



Cisco Application Services Engine GUI Overview

This chapter describes the graphical user interface for Cisco Application Services Engine.

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Cisco Application Services Engine GUI

Once the Cisco Application Services Engine is bootstrapped, the remaining actions can be performed using the Cisco Application Services Engine GUI.

To access Cisco Application Services Engine GUI, use management network IP of any master node :
<https://<node-mgmt-ip>>

Dashboard

The **Dashboard** provides a wholistic view of the Cisco Application Services Engine. An administrator can use this view to monitor system health, sites and apps connectivity status and resource utilization.

The **Dashboard** has the following information:

- **Overview** tile displays system status, cluster status and Cisco Intersight status.
- The **Sites, Apps, and Infra Services** tile displays the sites by connectivity, apps by status and infra services by status.
- The **Inventory** tile provides details of the node type, nodes, containers, pods, deployments, stateful sets, daemon sets, and services.
- The **Service Node Storage** tile provides details about the registered service nodes.
- The **Utilization** tile provides details about the CPU usage.

- The **Memory** tile provides details about the memory usage.

Apps

The **Apps** component in the left navigation pane displays the apps that are hosted on the Cisco Application Services Engine.

When clicked upon, the app work pane shows the app details including **Description**, **Version**, **Pods**, and the **Containers** running on the selected app.

- The **Containers** tab displays all the configured containers, container status, IP address, and the configured service nodes .
- The **Pods** tab displays the configured pods running on the selected app.
- The **Version** tab displays the the app version number.

The **Enable** enables the selected app.

The **Launch App** allows the enabled app to be launched. This opens a new window where the app is launched. Login to the Cisco Application Services Engine user interface to perform any further operations.

Resource Overview

The **System Resources** component in the left navigation pane displays the application resources that are configured on the service node.

The **System Resources** tab opens a navigation work pane, which displays the **Nodes**, **Pods**, **Containers**, **Deployments**, **Statefulsets**, **Deamonsets**, and the **Namespaces** running on the node.

The **Nodes** tab on the navigation work pane displays the details of the service nodes configured and running on the selected app. Upto seven nodes are admitted in a cluster; three master nodes and four worker nodes.



Note

Only worker nodes can be registered using the GUI. Master nodes are brought up using the command line as specified in Deploying the Cisco Application Services Engine section.

The **Pods** tab on the navigation work pane displays the configured pods running on the selected app.

The **Containers** tab on the navigation work pane displays all the configured containers, container status, IP address, and the configured service node.

The **Deployments** tab on the navigation work pane displays all the deployments, status, IP address, and the configured service node.

The **Statefulsets** tab on the navigation work pane displays all the configured statefulsets, status, IP address, and the configured service node.

The **Deamonsets** tab on the navigation work pane displays all the configured deamonsets, status, namespaces, IP addresses.

The **Services** tab from the navigation work pane displays the service name, cluster IP, configured ports and the selectors for the app.

The **Namespaces** tab from the navigation work pane displays the services, pods, containers, deployments and replicaset of the apps.

Operations

The **Operations** component in the left navigation pane displays the actions that can be performed on Cisco Application Services Engine. Four actions that can be performed under **Operations** such as :

Firmware Management:

Firmware Management is used to perform cluster (firmware) upgrade or downgrade.



Note Refer to [Upgrading Existing Release 1.1.3 to Later Releases](#) for more information.

Tech Support:

An administrator can perform technical support collections.

Audit Logs:

Audit Logs are user triggered configuration changes.

Backup and Restore:

Backup and Restore displays the backed up and restored configuration.

Tech Support

Tech support enables user to collect logs and activities in the system for further troubleshooting by Cisco TAC. Cisco Application Services Engine provides best efforts tech support collection and gives ability to download tech support for individual nodes or consolidated one. Tech support files are hosted on the Cisco Application Services Engine and can be downloaded any time.

Use this procedure to collect Tech Support.

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- Step 1** For collecting tech support, click **Tech Support > Actions** and **Collect Tech Support**.
 - Step 2** Enter the description of the issue and click **Collect**.
 - Step 3** For deleting tech support, click **Tech Support**. Place a check in the tech support log to be deleted. Click **Actions > Delete Tech Support**.
 - Step 4** After tech support is complete, user can download the file for troubleshooting further.
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Audit logs

Use this procedure to view the audit logs.

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- Step 1** Choose **Operations > Audit Logs**.

Step 2 Click **Audit Logs**.

An administrator can monitor configuration modification in the **Audit Logs** view. Audit logs are unsorted by default. Click on any column to sort them.

To check more details about an action, click on the row and you can find out what configuration was changed in the given action.

Back up and Restore

Use this procedure to back up and restore cluster configuration details.

Step 1 Click **Backup and Restore > Actions**.**Step 2** To back up the configuration, click **Back up configuration**.**Step 3** Enter the Encryption key (this is the key to encrypt the data) and the file name. Click **download**. The configuration is backed up and the details are displayed on the **Backup and Restore** page.**Step 4** To restore the configuration, click **Actions** and **Restore configuration**.**Step 5** In the Restore configuration window, enter the import type. Choose **replace** or **merge** based on the action needed to be performed.

Note Cisco Application Services Engine does not store configuration backup, user needs to download the backup and maintain it in their local environment.

replace will replace existing configuration with backedup configuration. **merge** will try to merge existing configuration with backed up configuration.

Step 6 Enter the Encryption key (used to back up the configuration), choose the file for import and click **import**.

Cluster Management

The **Infrastructure** component is an embedded management controller that enables addition or deletion of sites, cluster configuration and Cisco Intersight to the Cisco Application Services Engine.

Sites:

APIC cluster domain or single fabric, treated as an ACI region and availability zone. It can be located in the same metro-area as other sites, or spaced world-wide.

Cluster Configuration:

Cluster Configuration provides cluster details such as name, app subnet, and service subnet. It also provides details of the NTP and DNS servers.

Intersight:

The Intersight component is an embedded management controller that enables the capabilities of Cisco Intersight, a cloud-based management platform.



Note The Cisco NIA app depends on the Intersight Device Connector for the app to be configured and available on the service node.

User Management

The **Administrative** component in the left navigation pane displays the users for Cisco Application Services Engine. The Users tab allows the admin to give access to other users.

Creating a User

Use this procedure to give access to other users.

Step 1 Choose **Administrative > Users**.

Note The users can be either administrative users or read only users.

Step 2 Click **Actions** and then **Create local user** to create a user.

Step 3 Click **Actions** and then **Delete local user** to delete a user.

Step 4 The tile displays the user ID, status, first name, last name, email ID, and privileges of the users.
