



BlueXP migration reports

BlueXP migration reports

NetApp

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BlueXP migration reports

Release notes

What's new

Learn what's new in BlueXP migration reports.

13 November 2023

You can now create reports for volumes that use the SMB/CIFS protocol.

03 September 2023

The updated BlueXP migration reports service provides updates to the report data. Reports now include allocated capacity.

02 June 2023

With the new BlueXP migration reports service, you can quickly identify the number of files, directories, symbolic links, hard links, depth and breadth of file system trees, largest files, and more in your storage landscape.

With this information, you will know ahead that the process you want to use can handle your inventory efficiently and successfully.

[Learn more about BlueXP migration reports.](#)

Get started

Learn about BlueXP migration reports

When you are preparing to move, migrate, or clone file system data, you first need to determine what you have. With the BlueXP migration reports service, you can quickly identify the number of files, directories, symbolic links, hard links, depth and breadth of file system trees, largest files, and more in your storage landscape. With this information, you will know ahead that the process you want to use can handle your inventory efficiently and successfully.

The BlueXP migration reports service shows information for NFS and AWS S3 working environments.

Benefits of BlueXP migration reports

The BlueXP migration reports service offers the following benefits:

- Provides a simple process to obtain data protection status of your working environment
- Offers a storage landscape
- Reduces the time spent in identifying additional storage needs

What you can do with BlueXP migration reports

Using BlueXP migration reports, you can accomplish the following:

- Create reports.
- Identify how the data has changed from one report date to another by using the Reports Distribution charts.
- Enable email notifications about report generation.
- Delete reports.

Cost

NetApp doesn't charge you for using the service.

Licensing

A NetApp License File (NLF) is not required.

BlueXP migration reports prerequisites

Get started by verifying the readiness of your operational environment, login, network access, and web browser.

The BlueXP migration reports service has the following prerequisites:

- Access to the data LIF in the Cloud Volumes ONTAP Azure NetApp Files, Amazon FSx for NetApp ONTAP, or on-premises working environments

- Use of ONTAP 9.7 or later
- Export policy configured in ONTAP. An export policy defines the access rules to the volume.
- The BlueXP Connector set up in NetApp BlueXP to the cluster management LIF. The cluster management LIF is a virtual network interface that enables you to perform cluster management operations. Refer to BlueXP documentation to [configure the BlueXP Connector](#).
- Standard [BlueXP requirements](#)

Quick start for BlueXP migration reports

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

1

Review prerequisites

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

2

What's next?

Here's what you might do next.

- [Create a report.](#)
- [View a report sample.](#)
- [Delete a report.](#)

Set up BlueXP migration reports

You do not need to configure the BlueXP migration reports service. The BlueXP migration reports option is automatically enabled and appears on the BlueXP left navigation.

Access BlueXP migration reports

BlueXP is accessible from your web browser through the BlueXP SaaS-based user interface.

To log in to BlueXP, 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

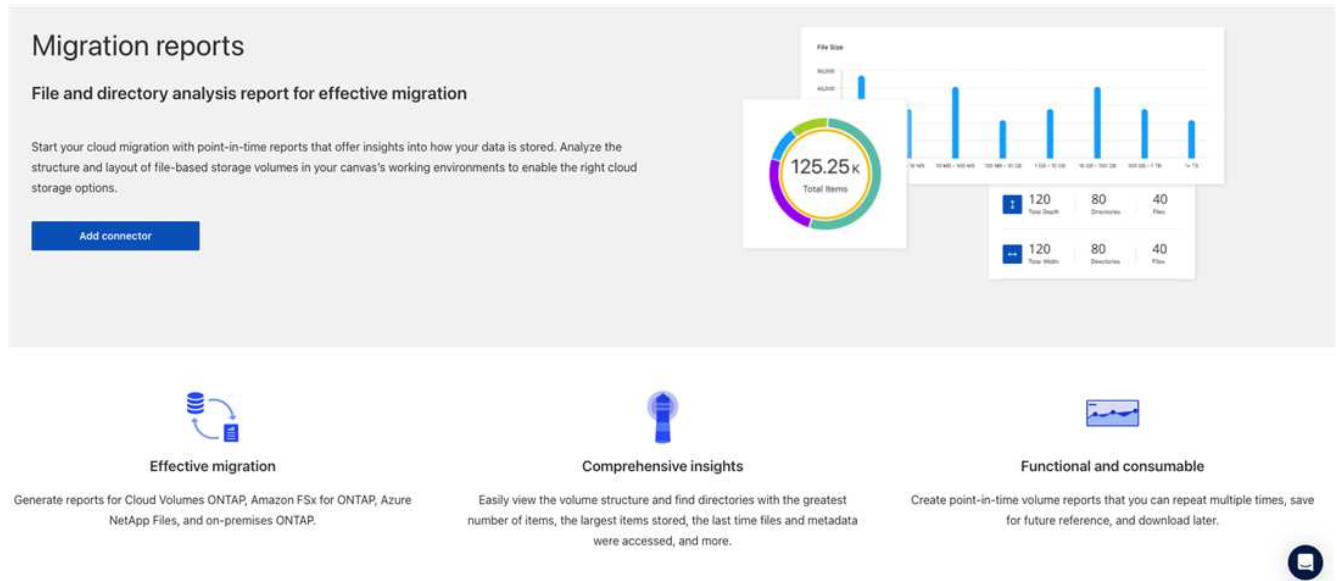
1. Open a web browser and go to the [BlueXP console](#).

The NetApp BlueXP login page appears.

2. Log in to BlueXP.
3. Do one of the following:
 - From the BlueXP left navigation, select **Storage > Migration reports**.

- From the BlueXP Canvas, select your working environment. In the right panel, select **Reports > View Cluster Reports**.

If you have not generated any reports, a landing page appears. If you have generated reports, the report listing appears. If you selected a specific cluster in the BlueXP Canvas right panel, reports are filtered only for that cluster.



Frequently asked questions for BlueXP migration reports

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

Access to BlueXP migration reports service

What's the BlueXP migration reports service URL?

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

How do you set up BlueXP migration reports?

The BlueXP migration reports service does not require any set up. The BlueXP migration reports option is automatically enabled on the BlueXP left navigation.

Do I need a data broker?

In BlueXP copy and sync (Cloud Sync), you might need a data broker. However, the BlueXP migration reports service does not require a data broker.

Licensing

Do you need a license to use BlueXP migration reports?

A NetApp License File (NLF) is not required.

Use BlueXP migration reports

Reports overview

With the BlueXP migration reports service, you can quickly identify the number of files, directories, symbolic links, hard links, depth and breadth of file system trees, largest files, and more in your storage landscape.

The BlueXP migration reports service display data by volumes.

Using BlueXP migration reports, you can accomplish these goals:

- [Create a report](#)
- [Enable notifications](#)
- [Delete a report](#)

Create a report

You can create a volumes report that shows the number of files, files in directories, symbolic links, hard links, largest file sizes, allocated capacity, and more.

Each time you create a report, the BlueXP migration reports service scans the path and compiles the data. Using the same report definition, you can have multiple instances of that report.

The BlueXP migration reports service shows data by volumes.

You can generate only one report at a time.

You can also download the report as a PDF file.



All BlueXP migration reports operations are listed in the BlueXP Timeline. To see the Timeline, select BlueXP **Settings** > **Timeline**.

Steps

1. From the BlueXP left nav, select **Storage** > **Migration reports**.
2. Select **Create New Report**.
3. Enter a report name.
4. Select a working environment from the drop-down list.

Only those environments that are active and enabled in BlueXP appear in the list of working environments.



The BlueXP Connector must have access to the data LIF of the volume in order to access the data.

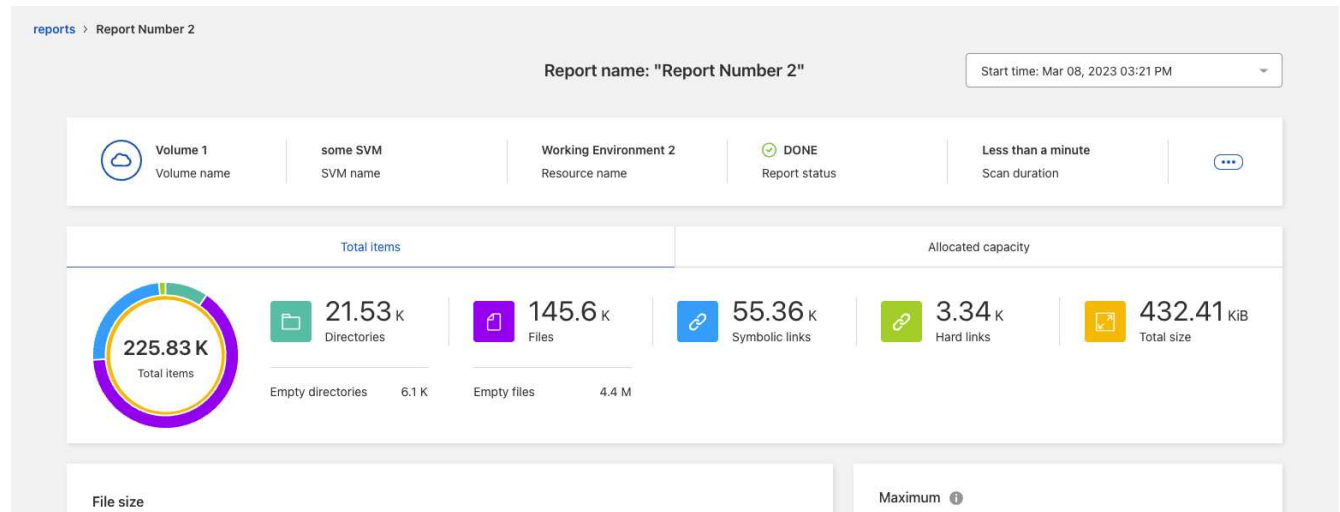
If you want to enable an environment, refer to [Learn about Connectors in BlueXP documentation](#).

5. Using the **Search** icon, search for the volume to report on or choose from the list.

6. Select the volume.
7. Select **Create report**.

The BlueXP migration reports service generates the report and lists it in the reports list.

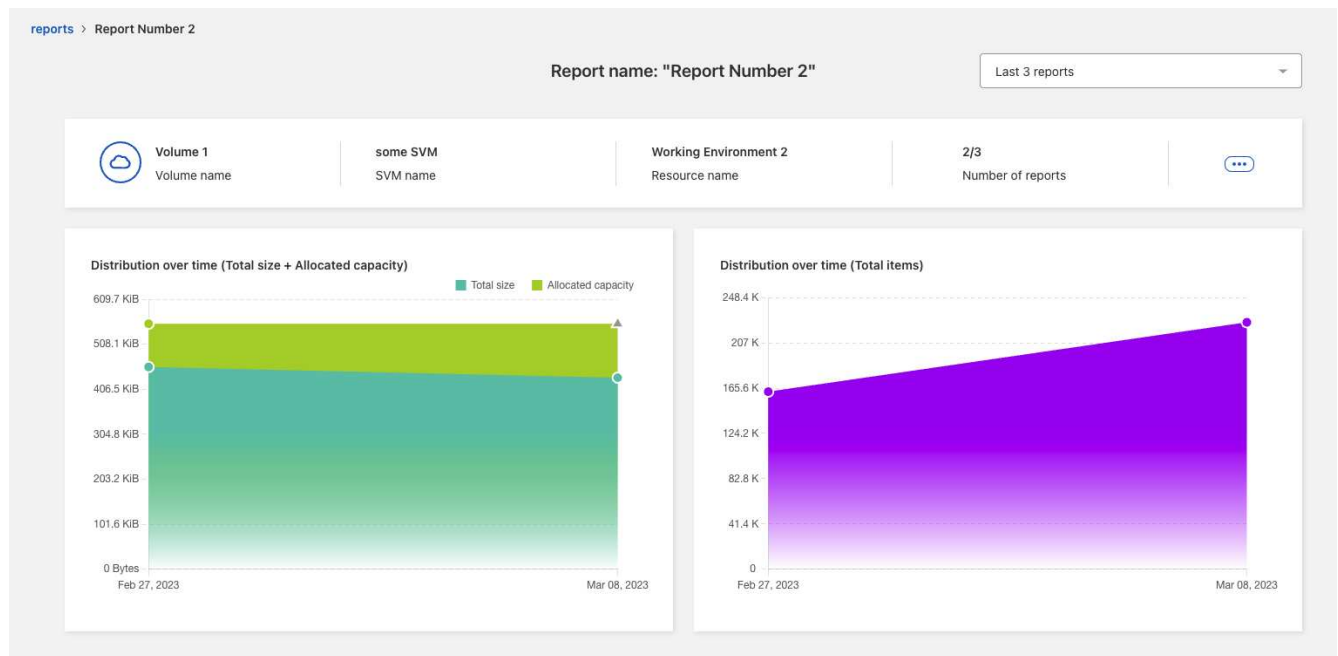
8. To display the report, select the **Actions** ... option on the right and select **View Report**.



9. Choose any of the following options:
 - To view and download a PDF file of the report, select the **Actions** ... option and select **Download Report**.
 - To generate another instance of the same report, select the report row and on the right, select **Add report**.
 - To display information about all items, choose the **Total items** tab.
 - To display only allocated capacity information, choose the **Allocated capacity** tab.
 - To view the Distribution report, from the Actions menu on the right, select **View Reports Distribution**.



The Reports Distribution information is available only on completed reports and only if there are at least two completed reports.

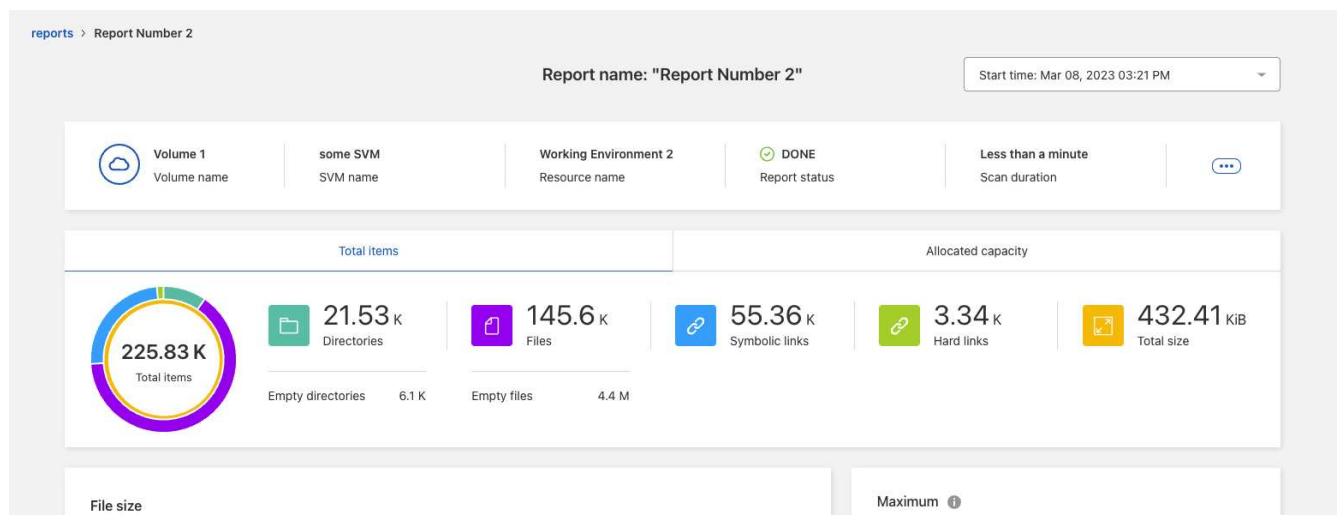


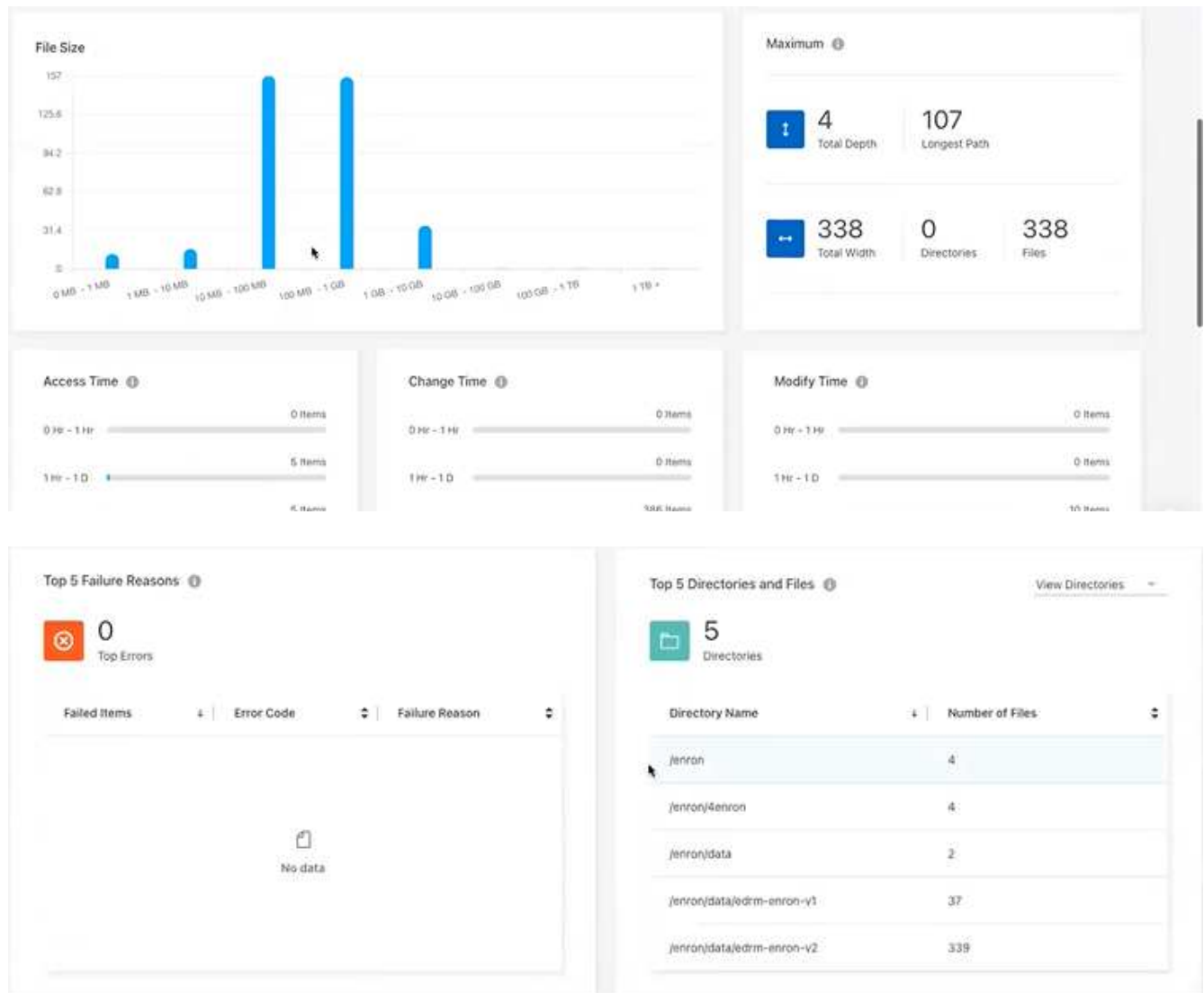
View a sample report - the Volumes report

Look at a sample Volumes report and learn what the data is showing.

Steps

1. From the BlueXP left nav, select **Storage > Migration reports**.

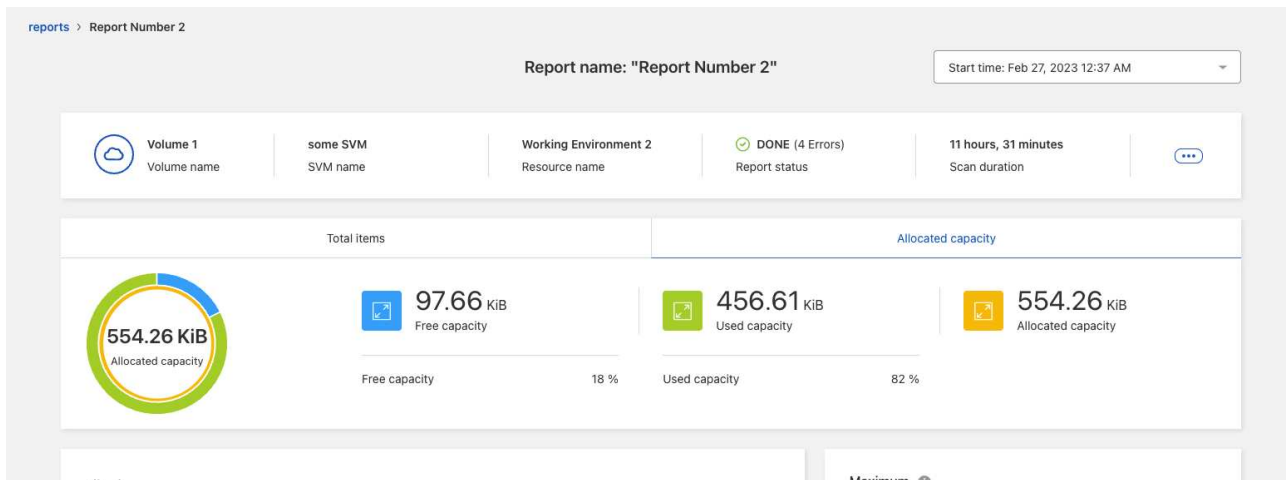




2. To learn what the columns mean, hover over some of the information.

3. Choose any of the following options:

- To view and download a PDF file of the report, select the **Actions** ... option and select **Download Report**.
- To generate another instance of the same report, select the report row and on the right, select **Add report**.
- To display information about all items, choose the **Total items** tab.
- To display only allocated capacity information, choose the **Allocated capacity** tab.



4. View the report information:

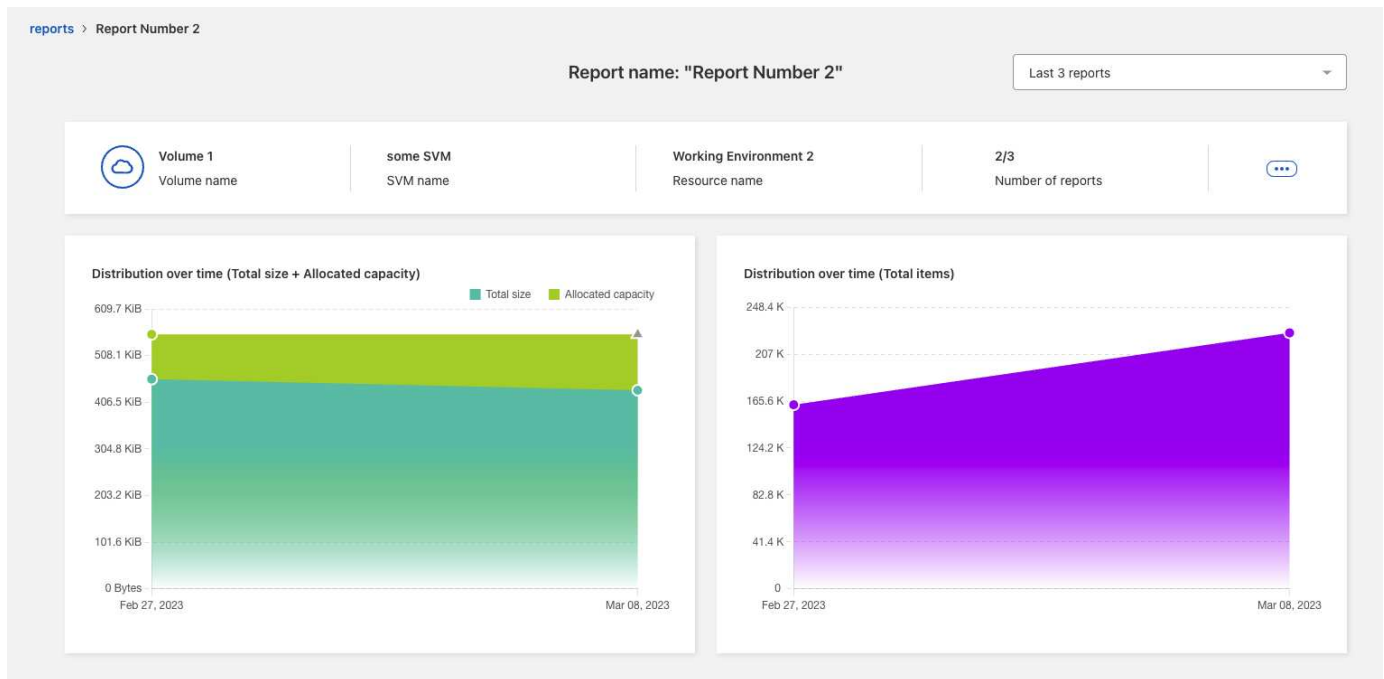
- **Maximum > Total Depth:** The greatest number of subdirectories nested within a directory in the volume. In the example, directory/subdirectory/subdirectory2, the depth is 2.
- **Maximum > Total Maximum Width:** The greatest number of items in the volume's directories. An item is a file, subdirectory, symbolic link, or hard link.
- **Maximum > Longest Path:** The longest subdirectory path plus the file name in the volume.
- **Maximum > Directories:** The number of directories in the largest directory.
- **Maximum > Files:** The number of files in the largest directory. There might be another directory with more files, but it isn't the largest directory in the tree.
- **Access Time:** The last times that the files were accessed.
- **Change Time:** The last time that the file metadata, for example, permissions, was accessed.
- **Modify Time:** The last times that the content of the files was modified.
- **Top 5 Failure Reasons:** The top 5 error reasons found during the volume scan. For example, a report might contain errors related to nonexistent or incorrect access permissions or the missing files. This type of error can impact the scan of the entire set of files and directories. After you view the list of errors, you can address the issues and run the report again.
- **Top 5 Directories and Files:** The directories having the top 5 largest number of directories or largest file sizes in the volume.

5. To return to the Reports Dashboard, select **Reports** in the breadcrumbs.

View the Reports Distribution information

You might need to know how the data has changed from one report date to another. You can do this by using the Reports Distribution charts.

The Reports Distribution information is available only on completed reports and only if there are at least two completed reports.



Steps

1. From the BlueXP left nav, select **Storage > Migration reports**.
2. Select a report.
3. From the Actions menu on the right, select **View Reports Distribution**.
4. View the Reports distribution:
 - **Distribution Over Time (Total Size)**: The size of the volume on different dates.
 - **Distribution Over Time (Total Items)**: The number of files, folders, links, and directories on different dates.

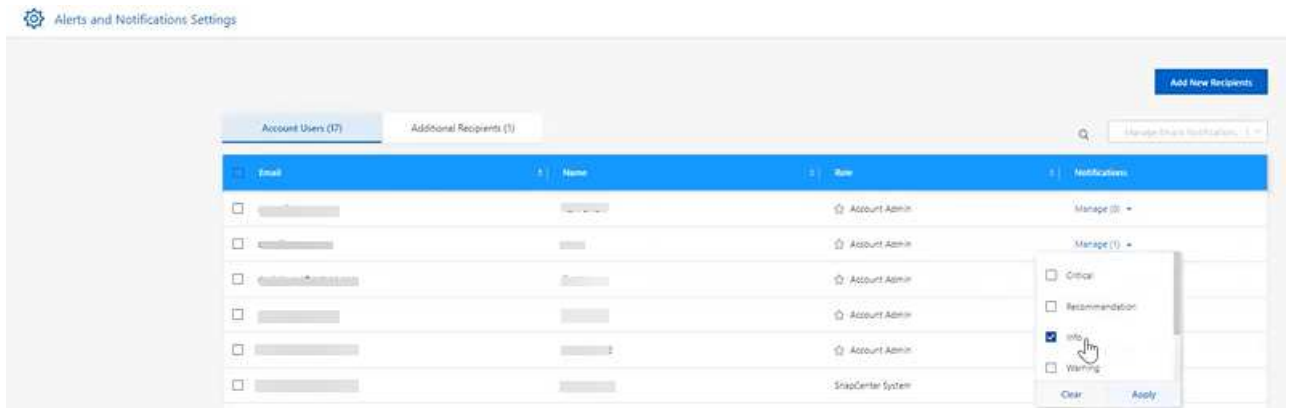
Enable report notifications

With the BlueXP migration reports service, a notification appears in the BlueXP notifications at the top right of the BlueXP page.

You can also set notifications to alert users via email when a new report is generated. To do so, you need to select the "Info" notification setting.

Steps

1. From the BlueXP left nav, select **Storage > Canvas**.
2. To see the notifications, select the notifications **Bell** icon at the upper right.
3. To enable an email notification, do the following:
 - a. Select the **Settings ...** option on the right and select **Alerts and Notification Settings**.
 - b. Select the **Additional Recipients** tab.
 - c. In the Notifications column, expand the row by selecting the arrow.
 - d. For the notification level, select **Info**.



Delete a report


You might want to delete a report if it contained an error that you fixed or you no longer need that report. You can delete one or more instances of a report.





Steps

1. From the BlueXP left nav, select **Storage > Migration reports**.
2. From the Reports Dashboard, select a report.
3. On the report row, select the **Actions** ... menu and select **Delete Report**.
4. If multiple instances of the report exist, select those that you want to delete and select **Delete**.

Delete Report

Select the reports you want to delete for <Report Name>

 Notice: If you select all reports for this volume, the volume report will no longer appear on the Reports Dashboard.

<input checked="" type="checkbox"/>	Report Date	Report Status
<input checked="" type="checkbox"/>	Dec 27, 2022 12:00 AM	 Completed
<input checked="" type="checkbox"/>	Dec 26, 2022 12:00 AM	 Completed
<input checked="" type="checkbox"/>	Dec 25, 2022 12:00 AM	 Completed
<input checked="" type="checkbox"/>	Dec 24, 2022 12:00 AM	 Completed

Delete

Cancel

5. Select **Delete** to confirm the deletion.

Knowledge and support

Register for support

Support registration is required to receive technical support specific to BlueXP and its storage solutions and 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 BlueXP documentation for that product.

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

Support registration overview

There are two forms of registration to activate support entitlement:

- Registering your BlueXP account ID support subscription (your 20 digit 960xxxxxxx serial number located on the Support Resources page in BlueXP).

This serves as your single support subscription ID for any service within BlueXP. Each BlueXP account-level support subscription 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 BlueXP 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 BlueXP as described below.

Register your BlueXP account for NetApp support

To register for support and activate support entitlement, one user in your BlueXP account must associate a NetApp Support Site account with their BlueXP 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

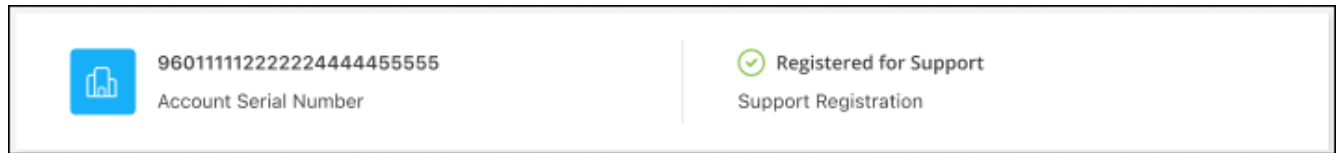
If you're a NetApp customer with an NSS account, you simply need to register for support through BlueXP.

Steps

1. In the upper right of the BlueXP console, select the Settings icon, and select **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 account is registered for support.



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

Steps

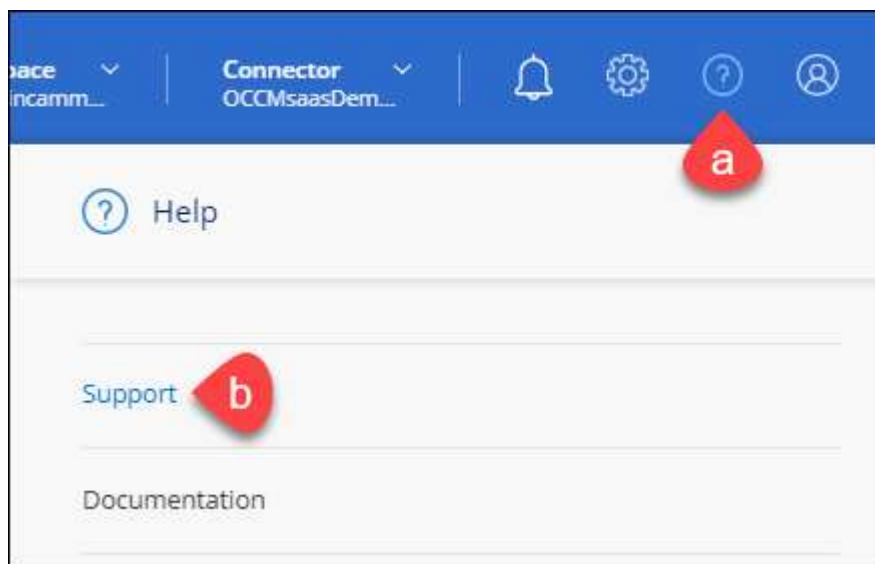
1. Create a NetApp Support Site account by completing the [NetApp Support Site User Registration form](#)
 - a. Be sure to select the appropriate User Level, which is typically **NetApp Customer/End User**.
 - b. Be sure to copy the BlueXP account serial number (960xxxx) used above for the serial number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



2. Locate your account ID serial number from the Support Registration page.

 96015585434285107893 Account serial number	 Not Registered Add your NetApp Support Site (NSS) credentials to BlueXP Follow these instructions to register for support in case you don't have an NSS account yet.
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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 the account 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 BlueXP 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 BlueXP 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 BlueXP 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

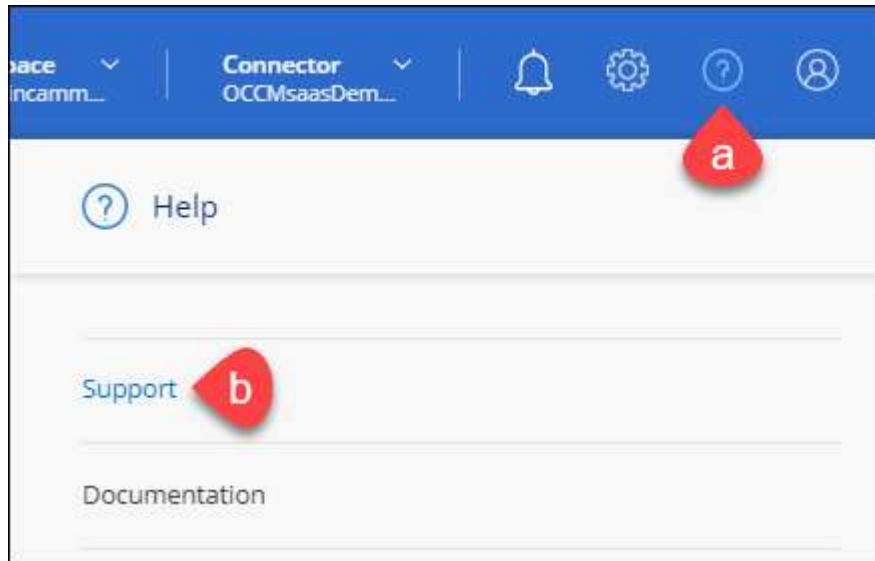
Associating NSS credentials with your BlueXP account is different than the NSS account that is associated with a BlueXP user login.

These NSS credentials are associated with your specific BlueXP account ID. Users who belong to the BlueXP account 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 BlueXP 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 BlueXP 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 BlueXP and its cloud services in a variety of ways. Extensive free self-support options are available 24x7, such as knowledgebase (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 "Getting help" in the BlueXP documentation for that product.

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

To receive technical support specific to BlueXP and its storage solutions and 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 BlueXP documentation that you're currently viewing.

- [Knowledge base](#)

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

- [Communities](#)

Join the BlueXP 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 BlueXP login. [Learn how to manage credentials associated with your BlueXP 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 BlueXP, 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, BlueXP when specific to a technical support issue with workflows or functionality within the service.
 - **Working Environment:** If applicable to storage, select **Cloud Volumes ONTAP** or **On-Prem** and then the associated working environment.

The list of working environments are within scope of the BlueXP account, workspace, and Connector you have selected in the top banner of the service.

- **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 BlueXP account serial number (ie. 960xxxx) or the working environment serial number. You can seek assistance using one of the following options:

- Use the in-product chat
- Submit a non-technical case at <https://mysupport.netapp.com/site/help>

Manage your support cases (Preview)

You can view and manage active and resolved support cases directly from BlueXP. You can manage the cases associated with your NSS account and with your company.

Case management is available as a Preview. We plan to refine this experience and add enhancements in upcoming releases. Please send us feedback by using the in-product chat.

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.

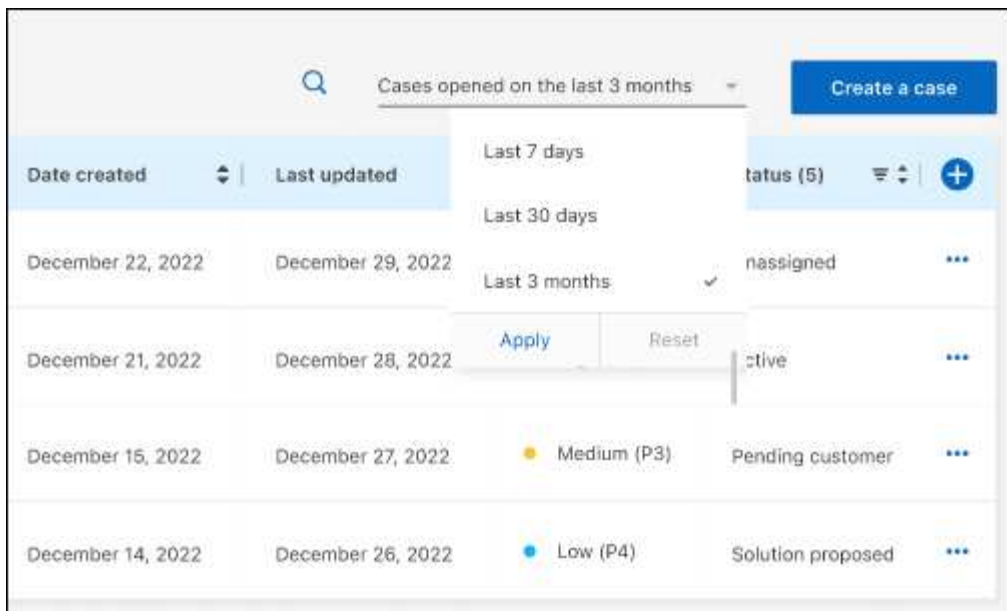
- At a per-case level, we offer the ability to update case notes or close a case that is not already in Closed or Pending Closed status.

Steps

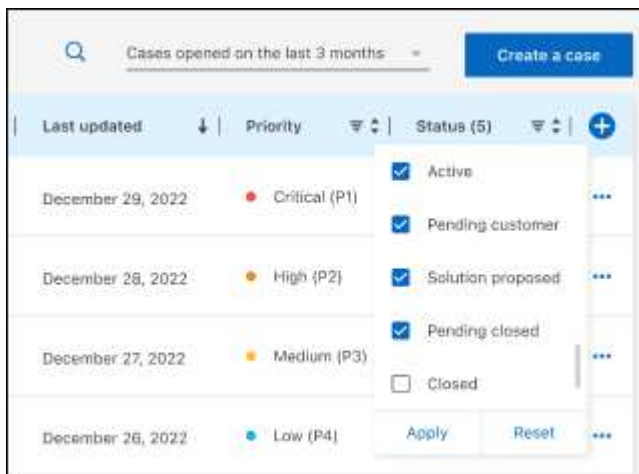
1. In BlueXP, select **Help > Support**.
2. Select **Case Management** and if you're prompted, add your NSS account to BlueXP.

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

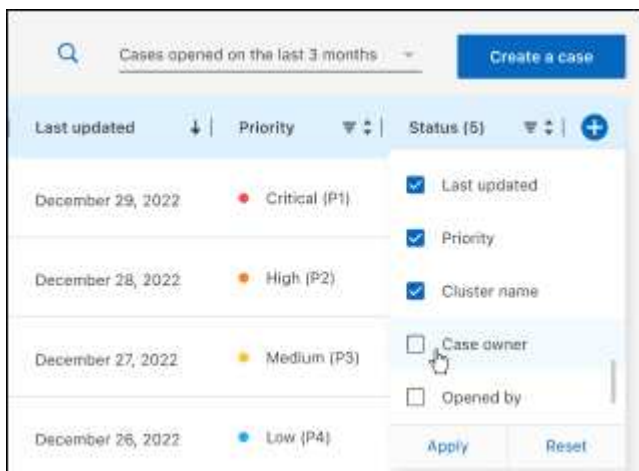
3. Optionally modify the information that displays in the table:
 - Under **Organization's cases**, select **View** to view all cases associated with your company.
 - Modify the date range by choosing an exact date range or by choosing a different time frame.



- 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.

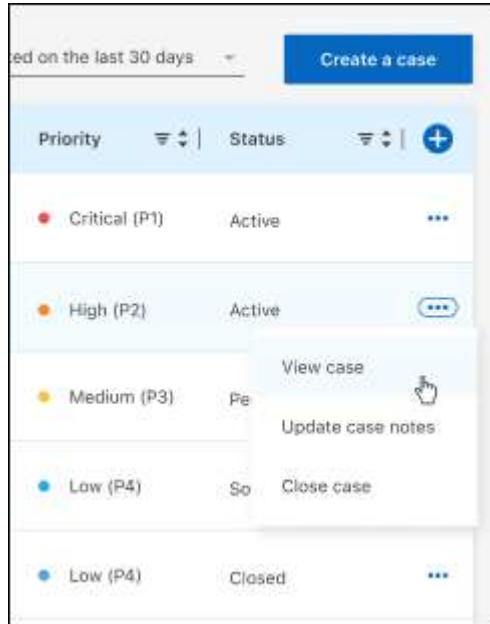


4. Manage an existing case by selecting ... and selecting one of the available options:

- **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

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