

Quick Start

HPE Mist Networking Data Center Assurance Quick Start

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Step 1: Begin

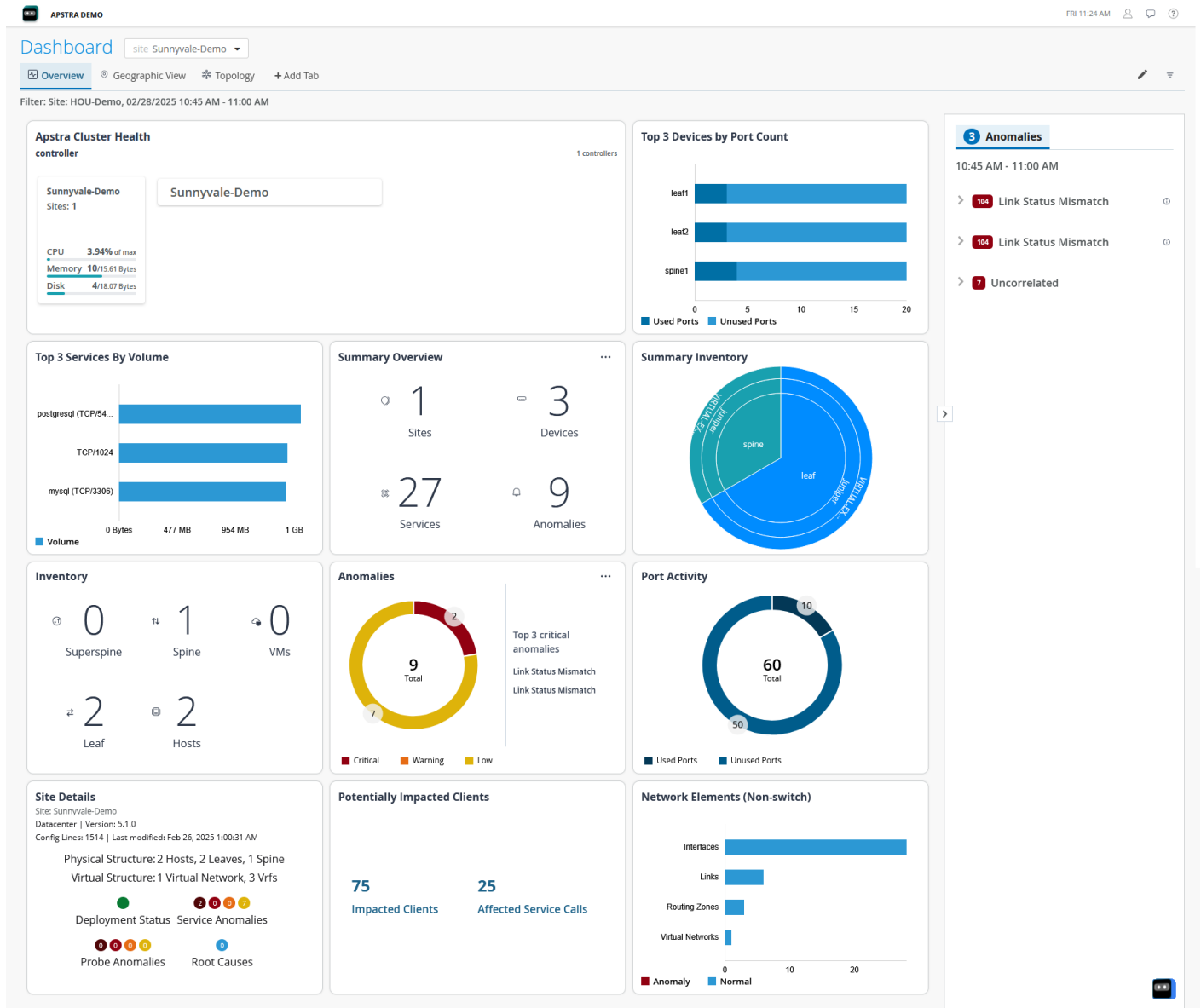
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This guide walks you through the simple steps that you should complete to set up HPE Mist Networking Data Center Assurance and monitor data center events received from a data center managed by Apstra Data Center Director.

Data Center Assurance monitors data centers in real-time, and notifies administrators when there is a network event. It analyzes events and provides actionable recommendations. The Data Center Assurance Dashboard provides a bird's-eye view of the data center network. The dashboard provides information about the health and performance of the data center at the organization-level, site-level, and at the site group-level.

Figure 1: Data Center Assurance Dashboard



Data Center Assurance also provides the Marvis AI Assistant, which administrators can use to troubleshoot issues and to search documentation.

Prerequisites

Make sure that you complete the following prerequisites to set up Data Center Assurance successfully:

- Obtain Apstra premium license. See [Software Licenses for Juniper Apstra](#) for more information.
- Configure Flow Collector in Apstra Data Center Director. See [Configure the Flow Collector using SSH](#) and [Configure the Flow Collector](#) for more information.
- Deploy Flow Data Configlet. See [Import the Junos OS Apstra Flow Configlet](#) for more information.

- Deploy SNMP for Flow Data Interface Enrichment Configlet. See [Import the SNMP Configlet for Interface Name Enrichment](#) for more information.
- Import Data Center Assurance Custom Probe. See [Import a CPU and Memory Probe in Apstra for Data Center Assurance](#) for more information.
- Configure your firewall to allow inbound and outbound communication between Apstra DC Director, Data Center Assurance, and various cloud services. See [Configure Ports](#) for the complete list of ports to be enabled.

Create HPE Mist Networking Data Center Assurance Account

To access Data Center Assurance, you must create an account in Data Center Assurance and activate your account. You can create an account in Data Center Assurance in one of the following ways:

- Access the Data Center Assurance portal at <https://dc.ai.juniper.net>, create an account, and create your organization.
- Use the invite received from an administrator in Data Center Assurance to join an organization.

To access Data Center Assurance and create an account:

1. Access HPE Mist Networking Data Center Assurance at <https://dc.ai.juniper.net> from a web browser.
2. Click **Create Account** on the Data Center Assurance page.
3. On the My Account page, type your first name, last name, e-mail address, and password, and click **Create Account**.

The password can contain up to 32 characters, including special characters, based on the password policy of the organization.

Data Center Assurance sends you a confirmation e-mail to validate the account.

4. In the verification e-mail that you receive, click **Validate Me**.

The My Account page appears.

5. Click **Create Organization**.

The Create organization page appears.

6. Enter a unique name for your organization and click **Create**.

The New Account page appears displaying the organization that you created.

7. Select the organization you created.

You have successfully logged in to your organization in Data Center Assurance.

To access Data Center Assurance using the invite from an administrator:

1. Click **Access *organization-name*** in the e-mail body of the invite that you received.

The Invite to Organization page appears.

2. Click **Register to Accept**.

The My Account page appears.

3. Enter your first name, last name, e-mail address, and the password that you'll use to access your account.

The password can contain up to 32 characters, including special characters, based on the password policy of the organization.

4. Click **Create Account**.

5. In the verification e-mail that you received, click **Validate Me**.

The My Account page appears.

6. Select the organization for which you received the invite.

You can access the organization in Data Center Assurance. The tasks you can perform in this organization depends on the role assigned to you.

By default, the first user who creates an account and the organization has the superuser privileges in that organization. The Super User can perform functions such as create organization, add sites, add users to various roles, and so on. For more information about roles, see [Predefined User Roles Overview](#)

Install Apstra Edge

To receive data center network data in Data Center Assurance, you must install and register Apstra Edge in the Apstra Data Center Director instance. For Juniper Apstra releases 5.0 and earlier, follow the instructions provided in [Juniper Apstra Edge Setup Guide](#) to install Apstra Edge.

For Juniper Apstra release 5.1 and later, you can install Apstra Edge from within Juniper Apstra. Refer [Data Center Assurance Onboarding Guide](#) for more information.

Adopt Apstra Edge in Data Center Assurance

To receive data center events from the Apstra Data Center Director-managed data center, you need to install Apstra Edge and then adopt it in Data Center Assurance. Apstra Edge maintains connectivity with the cloud and sends the event information it receives from Apstra Data Center Director to Data Center Assurance.

To adopt Juniper Apstra Edge in Data Center Assurance:

1. Log in to HPE Mist Networking Data Center Assurance.
2. Navigate to the **DC Edges** page.
3. Click **Adopt Apstra Edge**.

The Adopt Apstra Edge page is displayed.

Figure 2: Adopt Apstra Edge

Adopt Apstra Edge [X]

Edge Name * [] Management URL * [] Username * [] Password * []

Flow Server Details ☒

Flow Server Name * [] Management URL * [] Username * [] Password * []

vCenter Details ☒

vCenter Name * [] Management URL * [] Username * [] Password * []

Apstra Edge Download location
<https://support.juniper.net/support/dov> [Copy]

[+] [trash] [Adopt] [Cancel]

4. Enter edge name, management URL, and the user name and password to access Apstra.

- **Edge Name**—Name to identify Juniper Apstra Edge.
- **Management URL**—URL of Apstra Data Center Director instance.
- **Username**—User name used to log into Apstra Data Center Director.
- **Password**—Password to log into Apstra Data Center Director.

5. Configure Apstra Flow Server information.

After the details for **Flow Server Details** are configured, you can view information about the data center network topology, hosts and endpoints, services, and anomalies, if any, on the App Aware and the Impact Analysis pages.

- **Flow Server Details**—Enable this option to collect flow data from the Apstra instance. Options for configuring the flow server parameters are displayed only if you enable the **Flow Server Details** toggle button.
- **Flow Server Name**—Name of the Apstra Flow server.
- **Management URL**—OpenSearch REST API URL to connect to the Apstra Flow server. The URL must be in the format `https://ip-address:9200`. For example, `https://10.28.52.4:9200`.
- **Username**—Username to log into Apstra Flow server.
- **Password**—Password to log into Apstra Flow server.

6. Configure vCenter details.

After the details for vCenter are configured, you can view information about the VM layer on the App Aware, the Impact Analysis, and the Dashboard Topology pages.

- **vCenter Details**—Enable this option to collect information about the virtualized environments. Options for configuring the vCenter parameters are displayed only if you enable the **vCenter Details** toggle button. You can configure parameters for multiple vCenters.

- **vCenter Name**—A unique, user-defined name of the vCenter server.
 - **Management URL**—REST API URL to connect to the vCenter server. The URL must be in the format `https://ip-address`.
 - **Username**—Username to log into vCenter server.
 - **Password**—Password to log into vCenter server.
7. Click **Adopt**. The newly added Apstra Edge is listed on the **Inventory** page with the status **Unregistered** . Data Center Assurance generates a registration code for Juniper Apstra Edge. You must configure this registration code in Juniper Apstra Edge during installation.



CAUTION: Apstra Edge uses the edge registration code generated by Data Center Assurance to retrieve organization ID, secret, and device ID during installation. These IDs must be stored securely as they cannot be retrieved after the initial setup is completed.

8. On the DC Edges page, select the edge you adopted, click More > Get Registration Code, and copy the registration code.
9. Log into Apstra Data Center Director and configure the edge registration code. For Apstra version 5.0 and earlier, follow the steps provided in [Juniper Apstra Edge Setup Guide](#). In Apstra version 5.1 and later, you can register Edge from the Apstra UI. Refer [Data Center Assurance Onboarding Guide](#) for more information.
- The registration status of Apstra Edge will be displayed as **Registered**. You can also see the cloud connectivity and Apstra connectivity status as **Connected** indicating that Juniper Apstra Edge is connected to Data Center Assurance and the Apstra Data Center Director instance.

Run Pre-Flight Checks

Pre-flight checks verify whether certain prerequisites and configuration requirements are met and provides actionable guidance on how to resolve potential issues. These checks enable you to validate the environment, identify issues that might affect the performance of Data Center Assurance features, and resolve them. For more information, see [Pre-Flight Checks](#).

Step 2: Up and Running

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View and Troubleshoot Data Center Events

After Apstra Edge is registered, HPE Mist Networking Data Center Assurance starts receiving data center events and Apstra flow information from Apstra Edge. You can use the visualizations of the Apstra flow information to understand how the services and clients are utilizing the data center network.

Administrators can view the data center events and anomalies in real-time and resolve them proactively before they impact network traffic. You can view these events and anomalies in the Marvis Actions dashboard and on the App Aware and Impact Analysis pages. To troubleshoot events, you can access Apstra Data Center Director from Data Center Assurance.

For more information about viewing and troubleshooting data center events, see [View Data Center Issues in Marvis Actions](#), [Access Apstra Data Center Director from Data Center Assurance](#), and [Impact Analysis](#).

Access Data Center Assurance from Mist

If you manage your enterprise network using Mist and data center using Apstra Data Center Director, you can also monitor data center issues from Mist by linking the organization in Mist with the organization in Data Center Assurance. Once the organization in Mist is linked to the organization in Data Center Assurance, you can view the total number of data center issues on the **Data Center/Application** on the Marvis Actions page in Mist. To view more detailed information about an issue, you need to access Data Center Assurance by clicking the **Data Center Actions** issue type under **Data Center/Application**.

You must be a user with Super User or a Network Admin role to perform this task.

To enable Data Center Assurance from Mist:

1. Log into HPE Mist Networking Data Center Assurance.
2. From the **Organization > Settings** page, generate an API token.
3. Log into Juniper Mist portal.
4. Navigate to **Organization > Settings** page.
5. Locate the **Apstra Cloud Services Integration** tile.

Enter the following information:

- **Organization ID**—Copy the organization ID from Data Center Assurance and paste it here.
- **API Token**—Copy the API token generated in step 2 in Data Center Assurance and paste it here.
- **API Token Name**—Enter the API token name that you defined in Data Center Assurance.

6. Click **Save**.

The organizations in Mist and Data Center Assurance are linked now. In a few minutes, you'll notice that **Data Center/Application** in Marvis Actions in Mist is active and displays the total number of data center issues under the **Data Center Actions** issue type.

7. Click the **Data Center Actions** issue type under **Data Center/Application** to launch Data Center Assurance.

HPE Mist Networking Data Center Assurance opens in a new browser window or tab in read-only mode. Log in to Data Center Assurance to access all features of the application.

Configure Organization Settings

A super user in Data Center Assurance can configure organization settings and perform the following tasks:

- View organization name and organization ID and modify the organization name.
- Enable or disable the password policy for the organization and modify the password policy when the password policy is enabled.
- Modify the session timeout policy for the organization.
- Add, modify, and delete identity providers.
- Add, modify, and delete custom roles.
- Configure webhooks for the organization.
- Add Juniper account to link Juniper Networks devices to the organization.
- Generate, edit, and delete API tokens for various roles in the organization.

For detailed information and the steps to configure organization settings, see [Manage Organization Settings](#).

Add Users to Administrator Roles

To add users to an organization, you must be a user with the Super User privileges. You add a user by sending them an invite from Data Center Assurance. When you send an invite, you can assign a role to the user depending on the function they need to perform in the organization.

To add user to the organization:

1. Click **Organization > Administrators**.
2. On the Administrators page, click **Invite Administrators**.
3. In the Administrators: New Invitation page, enter the user details such as e-mail address, first name and last name, and the role that the user should perform in the organization. For more information about roles in Data Center Assurance, see [Predefined User Roles Overview](#).

The first name and the last name can be up to 64 characters each.

4. Click **Invite**.

An e-mail invite is sent to the user and the Administrators page displays the status of the user as Invited.

5. (Optional) Repeat the above steps to add more users to the organization.

Step 3: Keep Going

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Learn about issue types displayed in Marvis Actions Dashboard	Issue Types Displayed in Marvis Actions

General Information

If you want to	Then
Know more about HPE Mist Networking Data Center Assurance	HPE Mist Networking Data Center Assurance Documentation
Learn about new features in HPE Mist Networking Data Center Assurance	Release Notes

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