into several simpler dashboards.
- Specify the workloads, metrics, time ranges, or dimensions you want to track.

Dashboard failed to load data

Problem: The dashboard was created, but it shows errors when loading data.

Cause: This usually happens because of permission problems or unavailable data sources.

Solution:

- **Check permissions:** Make sure your Workload Factory account has read access to the workloads and resources used by the dashboard. Review the permissions requirements in [AWS credentials and permissions](#).
- **Verify credentials:** Confirm that your AWS credentials are valid and have not expired. See [Add AWS credentials](#) for details.

Dashboard not loading or loading slowly

Problem: The dashboard loads slowly or some widgets do not appear.

Cause: Slow loading can be caused by network issues, large amounts of data, or temporary service delays.

Solution:

- **Check your internet connection:** Make sure your internet connection is stable.
- **Refresh your browser:** Try refreshing the page to see if the dashboard loads correctly.
- **Clear your browser cache and cookies:** This can help resolve loading issues caused by outdated or corrupted data.
- **Wait and try again:** If the problem continues, wait a few minutes and try again.

Missing dashboards

Problem: A dashboard you created is no longer listed in the dashboard catalog.

Cause: Another user in your Workload Factory account might have deleted it.

Solution:

- Make sure you are logged into the correct Workload Factory account.
- Ask other users in your account if someone deleted the dashboard.
- If necessary, recreate the dashboard using the original requirements.

All users in a Workload Factory account can view and delete custom dashboards. Coordinate with your team when managing shared dashboards.

Additional help

If you continue to experience issues with custom dashboards, see [Get help](#) for information about contacting NetApp support.

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