



Amazon FSx for NetApp ONTAP

Well-architected dashboard

NetApp

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Amazon FSx for NetApp ONTAP

Configuration analysis for Amazon FSx for NetApp ONTAP

The well-architected dashboard in NetApp Console analyzes storage system configurations regularly to determine if any there are any configuration issues with your Amazon FSx for NetApp ONTAP file systems. When issues are found, the dashboard shows you what the issues are and explains what needs to change to ensure your storage systems achieve peak performance, cost efficiency, and compliance with best practices.

Key capabilities include:

- Daily configuration analysis
- Automatic best practice validations for NetApp ONTAP storage systems and partner storage providers
- Proactive observability
- Insights to action

How it works

Workload Factory analyzes your workloads running on supported cloud storage systems deployments daily. The analysis provides well-architected status, insights, and recommendations.

After the daily analysis completes, configurations appear as "optimized" or "not optimized" in the Well-architected dashboard for the deployment. You'll find configuration issues by category and a list of configuration issues and recommendations. You can review the recommendations for configuration issues. Some issues can be fixed automatically by Workload Factory, while others require manual intervention. In this case, Workload Factory provides detailed instructions to help you implement the recommended changes.

You can dismiss the analysis of configurations that do not apply to your environments. This avoids unnecessary alerts and inaccurate optimization results.

You can also create custom rules in plain language to validate your environments against your organization's standards and NetApp best practices. Test rules with a dry run, then schedule them to run across your environments. [Learn more about custom rules.](#)

Why it matters

Workload Factory applies best practices to large storage, database, and VMware environments by combining ongoing assessment with recommendation insights and remediation. Automated fixes applied in the NetApp Console reduce human error, ensure uniform management, and preserve performance and reliability across your workload infrastructures.

Analysis requirements

For a complete file system analysis, you must do the following:

- [Deploy a NetApp Console agent](#) or [associate a link](#) to set up connectivity between the file system and NetApp Console.

- Grant *view, planning, and analysis* permissions in your AWS account.

[Learn how to grant permissions to an AWS account](#)

Unresolved directive in fsx/configuration-analysis-fsx.adoc - include::_include/fsx-configurations.adoc[]

What's next

[Implement well-architected FSx for ONTAP file system configurations](#)

Implement well-architected FSx for ONTAP file system configurations

Using configuration analysis insights and recommendations, leverage NetApp to implement best practices for your FSx for ONTAP file systems. You can easily review the well-architected status, learn about issues with your configurations, take action to improve the architecture of any systems that aren't optimized for reliability, security, efficiency, performance, and cost.

You can also dismiss the analysis of specific storage configurations that don't apply to your storage environment to avoid unnecessary alerts and inaccurate optimization results.

[Learn about the configuration analysis and well-architected status.](#)

About this task

The well-architected dashboard analyzes Amazon FSx for NetApp ONTAP file system deployment configurations daily. The daily analysis provides the well-architected status, insights, and recommendations. You can automatically fix configuration issues to meet best practices.

Link or Console agent connectivity allows the well-architected dashboard in the NetApp Console to complete a comprehensive scan of your file systems for issues with performance, data protection, and configurations. This ensures that you receive accurate insights and recommendations for optimizing your FSx for ONTAP file systems.

Storage configuration requirements vary. You can dismiss the analysis of specific configurations that don't apply to your storage environment. This helps you avoid unnecessary alerts and inaccurate optimization results.

Before you begin

- You must [grant operations and remediation permissions](#) in your AWS account.
- [Install a Console agent](#) or [Connect to an FSx for ONTAP file system using a link](#) for the most comprehensive analysis of your file system resources.

Fix a configuration issue

You can fix configuration issues for an FSx for ONTAP file system or for selected volumes in a file system. You can select one or more configurations to fix.

Fixing configuration issues can cause instance downtimes or service interruptions. Review each recommendation carefully before fixing a configuration issue.

Steps

1. Log in to the [NetApp Console](#).
2. From the NetApp Console menu, select **Workloads** and then **Well-architected**.
3. From the Well-architected dashboard, select **View** for any configuration.

Make sure you review the recommendation carefully. The recommendation explains best practices and potential pitfalls of unoptimized configurations.

4. Select to **Fix**.

When **View and fix** is an option, select the impacted volumes to fix.

5. Review the summary and action items in the dialog to learn what happens if you fix the issue. Some operations can cause instance downtimes or service interruptions.
6. Select **Continue** to fix the configuration issue.

Result

Workload Factory starts the process to fix the issue. Select the account settings menu and then select **Tracker** to view the status of the operation.

Dismiss a configuration analysis

Stop a configuration analysis for an FSx for ONTAP file system or for selected volumes. You can restart the analysis when needed.

Dismiss a configuration analysis for a file system

Steps

1. Log in to the [NetApp Console](#).
2. From the NetApp Console menu, select **Workloads** and then **Well-architected**.
3. Under Configurations, identify the configuration that doesn't apply to your environment and then select **Dismiss**.
4. In the Dismiss configuration dialog, select **Dismiss** to stop the configuration analysis.

Dismiss a configuration analysis for a volume

Steps

1. Log in to the [NetApp Console](#).
2. From the NetApp Console menu, select **Workloads** and then **Well-architected**.
3. Under Configurations, identify the configuration to dismiss for selected volumes and then select **View and fix**.
4. Identify the volumes to dismiss from the configuration analysis.
 - For one volume: select the actions menu and then select **Dismiss volume**.
 - For multiple volumes: select the volumes and then select **Dismiss** next to Bulk action.
5. Select **Dismiss** to stop the analysis for the configuration.
6. In the Dismiss volumes dialog, select **Dismiss** to confirm.

Result

The configuration analysis stops for the file system or selected volumes.

You can reactivate the analysis at any time.

Reactivate a dismissed configuration analysis

Reactivate a dismissed configuration analysis at any time. You can select one or more configurations to reactivate.

Reactivate a configuration analysis for a file system

Steps

1. Log in to the [NetApp Console](#).
2. From the NetApp Console menu, select **Workloads** and then **Well-architected**.
3. From the Well-architected dashboard, select **Dismissed configurations**.
4. Identify the configuration you want to reactivate and select **Reactivate**.

Reactivate a configuration analysis for a volume

Steps

1. Log in using one of the [console experiences](#).
2. Select the menu  and then select **Storage**.
3. From the Storage menu, select **Well-architected**.
4. Select **Dismissed configurations**.
5. Identify the volume(s) to reactivate from the configuration analysis.
 - For one volume: select the actions menu and then select **Reactivate volume**.
 - For multiple volumes: select the volumes and then select **Reactivate** next to Bulk action.

Result

The configuration analysis reactivates. Workload Factory runs a new analysis daily.

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