



Amazon S3 storage documentation

Amazon S3 storage

NetApp

November 10, 2025

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Amazon S3 storage documentation

What's new with Amazon S3 storage in NetApp Console

Learn what's new in Amazon S3 storage in NetApp Console.

06 October 2025

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 has changed, see the [NetApp Console release notes](#).

05 March 2023

Ability to add new buckets from BlueXP

You have had the ability to view Amazon S3 buckets on the BlueXP Canvas for quite a while. Now you can add new buckets and change properties for existing buckets directly from BlueXP. [See how to add new Amazon S3 buckets](#).

Get started

Viewing your Amazon S3 buckets

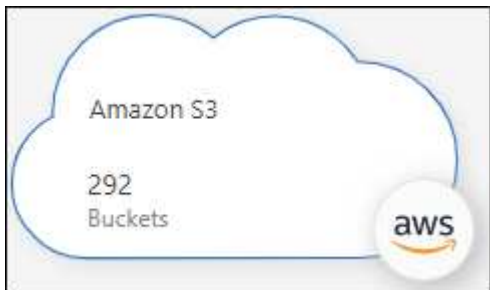
After you install a Console agent in AWS, NetApp Console can automatically discover information about the Amazon S3 buckets that reside in the AWS account where the Console agent is installed. An Amazon S3 system is added to the Systems page so you can view this information.

You can see details about your S3 buckets, including the region, access policy, account, total and used capacity, and more. These buckets can be used as destinations for NetApp backup and recovery, NetApp tiering, or NetApp copy and sync operations. Additionally, you can use NetApp Data Classification to scan these buckets.

Steps

1. [Install a Console agent](#) in the AWS account where you want to view your Amazon S3 buckets.
2. From the NetApp Console menu, select **Storage** and then **Management**.

You should automatically see your Amazon S3 system shortly after.



1. Click the system and select an action from the right pane if you want to enable NetApp Console services with your S3 storage.

[See which NetApp Console services are available and learn how to use them with your S3 buckets.](#)

2. Click **Enter S3 system**, or double-click the system, to view details about the S3 buckets in your AWS account.

In addition to the columns that appear by default, you can scroll the page to view additional properties for the bucket; for example, the number of Tags, and whether Object Lock or Versioning have been enabled.

What's next

You can change some bucket settings directly from the NetApp Console by clicking ... for a bucket. [Go here for details.](#)

You can add new S3 buckets by clicking **Add bucket**. [Go here for details.](#)

Manage S3 buckets

Add S3 buckets

When your Amazon S3 system is available in the *Systems* page, you can add additional buckets directly from the NetApp Console.

Steps

1. From the *Systems* page, double-click the Amazon S3 system to view the *Amazon S3 buckets Overview* page, and click **Add bucket**.

The *Add bucket* page is displayed.

2. In the *Add bucket* page, enter the required information to create the bucket and click **Apply**.
 - a. Enter the name you want to use for the bucket.
 - b. Select the AWS account that will be the owner of the bucket. This can be the primary account where the Console agent was deployed, or it can be a [different account that you have added to the NetApp Console](#).
 - c. Select the AWS region where the bucket will be created.
 - d. Optionally, you can enable S3 object locking on the bucket to store objects using a write-once-read-many (WORM) model. If you plan to use object locking, you must enable it when creating the bucket. Enabling Object Lock also enables Versioning. [Learn more about object locking from the Amazon S3 documentation](#).

The bucket is created.

What's next

You can't manually configure Versioning, Tags, or Encryption when initially adding a bucket. After the bucket is created you can configure these other properties of the bucket. [Learn more about changing bucket settings](#).

Change S3 bucket settings

When your Amazon S3 system is available in the *Systems* page, you can change some bucket properties directly from the NetApp Console.


Note that you can't change the bucket name, AWS account, region, or object lock setting.


The bucket properties you can change include:


- Whether Versioning is enabled or disabled for all objects in the bucket.
- You can choose to apply tags to the objects that are added to the bucket.
- Whether or not new objects added to the bucket are Encrypted, and the option used for encryption.

You can change these bucket settings directly by clicking **...** for a bucket.

Overview

178
Total Buckets

3.47 TiB
Total Capacity

19
Total Regions

178 Buckets

Search

Add bucket

Bucket Name	AWS Account	Region	Creation Date	Encryption	Is Public	
compliance-dataset22	7599954	US West (Oregon)	March 1, 2020	Enabled ⓘ	Bucket and ob	⋮
fabric-pool-8b18cf1e-6d64	7599954	US West (Oregon)	March 24, 2020	Enabled ⓘ	Bucket a	View details
motor-vehicle-bucket01	7599954	US West (Oregon)	June 3, 2020	Enabled ⓘ	Objects	Edit versioning
fabric-pool-a548f122-a681	7599958	US West (Oregon)	June 5, 2020	Enabled ⓘ	Objects	Edit tags
motor-vehicle-bucket64	7599958	US West (Oregon)	June 10, 2020	Enabled ⓘ	Objects	Edit encryption

Change the versioning setting

Versioning enables you to keep multiple versions of an object in a bucket so that you can restore objects that are accidentally deleted or overwritten. You can change the versioning setting for future objects when they are added to the bucket. Changing the versioning setting does not change the value for existing objects.

Versioning is disabled by default in new buckets, unless you enabled Object Lock when you created the bucket. [Learn more about versioning from the Amazon S3 documentation.](#)

When enabled, if you want to stop versioning temporarily or permanently, you can choose the "Suspended" state. You can't disable versioning after it has been enabled.

Versioning

You can enable the creation of object versions for all future objects added to the bucket.

☒ Disabled
 ☐ Enabled

[Apply](#)
[Cancel](#)

Add or change tags for objects in the bucket

Tags are metadata that you can use to group resources to identify applications, environments, regions, cloud providers, and more. Tags consists of a tag key and a tag value. You can add tags to a bucket so that the tags are applied to objects when they are added to the bucket. You can also change and delete tags and tag values.

Tags are disabled by default in new buckets created by the NetApp Console. [Learn more about tagging from the Amazon S3 documentation.](#)

Tags

Tags are metadata that you can use to group resources to identify applications, environments, regions, and more. You can assign up to 10 key/value tags to your bucket.

Tag key **Tag value** [Add new tag](#)

Type tag key : Type tag value X

[Apply](#) [Cancel](#)

After you add a tag, click **Apply** to save your changes. If you want to add more tags, click **Add new tag**. You can add up to 10 tags per bucket.

Change the encryption setting

Server-side encryption enables you to encrypt data at the Amazon S3 destination. Amazon S3 encrypts your data at the object level as it writes it to disk, and it decrypts it for you when you access it. You can change the encryption setting used for future objects when they are added to the bucket.

Encryption is enabled by default using "Amazon S3 managed keys (SSE-S3)" in new buckets created by the NetApp Console. [Learn more about server-side encryption from the Amazon S3 documentation](#).

Alternatively, you can choose to enable encryption using the "AWS Key Management Service key (SSE-KMS)". Encryption is also possible using your own customer-provided keys (SSE-C), but this functionality is unavailable through the Console UI - you must use the Amazon interface.

Encryption

Server-side encryption is automatically applied to new objects stored in this bucket. [Learn more](#)

Encryption key type ⓘ

☒ Amazon S3-managed keys (SSE-S3) ☐ AWS Key Management Service key (SSE-KMS)

Bucket key ⓘ

☒ Enabled

[Apply](#) [Cancel](#)

If you choose "AWS Key Management Service key (SSE-KMS)", you can choose an AWS KMS key that you've already created, or you can use an AWS KMS key ARN (Amazon Resource Name).

Encryption

Server-side encryption is automatically applied to new objects stored in this bucket. [Learn more](#)

Encryption key type ⓘ

☐ Amazon S3-managed keys (SSE-S3) ☒ AWS Key Management Service key (SSE-KMS)

AWS KMS key

☐ Choose from your AWS KMS keys ☒ Enter AWS KMS key ARN ⓘ

AWS KMS key ARN ⓘ

arn:aws:kms:<region>:<account-ID>:key/<key-id>

Bucket key ⓘ

☒ Enabled

[Learn more about the AWS Key Management Service from the Amazon S3 documentation](#) and about [using customer keys versus AWS keys](#).

Use NetApp data services with S3 buckets

After you discover S3 buckets in NetApp Console, you can use NetApp data services for backup, tiering, classification, and data synchronization.

- Use **NetApp Backup and Recovery** to back up data from your on-premises ONTAP and Cloud Volumes ONTAP systems to S3 object storage.

To get started, go to the Systems page and drag and drop an on-premises ONTAP or Cloud Volumes ONTAP system on your Amazon S3 system.

[Learn more about backing up ONTAP data to Amazon S3 storage.](#)

- Use **NetApp Cloud Tiering** to tier inactive data from on-premises ONTAP clusters to S3 object storage.

To get started, go to the Systems page and drag and drop an on-premises ONTAP system on your Amazon S3 system.

[Learn more about tiering ONTAP data to Amazon S3 storage.](#)

- Use **NetApp Copy and Sync** to synchronize data to or from S3 buckets.

To get started, go to the Systems page and drag and drop the source system on the target system. Your Amazon S3 system can be either the source or target.

You can also select your Amazon S3 system and click **Copy & sync** from the Services panel to synchronize data to or from S3 buckets.

[Learn more about the NetApp Copy and Sync service.](#)

- Use **NetApp Data Classification** to scan your S3 buckets for personal and sensitive data. NetApp Data Classification can scan any bucket in the account, regardless of whether it was created for a NetApp solution.

To get started, select your Amazon S3 system and select the appropriate option from the **Classification** section of the Services panel to initiate scanning of your S3 buckets.

[Learn more about the NetApp Data Classification service.](#)

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

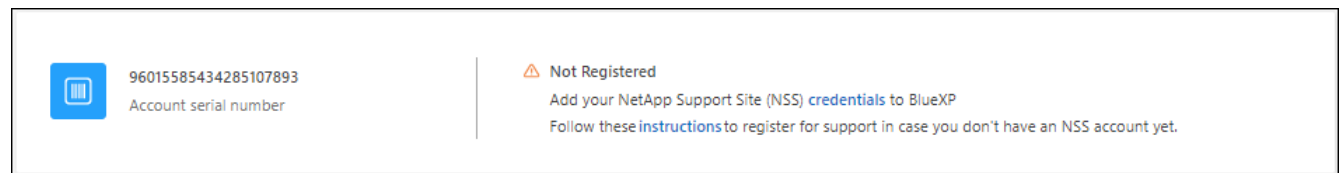
1. Create a NetApp Support Site account by completing the [NetApp Support Site User Registration form](#)
 - a. Be sure to select the appropriate User Level, which is typically **NetApp Customer/End User**.
 - b. Be sure to copy the Console account serial number (960xxxx) used above for the serial number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

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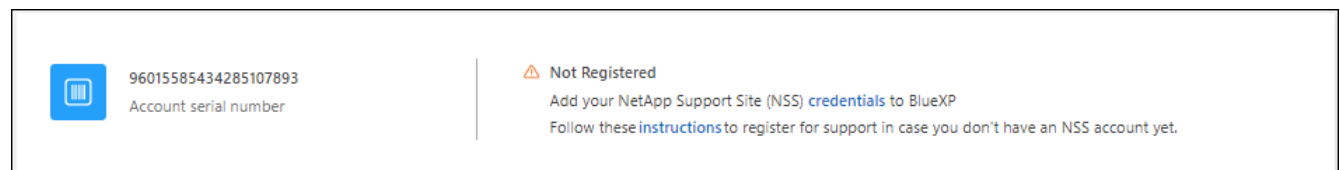
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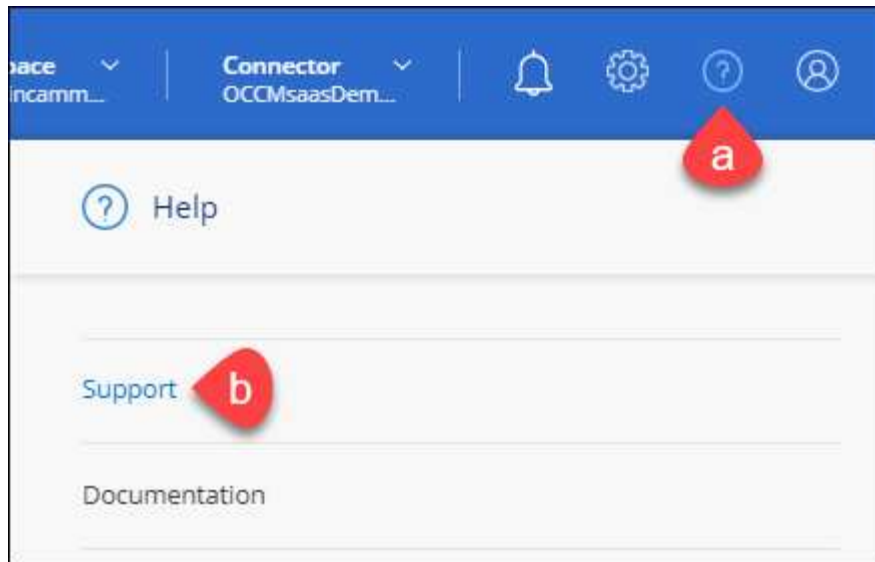
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Using this option prompts you to log in again. Note that the token for these accounts expire after 90 days. A notification will be posted to alert you of this.

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[Notice for NetApp Console](#)

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