



E-Series documentation

E-Series

NetApp
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E-Series documentation

What's new with E-Series management

Learn what's new with managing E-Series systems in BlueXP (formerly Cloud Manager).

18 September 2022

Support for E-Series

You can now discover your E-Series storage systems directly from BlueXP. Discovering E-Series systems provides you with a complete view of data across your hybrid multicloud.

Get started

Discover E-Series storage systems

BlueXP can discover the E-Series storage systems in your on-premises environment. Adding E-Series systems to BlueXP enables you to get a complete view of the data across your hybrid multicloud.

What you'll need

- A Connector installed in a cloud provider or on your premises, with network connectivity to the E-Series storage system.

[Learn more about Connectors and how to create one](#)

- The domain name or IP address of the storage system controller.
- Admin credentials for the system.

Steps

1. From the navigation menu, select **Storage > Canvas**.
2. From the Canvas, click **Add Working Environment** and select **On-Premises**.
3. Select **E-Series** and click **Next**.
4. If you're prompted, create a Connector.

Refer to the link above for more details.

5. On the *E-Series Cluster Details* page, enter the domain name or IP address of the storage system controller, admin credentials for the system, and then click **Add**.

E-Series Cluster Details

Provide a few details about your E-Series cluster so Cloud Manager can discover it.

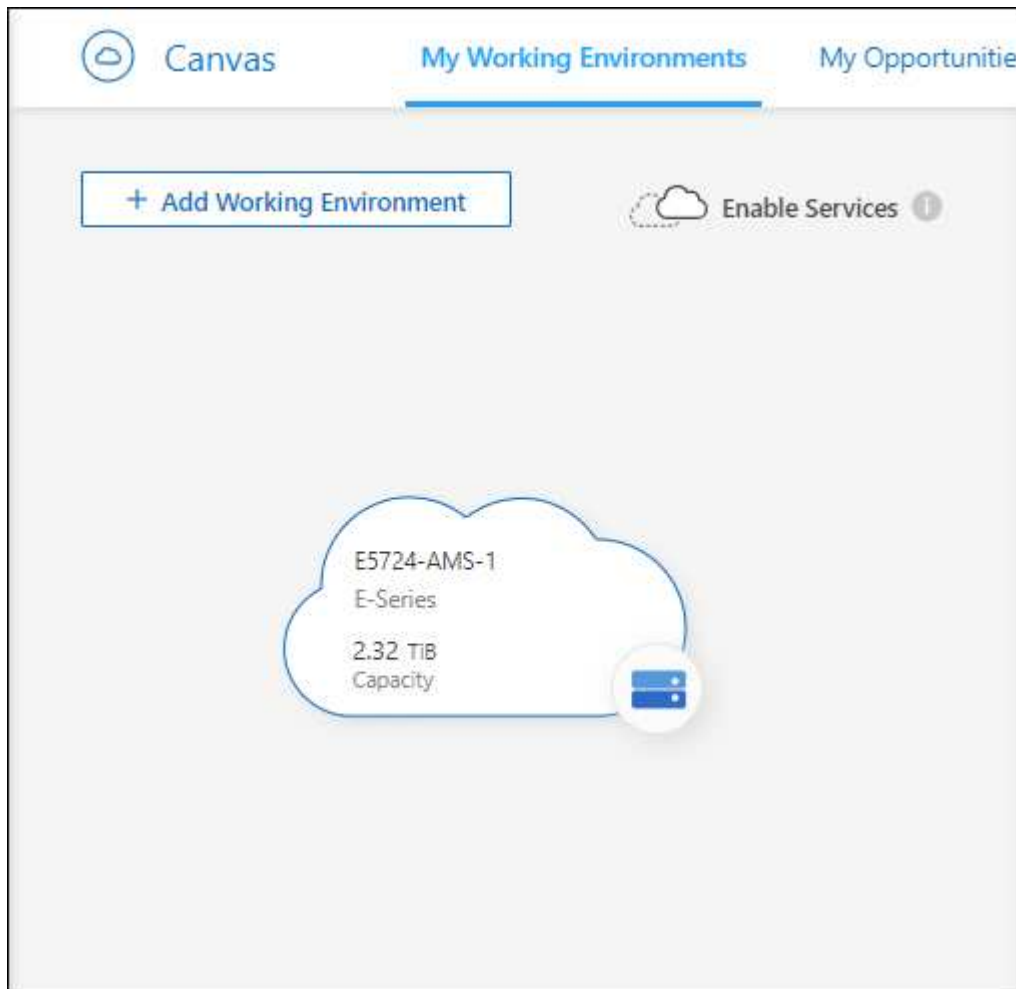
Storage System Controller Domain Name or IP Address

User Name

Password

Result

BlueXP discovers the E-Series storage system and adds it as a working environment on the Canvas.



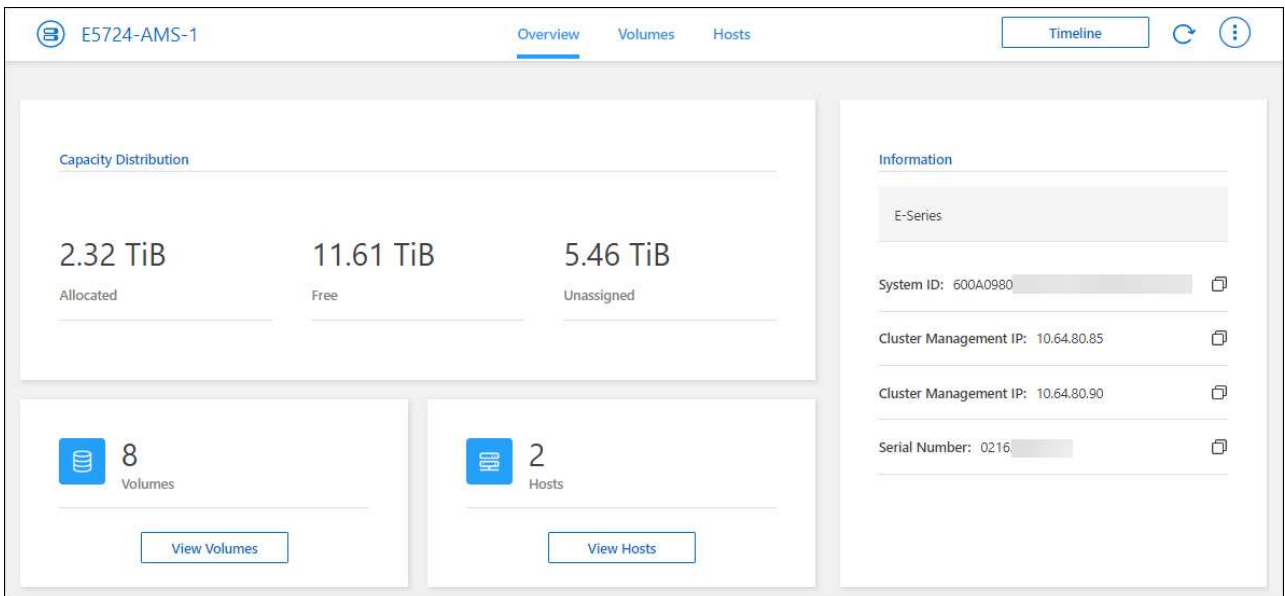
Manage E-Series clusters

View your E-Series systems

After you discover your E-Series systems, you can view details about capacity distribution, volumes, and hosts.

Steps

1. From the Canvas, double-click the name of the E-Series working environment that you want to view.
2. Select any of the tabs to view more details about your E-Series system:
 - **Overview:** A detailed view of the system's capacity distribution (allocated, free, and unassigned capacity), the number of volumes, hosts, and more.



- **Volumes:** Details about the volumes on the system, including assignment, RAID level, allocated capacity, and more.

The screenshot shows the 'Volumes' tab for system E5724-AMS-1. At the top, a 'Volumes Summary' bar displays 8 Volumes, 3 DDP, 5 Volume Groups, and 2.3 TiB Allocated Capacity. Below this is a table listing 8 volumes. The table has columns: Volume Name, Status, Assigned to, DDP/Volume Group, Raid Level, and Allocated Capacity.

Volume Name	Status	Assigned to	DDP/Volume Group	Raid Level	Allocated Capacity
11	OPTIMAL	Cluster test-host-cluster	Volume Group VG_5	raid5	1 GiB
2	OPTIMAL	Host Morgane	Pool DDP1	raid6	4 GiB
DDP_VOL1	OPTIMAL	Host VM	Pool DDP1	raid6	12 GiB

- **Hosts:** Details about the hosts that send I/O to a volume on the storage system.

E5724-AMS-1

Overview

Volumes

Hosts

Timeline

2 Hosts

Host Name	Type	Assigned Volumes	Reported Capacity	Host Type	Total Host Ports	Attached to I/O Int	
VM	Host	4	40 GiB	Windows 2000/Server 2...	1	iscsi	
test-host-cluster	Cluster	1	1 GiB				
Morgane	Host Member	1	1 GiB	Windows 2000/Server 2...	1	iscsi	

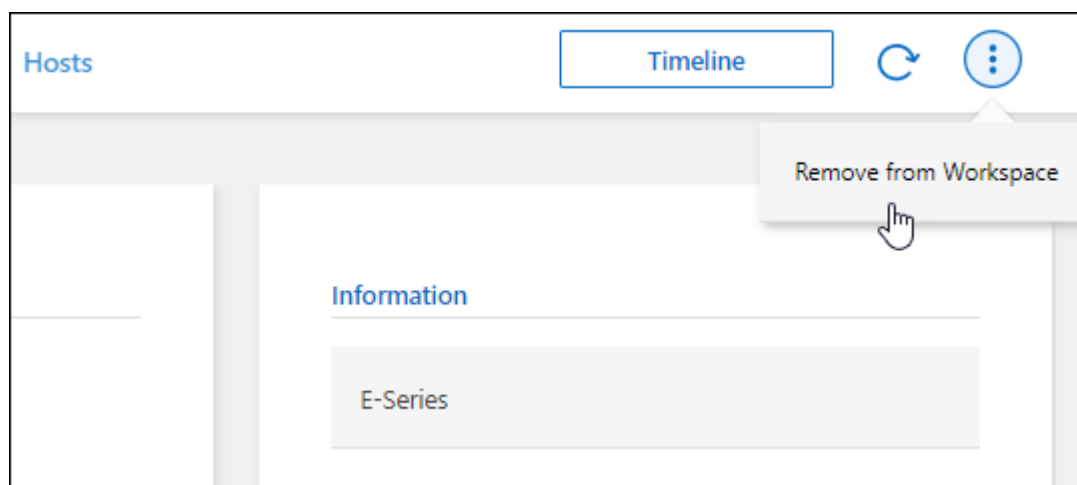
Remove an E-Series working environment

Remove an E-Series working environment if you no longer want to manage it from BlueXP.

Removing the working environment doesn't affect the E-Series system. You can rediscover it from BlueXP at any time.

Steps

1. From the Canvas, double-click the name of the E-Series working environment.
2. Click the menu icon and select **Remove from Workspace**.



3. Click **Remove** to confirm.

Knowledge and support

Register for support

Before you can open a support case with NetApp technical support, you need to add a NetApp Support Site (NSS) account to BlueXP and then register for support.

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.

How you register depends on whether you're a new or existing customer or partner.

- Existing customer or partner

As an existing NetApp customer or partner, you can use your NetApp Support Site (NSS) SSO account to perform these registrations above. In the Support Dashboard, BlueXP provides an **NSS Management** page where you can add your NSS account. Once you add your NSS account, BlueXP automatically registers these serial numbers for you.

[Learn how to add your NSS account.](#)

- New to NetApp

If you're brand new to NetApp, you must complete a one-time registration of your BlueXP account ID serial number on NetApp's support registration site. Once you complete this registration and create a new NSS account, you can use this account in BlueXP to auto register going forward.

[Learn how to register with NetApp.](#)

Add an NSS account to BlueXP

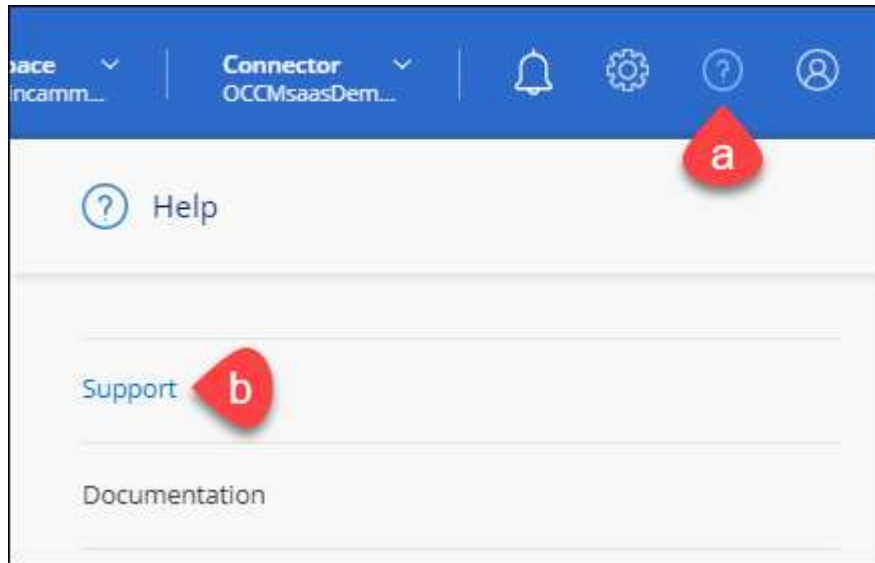
The Support Dashboard enables you to add and manage your NetApp Support Site accounts for use with Cloud Manager.

- 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, click the Help icon, and select **Support**.



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

NetApp uses Microsoft Azure Active Directory 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 account must be a customer-level account (not a guest or temp 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.

Register with NetApp

How you register for NetApp support depends on whether you already have a NetApp Support Site (NSS) account.

Existing customer with an NSS account

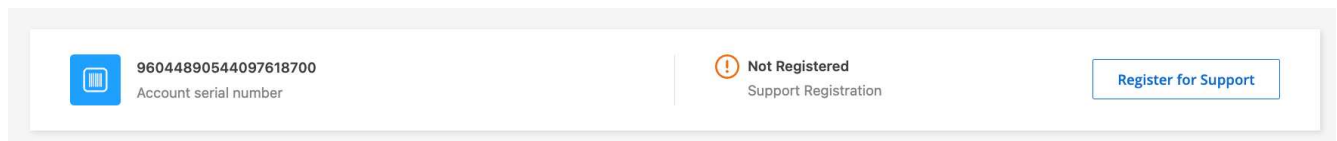
If you're a NetApp customer with an NSS account, you simply need to register for support through BlueXP.

Steps

1. In the upper right of the BlueXP console, click the Help icon, and select **Support**.



2. If you haven't already done so, add your NSS account to BlueXP.
3. On the **Resources** page, click **Register for Support**.



Existing customer but no NSS account

If you're an existing NetApp customer with existing licenses and serial numbers but *no* NSS account, you just need to create an NSS account.

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.

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, click the Help icon, and select **Support**.



2. Locate your Cloud Manager 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 Cloud Manager 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 Cloud Manager 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, you can navigate to BlueXP to add this NSS account for future registrations.

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.

Self support

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

- [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.

- Documentation

The BlueXP documentation that you're currently viewing.

- [Feedback email](#)

We value your input. Submit feedback to help us improve BlueXP.

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 perform a one-time registration of your BlueXP Account ID serial number (ie. 960xxxx) with NetApp. [Learn how to register for support.](#)

Steps

1. In BlueXP, click **Help > Support**.
2. Choose one of the available options under Technical Support:
 - a. Click **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. Click **Create a Case** to open a ticket with a NetApp Support specialists:
 - **NetApp Support Site Account:** Select the applicable NSS account associated with the person opening the support case. This person will be the primary contact for NetApp to reach out to, in addition to the additional emails provided below.

If you don't see your NSS account, you can navigate to the **NSS Management** tab within Support section of BlueXP to add it there.
 - **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.

Create a Case


TESTCLOUD2NTAP 


NetApp Support Site Account


Service

Cloud Manager 

Working Environment


Select... 

Case Priority 


Low- General Guidance 

Issue Description

Provide a detailed description of your problem, including any applicable error messages or troubleshooting steps that you performed.

Additional Email Addresses (Optional) 

Attachment (Optional) Coming Soon

No files selected 

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 click **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 check your list of NSS accounts at the top of the **Create a Case** form to find the right match, or 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>

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- [Notice for BlueXP 3.9](#)

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