ONTAP alerts documentation

ONTAP alerts

NetApp
October 06, 2025

This PDF was generated from https://docs.netapp.com/us-en/console-alerts/index.html on October 06, 2025. Always check docs.netapp.com for the latest.

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ONTAP alerts documentation

Release notes

What's new with ONTAP alerts

Learn what's new in ONTAP alerts.

06 October 2025

BlueXP alerts is now ONTAP alerts

BlueXP alerts has been renamed to ONTAP alerts.

You can access it from the NetApp Console left navigation bar by selecting **Storage** > **Alerts**.

BlueXP is now NetApp Console

The NetApp Console, built on the enhanced and restructured BlueXP foundation, provides centralized management of NetApp storage and NetApp Data Services across on-premises and cloud environments at enterprise grade—delivering real-time insights, faster workflows, and simplified administration, that is highly secure and compliant.

For details on what's changed, see the NetApp Console release notes.

07 October 2024

BlueXP alerts list page

You can quickly identify ONTAP clusters that have low capacity or low performance, gauge the extent of availability, and identify security risks. You can view alerts related to capacity, performance, protection, availability, security, and configuration.

Alerts details

You can drill into alert details and find recommendations.

View cluster details linked to ONTAP System Manager

With BlueXP alerts, you can view alerts associated with your ONTAP storage environment and drill into the details that are linked to ONTAP System Manager.

Learn about BlueXP alerts.

Get started

Learn about ONTAP alerts

View issues or potential risks in your NetApp on-premises ONTAP systems using the NetApp Console. You can drill into details using ONTAP System Manager.

NetApp Console

View ONTAP alerts in the NetApp Console.

The NetApp Console provides centralized management of NetApp storage and data services across on-premises and cloud environments at enterprise grade. The Console is required to access and use NetApp data services. As a management interface, it enables you to manage many storage resources from one interface. Console administrators can control access to storage and services for all systems within the enterprise.

You don't need a license or subscription to start using the NetApp Console and you only incur charges when you need to deploy Console agents in your cloud to ensure connectivity to your storage systems or NetApp data services. However, some NetApp data services accessible from the Console are licensed or subscription-based.

Learn more about the NetApp Console.

What you can do with ONTAP alerts

View ONTAP alerts to stay informed about risks or potential risk in your ONTAP storage system. You can see some non-EMS alerts and some EMS alerts. You can see information about these severities and impact areas:

- **Severities**: Critical, Warning, Informational
- **Impact areas**: Capacity, Performance, Protection, Availability, Security, Configuration

The Notifications option in the upper right of the NetApp Console UI monitors the status of operations that NetApp Console is performing to help you identify issues that you need to address. You can have these notifications sent to your email. The Notifications option does not include the alerts from ONTAP alerts.

Benefits of monitoring ONTAP alerts

Monitoring ONTAP alerts provides the following benefits:

- Get alerts about your ONTAP storage across clusters.
- View alerts in the same NetApp Console UI that you use for other services.
- Drill into alerts on ONTAP clusters — start from the NetApp Console and see details in ONTAP System Manager.

Cost

You can view ONTAP alerts with a NetApp ONTAP license.

Licensing

Viewing ONTAP alerts requires a NetApp ONTAP 9.10 or greater license.

You do not need to have a trial license.

ONTAP alerts can be viewed in the NetApp Console standard (public) mode only.

How ONTAP alerts work

ONTAP alerts is a core component of NetApp Console. ONTAP alerts monitors ONTAP clusters and receives alert data from ONTAP.

ONTAP alerts is available only in the NetApp Console SaaS environment. It is not available in a local Console agent UI.

Supported systems and data sources

Use ONTAP alerts to check on issues in the following systems and data sources.

Systems supported

An on-premises ONTAP NAS or SAN system is supported.

Cloud Volumes ONTAP systems are not supported at this time.

Data sources supported

View alerts regarding certain events that occur in ONTAP. They are a combination of EMS and metric-based alerts.

ONTAP alerts prerequisites

Get started with ONTAP alerts by verifying the readiness of your operational environment.

To view ONTAP alerts, you'll need these prerequisites:

- ONTAP 9.10 and later. The on-premises system must be discovered in the NetApp Console Systems page.
  - Cluster admin ONTAP permissions

    The license does not need to be entered in NetApp Console digital wallet.
- In NetApp Console:
  - A NetApp Console system with NetApp on-premises NAS or SAN storage
  - A Console agent for an on-premises region must be set up in NetApp Console. Refer to NetApp Console documentation to configure the Console agent.

    If a cluster is removed from the Console agent, the alerts related to that cluster remain for 90 days. Also, if you change the Console agent, the alerts remain associated with the original cluster and agent for 90 days. If you return to the original agent, you will again see those alerts.
  - A NetApp Console organization with at least one active Console agent connecting to on-premises ONTAP clusters. All source and systems must be in the same NetApp Console organization.

- A NetApp Console user in that organization with Organization Admin privileges for discovering resources
- Standard NetApp Console requirements

Quick start for ONTAP alerts

Here's an overview of the steps needed to get started with ONTAP alerts. The links within each step take you to a page that provides more details.

1 **Review prerequisites**

Ensure your environment meets these requirements.

2 **Set up ONTAP alerts**

Configure a Console agent in NetApp Console.

3 **What's next?**

After you set up ONTAP alerts, here's what you might do next.

- View storage issues and potential risks on the Alerts list page.
- View alert details in ONTAP System Manager.

Set up ONTAP alerts

To use ONTAP alerts, perform a few steps to set it up.

Before you begin, review prerequisites to ensure that your environment is ready.

Review standard NetApp Console requirements.

Access to cluster resources

To view the alerts, the logged-in user must be part of the NetApp Console organization and should have the required access to the cluster resource.

Create the Console agent

You should reach out to your NetApp Sales Rep to try out or use ONTAP alerts. Then, when you use the Console agent, it will include the appropriate capabilities for ONTAP alerts.

To create the Console agent in the NetApp Console, refer to the BlueXP documentation that describes how to create a Console agent.

After you set up the Console agent and add the system, wait about 15 minutes for the initial discovery.

Access ONTAP alerts

You use the NetApp Console to view ONTAP alerts.

To log in to the NetApp Console, you can use your NetApp Support Site credentials or you can sign up for a NetApp cloud login using your email and a password. Learn more about logging in.

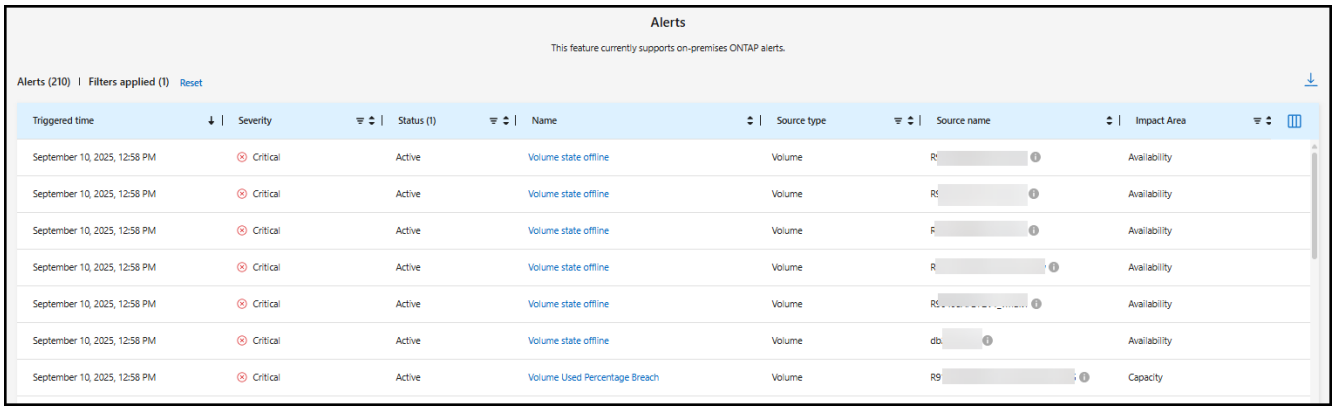
Steps

1. Open a web browser and go to the NetApp Console.

   The Console login page appears.

2. Log in to the Console.
3. From the Console left navigation bar, select **Storage** > **Alerts**.

   The Alerts list page appears.



Use ONTAP alerts

View ONTAP alerts overview

View storage issues and see details with links directly to ONTAP System Manager.

- View storage issues or potential risks from the Alerts list page.
- View alert details that are linked in ONTAP System Manager.

View potential risks in ONTAP storage using the Alerts list page

View at-a-glance information about the potential risks in your ONTAP system. You can quickly identify ONTAP clusters that have low capacity or low performance, gauge the extent of availability, determine availability, and identify security risks.

You can see information about these severities and impact areas:

- **Severities**: Critical, Warning, Informational
- **Impact areas**: Capacity, Performance, Availability, Protection, Security, Configuration

Alerts you might see

Here are some of the alerts that display.

The EMS severity maps to the ONTAP alerts severity in the following ways:

EMS alert severity:	NetApp Console alert severity:
alert or emergency	critical
error	None
Low	warning
notice	informational
informational	informational

List of alerts

Critical severity alerts:

- Aggregate state is not online
- Disk failure
- SnapMirror lag time is high
- Volume state offline
- Volume used percentage breach

EMS alerts:

- Antivirus server busy
- AWS credentials not initialized
- Cloud tier unreachable
- Disk out of service
- Disk shelf power supply discovered
- Disk shelves power supply removed
- FabricPool mirror replication resync completed
- FabricPool space usage limit nearly reached
- FabricPool space usage limit reached
- FC target port commands exceeded
- Giveback of storage pool failed
- HA interconnect down
- LUN destroyed
- LUN offline
- Main unit fan failed
- Main unit fan in warning state
- Max sessions per user exceeded
- Max times open per file exceeded
- MetroCluster automatic unplanned switchover disabled
- MetroCluster monitoring
- NetBIOS name conflict
- NFSv4 sore pool exhausted
- Node panic
- Node root volume space low
- Nonexistent admin share
- Non-responsive antivirus server
- No registered scan engine
- No Vscan connection

- NVMe namespace destroyed
- NVMe namespace offline
- NVMe namespace online
- NVMe-oF license grace period active
- NVMe-oF license grace period expired
- NVMe-oF license grace period start
- NVRAM battery low
- Object store host unresolvable
- Object store Intercluster LIF down
- Object store signature mismatch
- QoS monitor memory maxed out
- Ransomware activity detected
- Relocation of storage pool failed
- ONTAP Mediator added
- ONTAP Mediator not accessible
- ONTAP Mediator unreachable
- ONTAP Mediator removed
- READDIR timeout
- SAN "active-active" state changed
- Service processor heartbeat missed
- Service processor heartbeat stopped
- Service processor offline
- Service processor not configured
- Shadow copy failed
- SFP in FC target adapter receiving low power
- SFP in FC target adapter transmitting low power
- Shelf fan failed
- SMBC CA certificate expired
- SMBC CA certificate expiring
- SMBC client certificate expired
- SMBC client certificate expiring
- SMBC relationship out of sync
- SMBC server certificate expired
- SMBC server certificate expiring
- SnapMirror relationship out of sync
- Storage switch power supplies failed
- Storage VM anti-ransomware monitoring

- Storage VM stop succeeded
- System cannot operate due to main unit fan failure
- Too many CIFS authentications
- Unassigned disks
- Unauthorized user access to admin share
- Virus detected
- Volume anti-ransomware monitoring
- Volume automatic resizing succeeded
- Volume offline
- Volume restricted

For details on ONTAP alerts, refer to the ONTAP documentation and ONTAP System Manager insights at ONTAP System Manager insights into capacity, security, and configuration issues.

View ONTAP storage issues

Steps

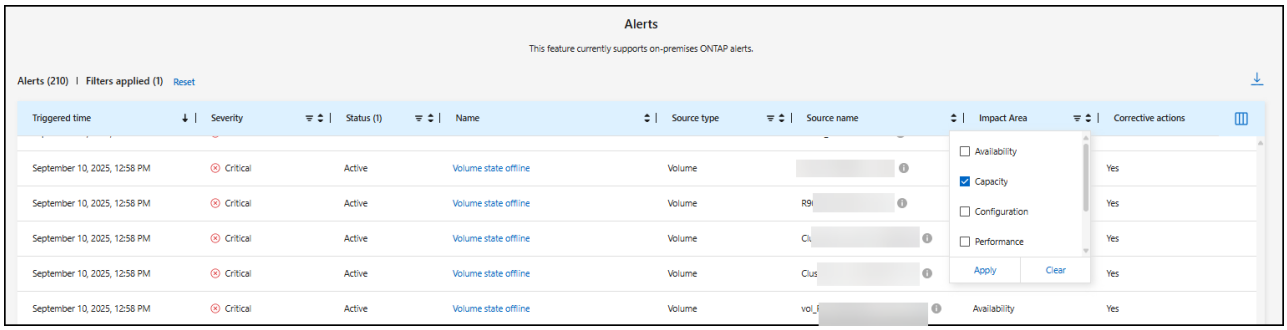
1. Log in to the NetApp Console.
2. From the Console left navigation bar, select **Storage** > **Alerts**.

   After discovery, the Alerts list page shows a list of alerts in your ONTAP system.

   There might be a delay between an event happening and ONTAP alerts showing it.

3. From the Alerts list page, you can view and do any of the following:
   - Change the sort order by selecting the up or down arrow for a column.
   - Change the filter in the columns to show only the information you want.

     For example, you might want to see only those alerts related to capacity. To do so, select the filter icon on the Impact area column, select **Capacity**, and select **Apply**.



   - Download a CSV file containing the alerts information.

     You can download up to 1000 alerts. The file includes data based on the filters that were set.

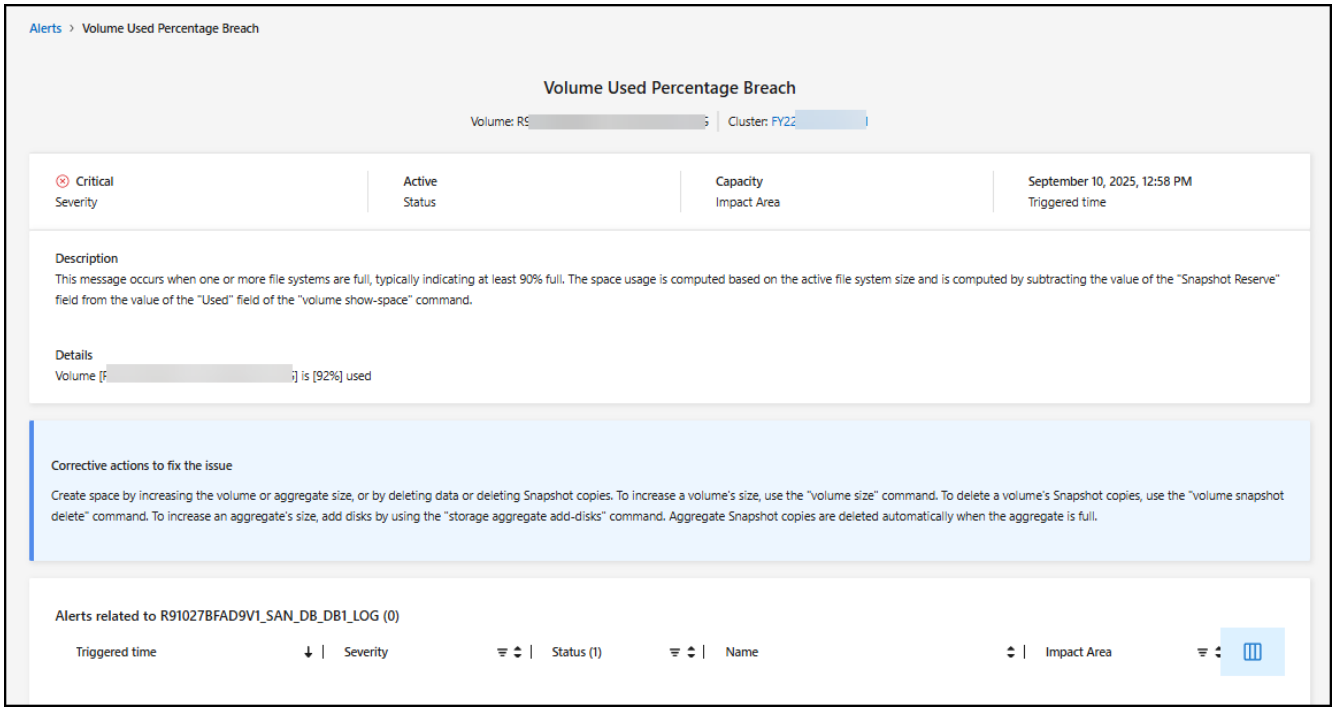
   - Select an alert and drill into the alert details on that cluster. See View alert details.

View alert details in your ONTAP storage system

View alerts associated with your ONTAP storage system and drill into the details.

View alert details

1. Log in to the NetApp Console.
2. From the Console left navigation bar, select **Storage** > **Alerts**.
3. From the Alerts list page, select an alert.



4. Scroll down to find suggested corrective actions.
5. Scroll down to find additional alerts that are related to the object on which the alert was raised.

View details about the cluster in ONTAP System Manager

1. From the Alerts list page, select an alert.
2. From the alert, select the cluster name at the top of the page.

   ONTAP System Manager now shows you information about the cluster.

Frequently asked questions for NetApp alerts

This FAQ can help if you're just looking for a quick answer to a question about NetApp alerts.

Access to NetApp alerts

What's the NetApp alerts URL?
For the URL, in a browser, enter: https://console.netapp.com/ to access the NetApp Console.

Do you need a license to use NetApp alerts?

Using NetApp alerts requires a NetApp ONTAP 9.10 or greater license. The license does not need to be entered in NetApp Console digital wallet.

You do not need to have a trial license for NetApp alerts.

How do you enable NetApp alerts?
NetApp alerts does not require any enablement. The alerts option is automatically enabled on the NetApp Console left navigation.

To get going, when you use the Console agent, it will include the appropriate capabilities for NetApp alerts.

Does NetApp alerts available in standard, restricted, and private modes?
NetApp alerts can be deployed in the NetApp Console standard (public) only.

For an explanation about these modes across all NetApp Console services, refer to NetApp Console deployment modes.

How are access permissions handled?
Only NetApp Console organization admins have the ability to initiate NetApp alerts and discover workloads (because this involves committing to usage of a resource).

Alerts are shown to logged in users depending on their access to the cluster's resource in that NetApp Console organization.

View alerts

How long do I need to wait before I start getting alerts?

Wait a maximum of 15 minutes for initial discovery and after that a maximum of 5 minutes for alerts to appear. This varies from alert to alert.

***Why can't I see the alerts for ONTAP using direct mode without the Console agent?**

NetApp alerts is available only using the on-premises standard Console agent. Using the direct mode does not monitor the clusters and does not display the alerts.

Why are some alerts disappearing from the Alerts list page?

The alerting feature keeps some alerts in an Active state and closes them after either the counter condition is met or a time period is reached. This varies from alert to alert.

To see all the alerts, select the Status column filter and select the Closed option.

Display of information

What device resolution is best?
The recommended device resolution for NetApp alerts is 1920x1080 or better.

Which browser should I use?
Any modern browser will work.

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