Get started

BlueXP economic efficiency

NetApp
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Get started

Learn about BlueXP economic efficiency

BlueXP economic efficiency assesses two vital areas of your environment: your storage assets with current or forecasted low capacity and your systems that are nearing end of life. The service provides recommendations on data tiering or additional capacity (for AFF systems) and technology refresh options that meet your business needs.

BlueXP economic efficiency can help you accomplish the following goals.

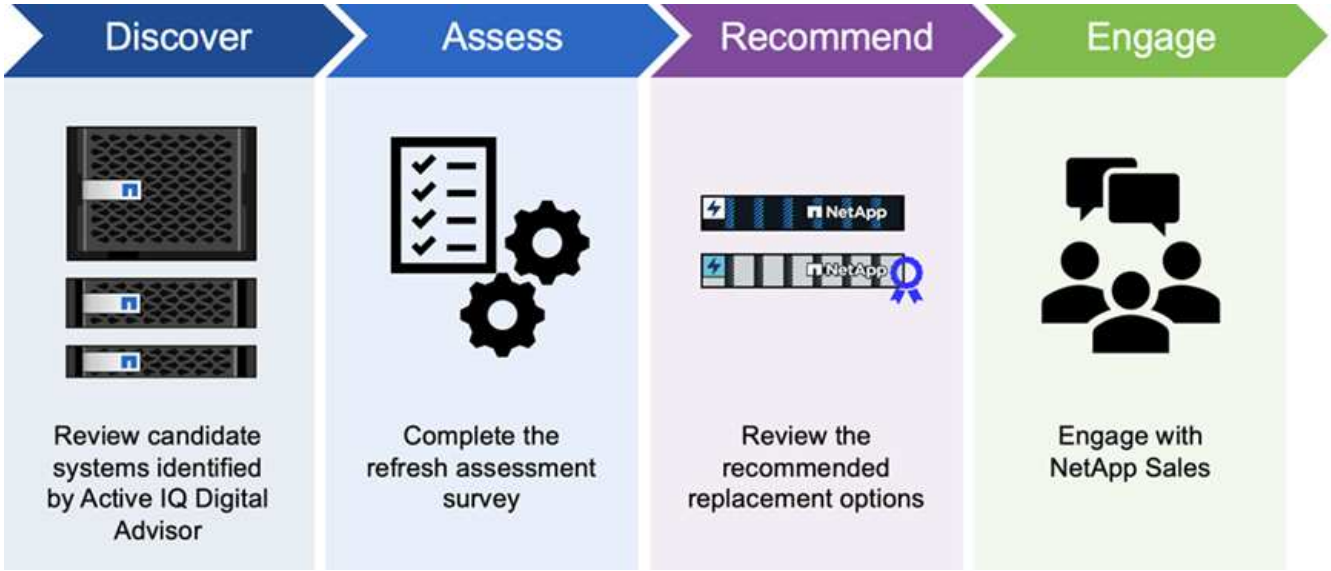
Capacity planning

- Identify storage assets in your environment that are showing low capacity.
- Review assets for current and forecasted capacity.
- Review CPU utilization, IOPS performance, and latency performance to determine opportunities for capacity remediation.
- Obtain recommendations for capacity expansion relevant to your environment.

BlueXP economic efficiency capacity planning applies to on-premises AFF systems only (including unified AFF and all SAN array systems).

Technology refresh assessment and simulation

- Perform a simulation of your workloads on new hardware and download the results.
- Review a list of systems that are nearing end of life or approaching other lifecycle events.
- Review an assessment of your current working environment and obtain recommendations on technology refresh options that meet your workload, capacity, performance, and budget requirements.



Benefits of BlueXP economic efficiency

BlueXP economic efficiency offers the following benefits:

- Identifies systems that are approaching lifecycle events to help you plan for a technology refresh, either by taking a short assessment or performing a workload simulation on new hardware
- Provides a simple process to obtain additional capacity
- Offers a trusted advisor's recommendations to address capacity issues in your environment
- Reduces the time spent in planning for additional storage

Cost

NetApp doesn't charge you for using the service.

If you decide to tier cold data to cloud storage, you'll need to check your cloud provider for applicable charges.

Access

You can access this feature either through BlueXP economic efficiency (**Governance** > **Economic efficiency** > **Tech refresh**) or through NetApp Digital Advisor (**Dashboard** > **Planning widget** > **Tech refresh**).

BlueXP economic efficiency prerequisites

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

To use BlueXP economic efficiency, you should ensure that your environment meets all requirements.

- Your environment must meet all BlueXP requirements including a login and network access from a web browser.

  Refer to the BlueXP Quick start and BlueXP networking information.

- You need to have access credentials to the clusters.
- While not a requirement, it is helpful if the BlueXP Connector is in place and enabled and the ONTAP system is discovered. If not, the service walks you through those processes.
- If you plan on tiering cold data to cloud storage, ensure that the cluster is eligible per the license.

Quick start for BlueXP economic efficiency

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

Review prerequisites

Ensure your environment meets these requirements.

2 Set up the economic efficiency service

Complete steps to set up the service.

3 What's next?

After you set up the service, here's what you might do next.

- Take a tech refresh assessment or simulate your workloads on new hardware.
- Review capacity planning status.
- Add capacity.
- Tier cold data to cloud storage to free up storage.
- Optionally, set reminders to check again.

Set up BlueXP economic efficiency

To use BlueXP economic efficiency, perform a few steps to set it up.

- Review prerequisites to ensure that your environment is ready.
- Create a Connector in BlueXP.
- Discover the cluster in BlueXP.

You can create a Connector directly in BlueXP and use that Connector later in BlueXP economic efficiency. Or, you can create the Connector in the middle of the capacity remediation process.

Similarly, you can discover the cluster ahead of time using BlueXP or during the capacity remediation process.

Create a Connector in BlueXP

A BlueXP Connector includes credentials to NetApp ONTAP machines.

To create a Connector in BlueXP before using the service, refer to the BlueXP documentation that describes how to create a connector.

Discover the cluster in BlueXP

Part of the setup involves identifying the cluster name, IP, user name, and password within BlueXP.

For instructions before using the service, refer to Discover on-premises ONTAP clusters.

Access BlueXP economic efficiency

You use NetApp BlueXP to log in to the economic efficiency service.

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.

You can access this feature either through BlueXP economic efficiency (**Governance** > **Economic efficiency** > **Tech refresh**) or through NetApp Digital Advisor (**Dashboard** > **Planning widget** > **Tech refresh**).

Steps

1. Open a web browser and go to the BlueXP console.

   The NetApp BlueXP login page appears.

2. Log in to BlueXP.
3. From the BlueXP left navigation, select **Governance** > **Economic efficiency**.

Frequently asked questions for BlueXP economic efficiency

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

Access to BlueXP economic efficiency

What's the BlueXP economic efficiency URL?

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

Licensing

Do you need a license to use BlueXP economic efficiency?

A NetApp License File (NLF) is not required.

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