



Software updates documentation

Software updates

NetApp
January 29, 2026

This PDF was generated from <https://docs.netapp.com/us-en/console-software-updates/index.html> on January 29, 2026. Always check docs.netapp.com for the latest.

Table of Contents

- Software updates documentation 1
- Release notes 2
 - What's new in software updates 2
 - 06 October 2025 2
 - 12 May 2025 2
 - 02 April 2025 2
 - 07 August 2024 2
- Get started with software updates 3
 - Learn about software updates 3
 - NetApp Console 3
 - Supported ONTAP systems 3
 - Benefits of using software updates 4
 - Cost 4
 - Prepare to update ONTAP using software updates 4
 - Quick start to update ONTAP using software updates 4
 - Access software updates 5
 - Frequently asked questions for software updates 5
- Use software updates 7
 - Compare ONTAP versions to understand the benefits and risks of using software updates 7
 - Fix all blockers using software updates before an ONTAP upgrade 8
 - Initiate the ONTAP update using software updates 8
 - Validate the status of ONTAP storage system update 9
- Knowledge and support 10
 - Register for support 10
 - Support registration overview 10
 - Register NetApp Console for NetApp support 10
 - Associate NSS credentials for Cloud Volumes ONTAP support 12
 - Get help 14
 - Get support for a cloud provider file service 14
 - Use self-support options 14
 - Create a case with NetApp support 14
 - Manage your support cases 16
- Legal notices 18
 - Copyright 18
 - Trademarks 18
 - Patents 18
 - Privacy policy 18
 - Open source 18

Software updates documentation

Release notes

What's new in software updates

Learn what's new in software updates.

06 October 2025

BlueXP software updates is now software updates

BlueXP software updates has been renamed to software updates.

You can access it from the NetApp Console left navigation bar by selecting **Health > Software updates**.

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](#).

12 May 2025

BlueXP access role needed

You now need one of the following access roles to install software updates: **Organization admin**, **Folder or project admin**, **Storage admin**, **Storage viewer**, or **Storage health specialist**. Users with the Storage viewer role have various permissions related to software updates, but cannot install software updates. [Learn about BlueXP access roles](#).

02 April 2025

Mitigated risks

In the summary section of BlueXP software updates, you can now view the total number of risks that can be mitigated by the operating system update. This allows users to assess the security and stability improvements on their installation base.

07 August 2024

ONTAP update

The BlueXP software updates service provides a seamless update experience to users by mitigating risks, and ensuring customers can fully leverage ONTAP features.

Learn more about [BlueXP software updates](#).

Get started with software updates

Learn about software updates

You can use software updates to enable customers streamline ONTAP updates. This can help you reduce costs, accelerate critical workloads, and improve security.

Software updates automates the assessment, planning, and execution processes. The intelligent upgrade advisor predicts which versions best fit the specific system, recommending versions to remediate issues, improves efficiencies, and increases system security, allowing customers to determine the best option to meet their needs. Then it distributes the software package and automatically executes the automated non-distributive upgrade (ANDU), independent of support services.

NetApp Console

Software updates is accessible through 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 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](#).

Supported ONTAP systems

You can complete the ONTAP update using software updates only if you are running on ONTAP 9.10.1 or later versions.

The following information provides the software update process for different ONTAP versions:

Current ONTAP version	Update process
9.12.1 and later	All steps of ONTAP update happen within the Console.
9.10.1 to 9.12.1	Preparation for ONTAP update happens within the software updates screens. You will be navigated to System Manager to perform the actual ONTAP update. To execute all steps of ONTAP update within the Console, you need to set up a Console agent .
9.8 to 9.10.1	Preparation for ONTAP update happens within the software updates screens. You will be navigated to System Manager to perform the actual ONTAP update.



Software Updates is not supported with Cloud Volumes ONTAP.

Benefits of using software updates

Updating your ONTAP storage system can help you improve the performance, security, and functionality of your storage system.

Some of the benefits of updating your ONTAP storage system are:

- You can access the latest features and enhancements that ONTAP offers, such as new protocols, data services, and cloud integration options.
- You can fix any bugs or vulnerabilities that may affect your system stability, reliability, or security.
- You can optimize your system performance and efficiency by applying the latest patches and improvements.
- You can ensure compatibility and interoperability with other NetApp products, third-party applications, and cloud providers.
- You can benefit from the ongoing support and maintenance that NetApp provides for the latest ONTAP OS versions.

Cost

NetApp doesn't charge you for using software updates.

Prepare to update ONTAP using software updates

You should review the prerequisites and requirements before proceeding with your ONTAP update. You can use software updates to verify the readiness of your system, login, network access, and web browser.

Required NetApp Console role:

Organization admin, Folder or project admin, Storage admin, Storage viewer, or System health specialist.
[Learn about Console access roles.](#)

To use software updates, you should ensure that your system meets all requirements.

- A system is set up in the Console.
- Administrator credentials are available for the desired cluster while performing software update.
- All the nodes in the cluster are sending AutoSupport data.
- All nodes should be running on ONTAP 9.10.1 or later versions.
- Nodes should not be in a MetroCluster configuration.

Quick start to update ONTAP using software updates

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

1

Review prerequisites

[Ensure your system meets these requirements.](#)

2

Update your ONTAP storage system

You should complete all the tasks to update the ONTAP storage system.

- [Identify ONTAP target version.](#)
- [Fix and acknowledge blockers.](#)
- [Complete ONTAP storage system updates.](#)

3

What's next?

After you update the ONTAP storage system, here's what you might do next.

[Validate the status of ONTAP storage system update.](#)

Access software updates

To access software updates, you must log in to the NetApp Console.

Log in with your NetApp Support Site credentials or sign up using your email and password. [Learn more about logging in.](#)

Steps

1. Open a web browser and go to the [Console](#).

The Console displays the login page.

2. Log in to the Console.
3. From the Console left navigation, select **Health > Software updates**.

Frequently asked questions for software updates

If you want to know more about software updates or require any help with troubleshooting, you can review these questions for a quick answer.

What's the software updates URL?

For the URL, in a browser, enter: <https://console.netapp.com/> to access the NetApp Console.

Do you need a license to use software updates?

A NetApp License File (NLF) is not required.

Why am I not able to view the cluster in the history tab even after updating the ONTAP version of the cluster?

It takes 2 to 3 hours for the cluster to appear in the history tab. Once the ONTAP version of the cluster is updated, AutoSupport is generated. It takes 2 to 3 hours to process the AutoSupport data and reflect the latest version of ONTAP.

Why am I seeing the older version of ONTAP in the software updates dashboard even after updating the ONTAP version of the cluster?

It takes 2 to 3 hours for the cluster to appear in the history tab. Once the ONTAP version of the cluster is updated, AutoSupport is generated. It takes 2 to 3 hours to process the AutoSupport data and reflect the latest version of ONTAP.

Why am I seeing different screens for different updates?

This is due to the current ONTAP version and unavailability of a Console agent for clusters. A Console agent performs the ONTAP update within the Console and does not require you to move out of the Console for an update. If you do not have a Console agent, you will be redirected to System Manager and are required to re-enter the ONTAP cluster credentials. For information about the ONTAP update process for different versions of ONTAP, see [Supported ONTAP systems](#).

What do I need to discover clusters?

To perform ONTAP update for your desired cluster, you need the ONTAP cluster IP and the admin credentials for connecting to the cluster. As part of cluster discovery, you need to provide these details so that ONTAP update can be executed automatically.

You also need to have one of the following access roles: Org admin, Folder or project admin, or Storage admin.

Use software updates

Compare ONTAP versions to understand the benefits and risks of using software updates

It is very important to compare and understand the benefits and risks associated with the ONTAP target version before updating the ONTAP version for the storage system.

You can choose the target version and compare it with the current version to understand the benefits of updating to the specific version on ONTAP. You can also see the risks that will be resolved and the new risks (if any) that will arise on updating to the specific version of ONTAP.



You can use this feature only if you are running ONTAP 9.10.1 or later versions.

Steps

1. From the Console left navigation, select **Health > Software updates**.

The list of cluster that require an software update is displayed. You can either update to the recommended target version or choose another version.

If you...	Do this...
Want to update to the recommended version	<ol style="list-style-type: none">1. In the Target version column, click Compare versions to view the feature benefits and risks benefits of updating to the recommended ONTAP version.2. Select and view information about the risks that will be resolved, risk that will continue to remain, and the new risks that will be introduced after the update.3. Optionally, click Download update plan to download the a copy of the update plan.4. Click Start update to initiate the update process.
Want to choose another version	<ol style="list-style-type: none">1. In the Target version column, click the drop-down and select Choose other versions.2. Select the version to view the feature benefits and risks benefits.3. Select and view information about the risks that will be resolved, risk that will continue to remain, and the new risks that will be introduced after the update.4. Optionally, click Download update plan to download the a copy of the update plan.5. Select Start update to initiate the update process.

Fix all blockers using software updates before an ONTAP upgrade

After you have identified the ONTAP target version for your ONTAP storage system, you should fix and acknowledge all blockers and review the warnings before updating the ONTAP storage system.

You must fix and acknowledge all blockers before updating the software.

Steps

1. From the Console left navigation, select **Health > Software updates**.

The Console displays the list of clusters that require a software update.

2. Identify the ONTAP target version for your storage system. For information about identifying the ONTAP target version, see [Compare ONTAP versions to understand the benefits and risks of using software updates](#).
3. After you have decided on the ONTAP target version, select **Prepare for update** to initiate the update process.

The list of blockers and warnings are displayed.

4. Select the blocker to view the instructions to fix the blocker.
5. Manually perform the steps provided to fix the blocker.
6. Select the blockers that have been fixed and select **Acknowledge selected** to acknowledge that that blockers have been fixed.



You must fix and acknowledge all the blockers to proceed with the update.

7. Select **Warnings** tab to review the warnings before proceeding with the software update.
8. Select **Acknowledge** tab to view the blockers that have been fixed.
9. Select **Continue to update** to proceed with the update process.

Initiate the ONTAP update using software updates

After you have identified the ONTAP target version, fixed and acknowledged all the blockers, you can now initiate the update of your ONTAP storage system.

Steps

1. From the Console left navigation, select **Health > Software updates**.

The list of clusters that require an software update is displayed.

2. Identify the ONTAP target version for your storage system.

For information about identifying the ONTAP target version, see [Compare ONTAP versions to understand the benefits and risks of using software updates](#).

3. Fix and acknowledge the ONTAP blockers.

For information about fixing blockers, see [Fix all blockers using software updates before an ONTAP upgrade](#).

4. Read and accept the End user license agreement.

Wait for the ONTAP image to be retrieved.

5. Click **Install Update** to complete the update process.

Validate the status of ONTAP storage system update

You can use software updates to validate the status of the ONTAP update.

Steps

1. From the Console left navigation, select **Health > Software updates**.
2. Click the **History** tab to view the status of the ONTAP update.



It takes 2 to 3 hours for the cluster to reflect in the history tab.

Knowledge and support

Register for support

Support registration is required to receive technical support specific to the NetApp Console and its storage solutions and data services. Support registration is also required to enable key workflows for Cloud Volumes ONTAP systems.

Registering for support does not enable NetApp support for a cloud provider file service. For technical support related to a cloud provider file service, its infrastructure, or any solution using the service, refer to "Getting help" in the documentation for that product.

- [Amazon FSx for ONTAP](#)
- [Azure NetApp Files](#)
- [Google Cloud NetApp Volumes](#)

Support registration overview

There are two forms of registration to activate support entitlement:

- Registering your NetApp Console account serial number (your 20 digit 960xxxxxxx serial number located on the Support Resources page in the Console).

This serves as your single support subscription ID for any service within the Console. Each Console account must be registered.

- Registering the Cloud Volumes ONTAP serial numbers associated with a subscription in your cloud provider's marketplace (these are 20 digit 909201xxxxxxx serial numbers).

These serial numbers are commonly referred to as *PAYGO serial numbers* and get generated by the NetApp Console at the time of Cloud Volumes ONTAP deployment.

Registering both types of serial numbers enables capabilities like opening support tickets and automatic case generation. Registration is completed by adding NetApp Support Site (NSS) accounts to the Console as described below.

Register NetApp Console for NetApp support

To register for support and activate support entitlement, one user in your NetApp Console account must associate a NetApp Support Site account with their Console login. How you register for NetApp support depends on whether you already have a NetApp Support Site (NSS) account.

Existing customer with an NSS account

If you're a NetApp customer with an NSS account, you simply need to register for support through the Console.

Steps

1. Select **Administration > Credentials**.
2. Select **User Credentials**.

3. Select **Add NSS credentials** and follow the NetApp Support Site (NSS) authentication prompt.
4. To confirm that the registration process was successful, select the Help icon, and select **Support**.

The **Resources** page should show that your Console account is registered for support.

Note that other Console users will not see this same support registration status if they have not associated a NetApp Support Site account with their login. However, that doesn't mean that your account is not registered for support. As long as one user in the organization has followed these steps, then your account has been registered.

Existing customer but no NSS account

If you're an existing NetApp customer with existing licenses and serial numbers but *no* NSS account, you need to create an NSS account and associate it with your Console login.

Steps

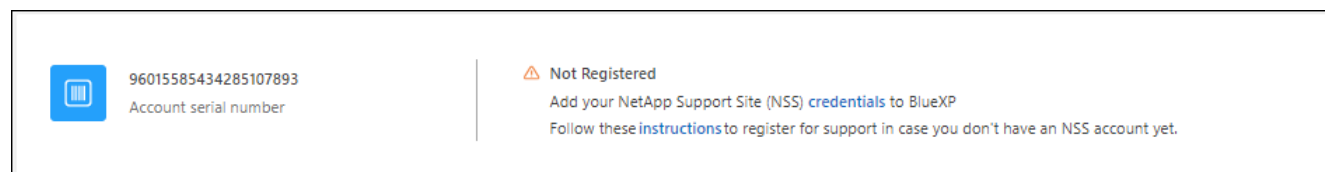
1. Create a NetApp Support Site account by completing the [NetApp Support Site User Registration form](#)
 - a. Be sure to select the appropriate User Level, which is typically **NetApp Customer/End User**.
 - b. Be sure to copy the Console account serial number (960xxxx) used above for the serial number field. This will speed up the account processing.
2. Associate your new NSS account with your Console login by completing the steps under [Existing customer with an NSS account](#).

Brand new to NetApp

If you are brand new to NetApp and you don't have an NSS account, follow each step below.

Steps

1. In the upper right of the Console, select the Help icon, and select **Support**.
2. Locate your account ID serial number from the Support Registration page.



3. Navigate to [NetApp's support registration site](#) and select **I am not a registered NetApp Customer**.
4. Fill out the mandatory fields (those with red asterisks).
5. In the **Product Line** field, select **Cloud Manager** and then select your applicable billing provider.
6. Copy your account serial number from step 2 above, complete the security check, and then confirm that you read NetApp's Global Data Privacy Policy.

An email is immediately sent to the mailbox provided to finalize this secure transaction. Be sure to check your spam folders if the validation email doesn't arrive in few minutes.

7. Confirm the action from within the email.

Confirming submits your request to NetApp and recommends that you create a NetApp Support Site account.

8. Create a NetApp Support Site account by completing the [NetApp Support Site User Registration form](#)
 - a. Be sure to select the appropriate User Level, which is typically **NetApp Customer/End User**.
 - b. Be sure to copy the account serial number (960xxxx) used above for the serial number field. This will speed up processing.

After you finish

NetApp should reach out to you during this process. This is a one-time onboarding exercise for new users.

Once you have your NetApp Support Site account, associate the account with your Console login by completing the steps under [Existing customer with an NSS account](#).

Associate NSS credentials for Cloud Volumes ONTAP support

Associating NetApp Support Site credentials with your Console account is required to enable the following key workflows for Cloud Volumes ONTAP:

- Registering pay-as-you-go Cloud Volumes ONTAP systems for support

Providing your NSS account is required to activate support for your system and to gain access to NetApp technical support resources.

- Deploying Cloud Volumes ONTAP when you bring your own license (BYOL)

Providing your NSS account is required so that the Console can upload your license key and to enable the subscription for the term that you purchased. This includes automatic updates for term renewals.

- Upgrading Cloud Volumes ONTAP software to the latest release

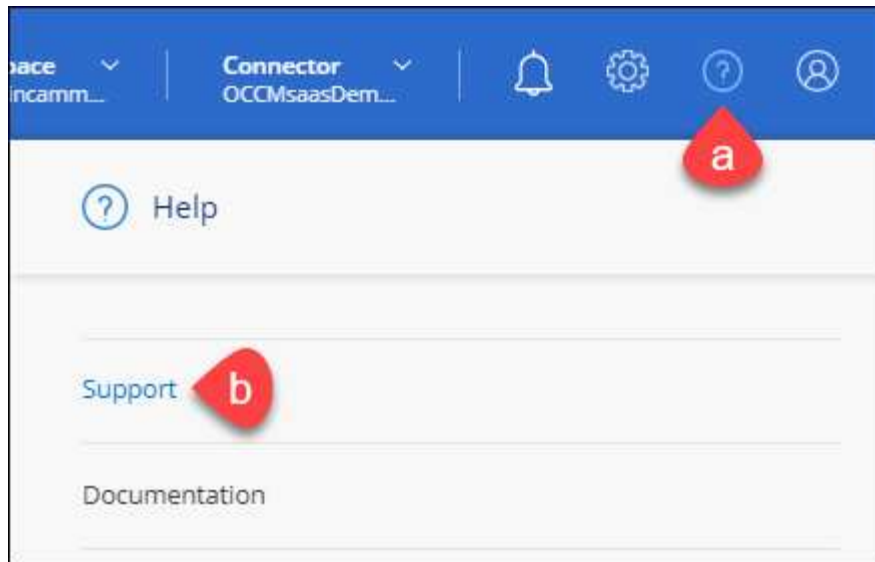
Associating NSS credentials with your NetApp Console account is different than the NSS account that is associated with a Console user login.

These NSS credentials are associated with your specific Console account ID. Users who belong to the Console organization can access these credentials from **Support > NSS Management**.

- If you have a customer-level account, you can add one or more NSS accounts.
- If you have a partner or reseller account, you can add one or more NSS accounts, but they can't be added alongside customer-level accounts.

Steps

1. In the upper right of the Console, select the Help icon, and select **Support**.



2. Select **NSS Management > Add NSS Account**.
3. When you're prompted, select **Continue** to be redirected to a Microsoft login page.

NetApp uses Microsoft Entra ID as the identity provider for authentication services specific to support and licensing.

4. At the login page, provide your NetApp Support Site registered email address and password to perform the authentication process.

These actions enable the Console to use your NSS account for things like license downloads, software upgrade verification, and future support registrations.


Note the following:


- The NSS account must be a customer-level account (not a guest or temp account). You can have multiple customer-level NSS accounts.
- There can be only one NSS account if that account is a partner-level account. If you try to add customer-level NSS accounts and a partner-level account exists, you'll get the following error message:

"The NSS customer type is not allowed for this account as there are already NSS Users of different type."

The same is true if you have pre-existing customer-level NSS accounts and try to add a partner-level account.

- Upon successful login, NetApp will store the NSS user name.

This is a system-generated ID that maps to your email. On the **NSS Management** page, you can display your email from the  menu.

- If you ever need to refresh your login credential tokens, there is also an **Update Credentials** option in the  menu.

Using this option prompts you to log in again. Note that the token for these accounts expire after 90 days. A notification will be posted to alert you of this.

Get help

NetApp provides support for NetApp Console and its cloud services in a variety of ways. Extensive free self-support options are available 24/7, such as knowledge base (KB) articles and a community forum. Your support registration includes remote technical support via web ticketing.

Get support for a cloud provider file service

For technical support related to a cloud provider file service, its infrastructure, or any solution using the service, refer to the documentation for that product.

- [Amazon FSx for ONTAP](#)
- [Azure NetApp Files](#)
- [Google Cloud NetApp Volumes](#)

To receive technical support specific to NetApp and its storage solutions and data services, use the support options described below.

Use self-support options

These options are available for free, 24 hours a day, 7 days a week:

- **Documentation**

The NetApp Console documentation that you're currently viewing.

- [Knowledge base](#)

Search through the NetApp knowledge base to find helpful articles to troubleshoot issues.

- [Communities](#)

Join the NetApp Console community to follow ongoing discussions or create new ones.

Create a case with NetApp support

In addition to the self-support options above, you can work with a NetApp Support specialist to resolve any issues after you activate support.

Before you get started

- To use the **Create a Case** capability, you must first associate your NetApp Support Site credentials with your Console login. [Learn how to manage credentials associated with your Console login.](#)
- If you're opening a case for an ONTAP system that has a serial number, then your NSS account must be associated with the serial number for that system.

Steps

1. In NetApp Console, select **Help > Support**.
2. On the **Resources** page, choose one of the available options under Technical Support:

- a. Select **Call Us** if you'd like to speak with someone on the phone. You'll be directed to a page on netapp.com that lists the phone numbers that you can call.
- b. Select **Create a Case** to open a ticket with a NetApp Support specialist:
 - **Service:** Select the service that the issue is associated with. For example, **NetApp Console** when specific to a technical support issue with workflows or functionality within the Console.
 - **System:** If applicable to storage, select **Cloud Volumes ONTAP** or **On-Prem** and then the associated working environment.

The list of systems are within scope of the Console organization, and Console agent you have selected in the top banner.

- **Case Priority:** Choose the priority for the case, which can be Low, Medium, High, or Critical.

To learn more details about these priorities, hover your mouse over the information icon next to the field name.

- **Issue Description:** Provide a detailed description of your problem, including any applicable error messages or troubleshooting steps that you performed.
- **Additional Email Addresses:** Enter additional email addresses if you'd like to make someone else aware of this issue.
- **Attachment (Optional):** Upload up to five attachments, one at a time.

Attachments are limited to 25 MB per file. The following file extensions are supported: txt, log, pdf, jpg/jpeg, rtf, doc/docx, xls/xlsx, and csv.

ntapitdemo
NetApp Support Site Account

Service

Select

Working Enviroment

Select

Case Priority

Low - General guidance

Issue Description

Provide detailed description of problem, applicable error messages and troubleshooting steps taken.

Additional Email Addresses (Optional)

Type here

Attachment (Optional)

No files selected

Upload

After you finish

A pop-up will appear with your support case number. A NetApp Support specialist will review your case and get back to you soon.

For a history of your support cases, you can select **Settings > Timeline** and look for actions named "create support case." A button to the far right lets you expand the action to see details.

It's possible that you might encounter the following error message when trying to create a case:

"You are not authorized to Create a Case against the selected service"

This error could mean that the NSS account and the company of record it's associated with is not the same company of record for the NetApp Console account serial number (ie. 960xxxx) or the working environment serial number. You can seek assistance using one of the following options:

- Submit a non-technical case at <https://mysupport.netapp.com/site/help>

Manage your support cases

You can view and manage active and resolved support cases directly from the Console. You can manage the

cases associated with your NSS account and with your company.

Note the following:

- The case management dashboard at the top of the page offers two views:
 - The view on the left shows the total cases opened in the past 3 months by the user NSS account you provided.
 - The view on the right shows the total cases opened in the past 3 months at your company level based on your user NSS account.

The results in the table reflect the cases related to the view that you selected.

- You can add or remove columns of interest and you can filter the contents of columns like Priority and Status. Other columns provide just sorting capabilities.



View the steps below for more details.

- At a per-case level, we offer the ability to update case notes or close a case that is not already in Closed or Pending Closed status.

Steps

1. In the NetApp Console, select **Help > Support**.
2. Select **Case Management** and if you're prompted, add your NSS account to the Console.

The **Case management** page shows open cases related to the NSS account that is associated with your Console user account. This is the same NSS account that appears at the top of the **NSS management** page.

3. Optionally modify the information that displays in the table:
 - Under **Organization's cases**, select **View** to view all cases associated with your company.
 - Modify the date range by choosing an exact date range or by choosing a different time frame.
 - Filter the contents of the columns.
 - Change the columns that appear in the table by selecting  and then choosing the columns that you'd like to display.
4. Manage an existing case by selecting  and selecting one of the available options:
 - **View case**: View full details about a specific case.
 - **Update case notes**: Provide additional details about your problem or select **Upload files** to attach up to a maximum of five files.

Attachments are limited to 25 MB per file. The following file extensions are supported: txt, log, pdf, jpg/jpeg, rtf, doc/docx, xls/xlsx, and csv.

- **Close case**: Provide details about why you're closing the case and select **Close case**.

Legal notices

Legal notices provide access to copyright statements, trademarks, patents, and more.

Copyright

<https://www.netapp.com/company/legal/copyright/>

Trademarks

NETAPP, the NETAPP logo, and the marks listed on the NetApp Trademarks page are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.

<https://www.netapp.com/company/legal/trademarks/>

Patents

A current list of NetApp owned patents can be found at:

<https://www.netapp.com/pdf.html?item=/media/11887-patentspage.pdf>

Privacy policy

<https://www.netapp.com/company/legal/privacy-policy/>

Open source

Notice files provide information about third-party copyright and licenses used in NetApp software.

Copyright information

Copyright © 2026 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.