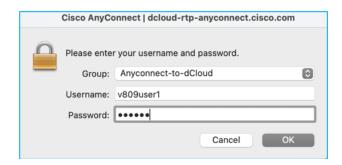
Integration with Cisco DNA Center

Use Cisco AnyConnect to access the lab.



Once connected, use remote desktop to access the JumpHost:

Remote Desktop to Jump Host Credentials:

198.18.133.36 Username: admin Password:C1sco12345

AnyConnect credentials:

Seat#	Usernames	Password	URL
1	v293user1	db0475	dcloud-rtp- anyconnect.cisco.com
2	v2426user1	bfd279	dcloud-rtp- anyconnect.cisco.com
3	v2423user1	ed5ded	dcloud-rtp- anyconnect.cisco.com
4	v2541user1	f89180	dcloud-rtp- anyconnect.cisco.com
5	v2057user1	c63afe	dcloud-rtp- anyconnect.cisco.com
6	v809user1	07cda6	dcloud-rtp- anyconnect.cisco.com

7	v1725user1	725cf0	dcloud-rtp- anyconnect.cisco.com
8	v1214user1	4157a1	dcloud-rtp- anyconnect.cisco.com
9	v554user1	970428	dcloud-rtp- anyconnect.cisco.com
10	v1546user1	ddfbd7	dcloud-lon- anyconnect.cisco.com
11	v907user1	94af40	dcloud-lon- anyconnect.cisco.com
12	v462user1	2f1520	dcloud-lon- anyconnect.cisco.com
13	v996user1	d00d06	dcloud-lon- anyconnect.cisco.com
14	v1793user1	78c4de	dcloud-lon- anyconnect.cisco.com
15	v900user1	f15c3d	dcloud-lon- anyconnect.cisco.com
16	v1602user1	9f85f0	dcloud-lon- anyconnect.cisco.com

Task 1: Add ThousandEyes App to Cisco DNA Center

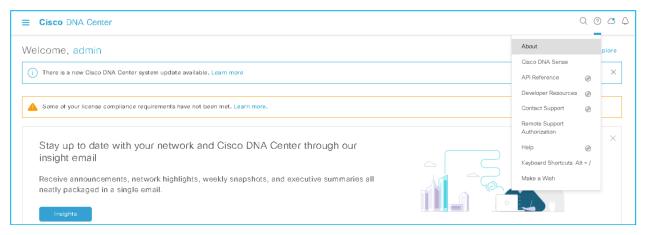
Step1. Login to Jump Host:

Step2. Login to Cisco DNA Center using Google Chrome browser:

Cisco DNA Center Credentials:

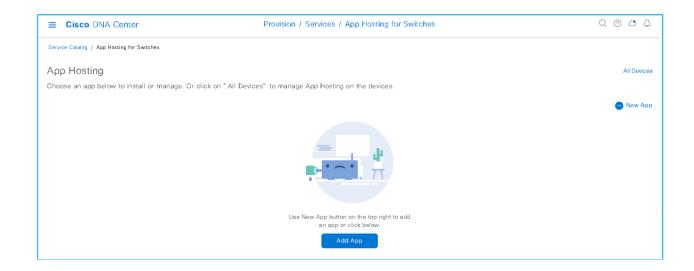
Username: admin Password: C1sco12345

Step3. Verify **Application Hosting** Package is installed by Clicking on **About > Packages**.

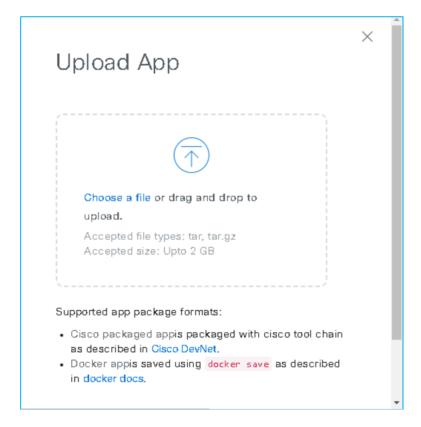




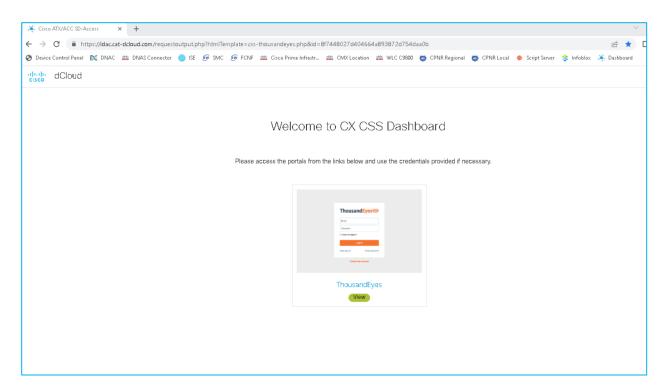
Step4. Click on Menu > Provision > App Hosting for Switches and click on Add App



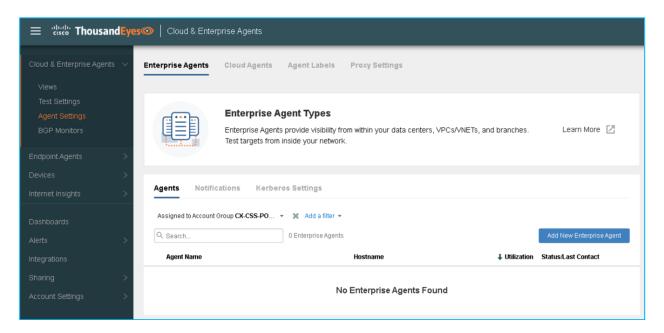
Step5. To upload the App, you need to download and obtain the file from ThousandEyes portal.



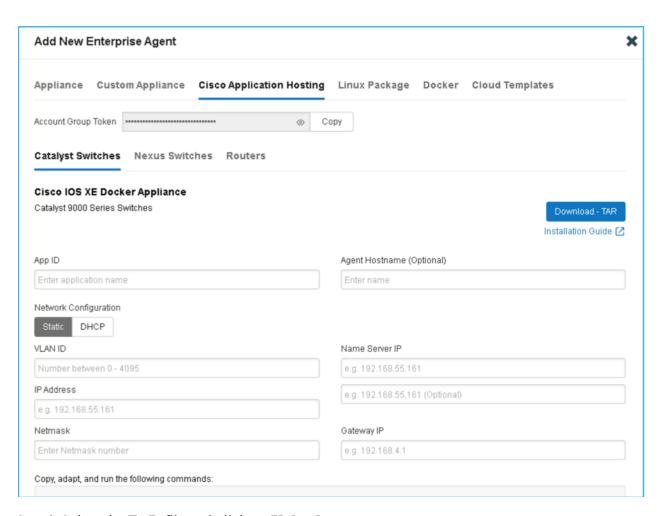
Step5.1. Login to ThousandEyes portal by clicking on **Dashboard** bookmark shortcut on Google Chrome browser and click on **View.**



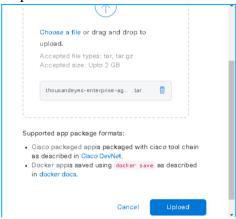
Step5.2. Go to Cloud & Enterprise Agents > Agent Settings > Enterprise Agents tab > Add New Enterprise Agent



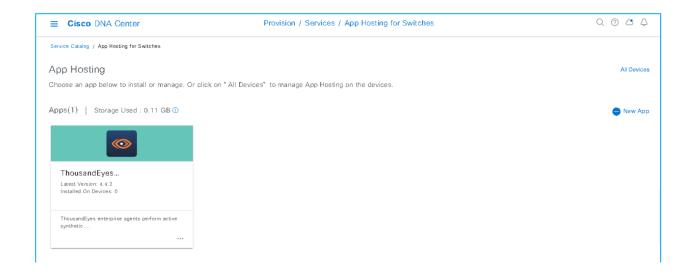
Step5.3. Go to **Cisco Application Hosting** tab > **Download-TAR** file for Catalyst 9000 Series Switches.



Step6. Select the TAR file and click on Upload.



Result: You have successfully installed ThousandEyes App on your Cisco DNA Center.

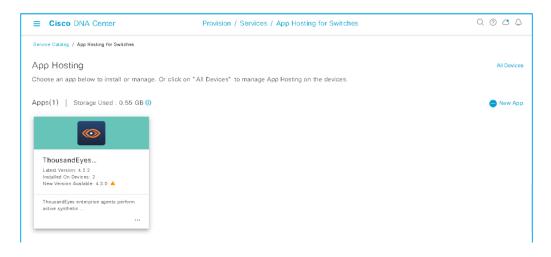


Task 2: Deploy Enterprise Agent via Cisco DNA Center

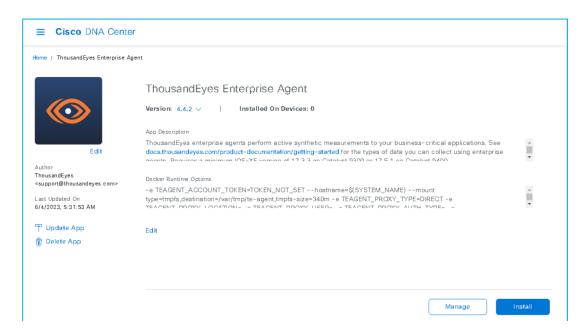
Prerequisites:

- Login credentials to Cisco DNA Center with either Network Admin or Super Admin permissions.
- A VLAN for the Enterprise Agent to use.
- An IP address with a routable subnet with permission to connect to the ThousandEyes cloud, allowing outgoing HTTPS connections directly or through a proxy server.
- Ensure the target devices are reachable and managed by Cisco DNA Center in Inventory.

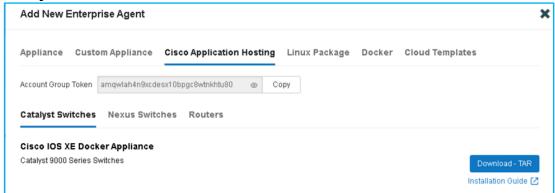
Step1. From Cisco DNA Center go to **Menu > App Hosting for Switches** and click on the ThousandEyes App



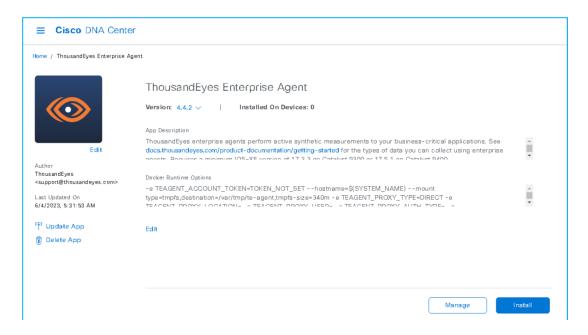
Step2. Add the Account token under Docker Runtime Options.



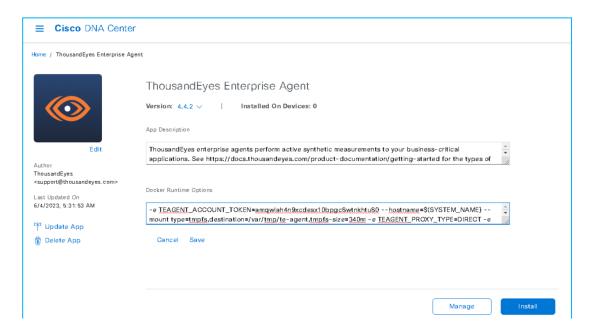
Step2.1. To obtain the **Account token**, go back to ThousandEyes Portal and copy the **Account Group Token**.



Step2.2. Back on Cisco DNA Center ThousandEyes App, click **edit** to add the **Account token** under **Docker Runtime Options**

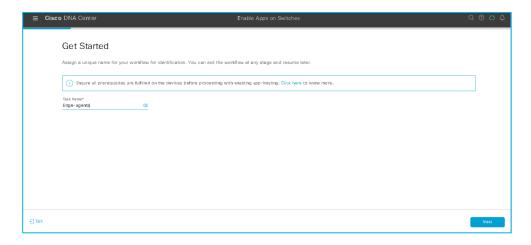


Step2.3. Paste the Account Token you copied from ThousandEyes portal.

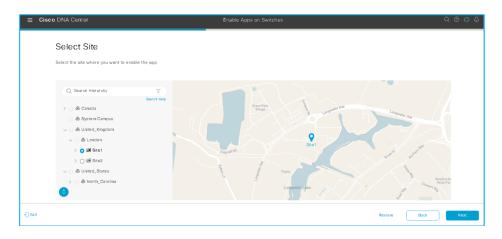


Step2.4. Click Install

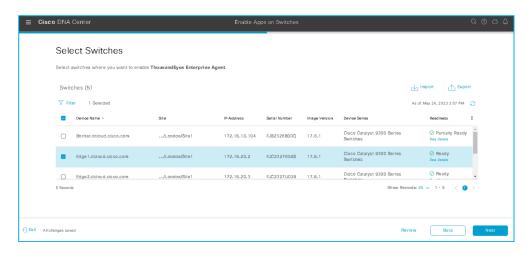
Step3. Give the workflow a name: for example, Edge-agents and click Next.



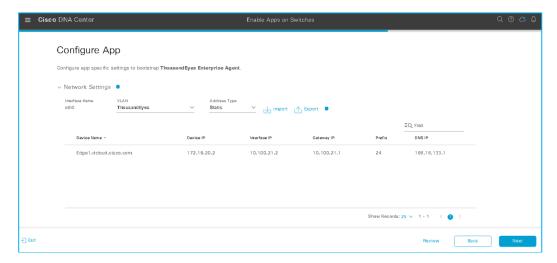
Step4. **Select Site** to select the hierarchy location of the Cat9ks where you want to deploy enterprise agent on and click **Next.**

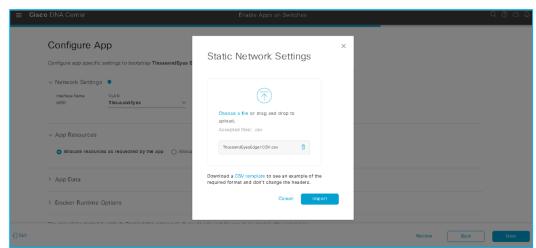


Step5. Select Edge1 and Edge2 Switches and click **Next.** Ensure to click **See Details** under Readiness column to see what parameters are checked.



Step6. Configure App and click Next.





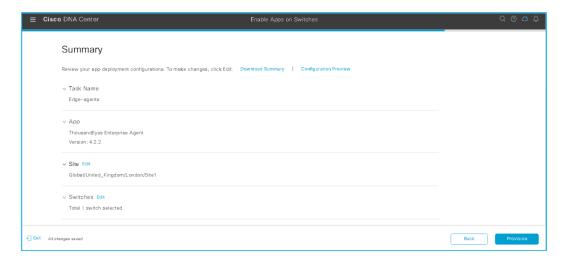
To configure the App use the following settings:

Network Settings:

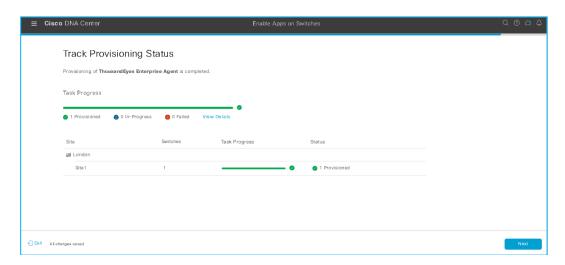
Vlan: ThousandEyes Address Type: Static

Import: ThousandEyes CSV template from **Desktop > 2.3.5 Automation and Assurance** folder. Depending on which Edge device(s) you are using to install the app, choose the CSV template.

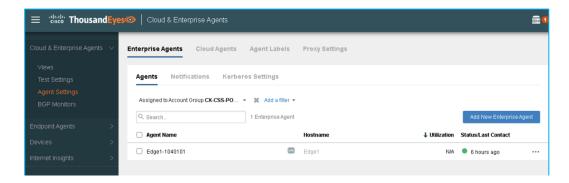
Step6. On the Summary page, verify the configuration is correct and click Provision.



Step7. Track Provisioning Status to check the progress of provisioning.



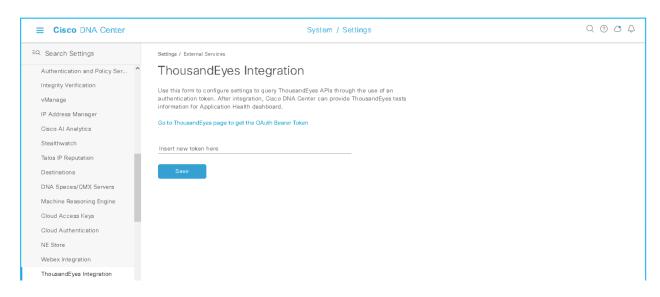
Step8. The Deployed Enterprise Agent will be added to ThousandEyes portal.



Result: You have successfully installed ThousandEyes Agent(s) on Cat9K using Cisco DNA Center Workflow.

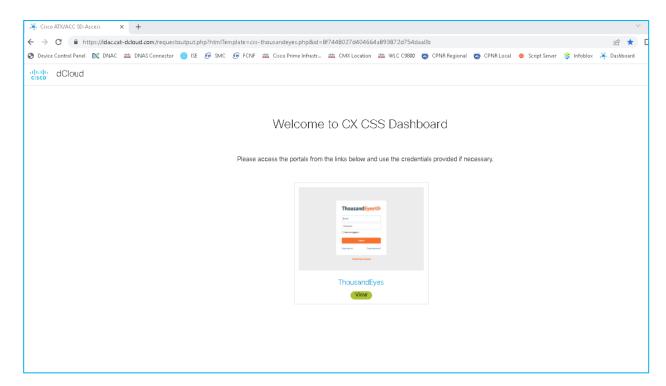
Task 3: Configure ThousandEyes Integration

Step1. Cisco DNA Center Menu > System > Settings > External Services > ThousandEyes Integration

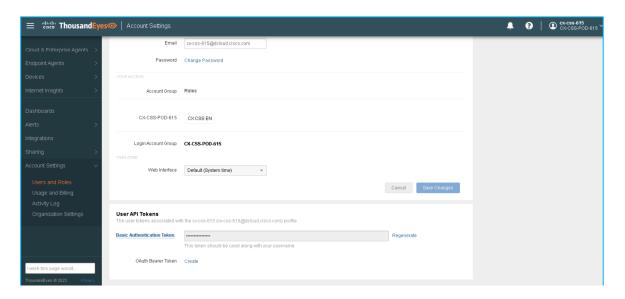


Step2. In the Insert new token here field, enter the authentication token and click Save.

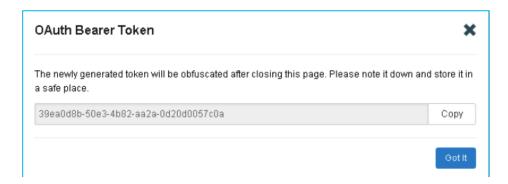
Tip: To receive the OAuth Bearer Token, go to ThousandEyes portal by clicking on **Dashboard** bookmark shortcut on Google Chrome browser and click **View.**



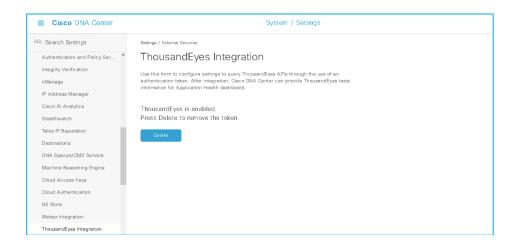
Step2.1. On the ThousandEyes portal go to **Account Settings > Users and Roles > User API Tokens**



Step2.2. For OAuth Bearer Token, click Create and Copy the generated token.

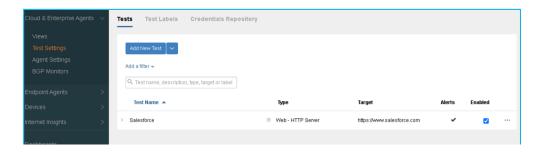


Step3. Verify the Integration is successful.

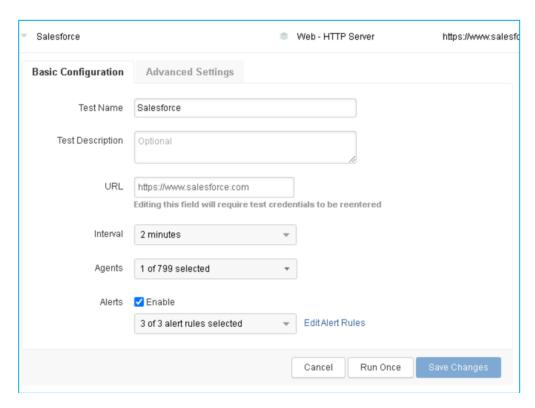


Task 4: Configure a Network or Web Test and see the test data on Cisco DNA Center Assurance

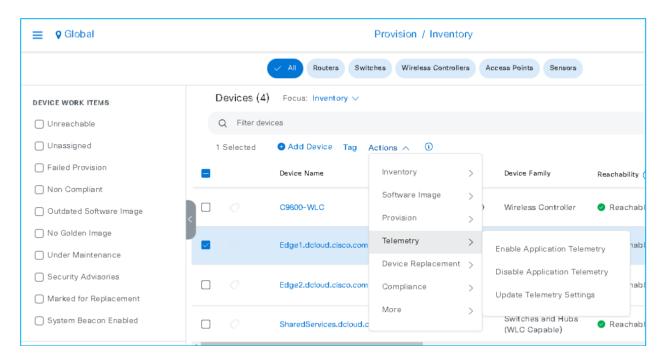
Step1. From ThousandEyes portal go to Cloud & Enterprise Agents > Test Settings > Add New Test



Step2. Create HTTP Server test or a network layer test and select the Edge1 enterprise agent you deployed earlier on the **Agents** drop down menu.



Step3. On Cisco DNA Center **Menu > Provision > Inventory >** select the Edge1 switch > **Telemetry > Enable Application Telemetry**



Step4. Go to **Assurance > Health > Application** dashboard to view the data.

