



## Simplified Workflow for Onboarding Cisco ThousandEyes Agent and Configuring Tests

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## Simplified Workflow for Onboarding Cisco ThousandEyes Agent and Configuring Tests

**Table 1: Feature History**

Feature Name	Release Information	Description
Simplified Workflow for Onboarding Cisco ThousandEyes Agent and Configuring Tests	Cisco IOS XE Catalyst SD-WAN Release 17.16.1a Cisco Catalyst SD-WAN Manager Release 20.16.1	A simplified workflow to easily onboard Cisco ThousandEyes agent and configure tests using Cisco SD-WAN Manager.

# Information About Simplified Workflow for Onboarding Cisco ThousandEyes Agent and Configuring Tests

Minimum supported release: Cisco IOS XE Catalyst SD-WAN Release 17.16.1a and Cisco Catalyst SD-WAN Manager Release 20.16.1

The workflow simplifies the process of onboarding Cisco ThousandEyes agents and configuration of tests in Cisco SD-WAN Manager. Using the simplified workflow, you can easily onboard Cisco ThousandEyes agents and configure application monitoring tests directly from Cisco SD-WAN Manager in a few steps. The streamlined workflow involves the following steps:

- Establish a connection to the Cisco ThousandEyes platform through Cisco SD-WAN Manager.
- Configure tests in Cisco ThousandEyes directly from Cisco SD-WAN Manager.
- Choose applications, sites, and devices for testing and configure the necessary parameters in Cisco SD-WAN Manager.
- Monitor the agents and tests from the **ThousandEyes Monitoring** dashboard in Cisco SD-WAN Manager.

## Prerequisites for Simplified Workflow to Onboard Cisco ThousandEyes Agent and Configure Tests using Cisco Catalyst SD-WAN Manager

Minimum supported release: Cisco IOS XE Catalyst SD-WAN Release 17.16.1a and Cisco Catalyst SD-WAN Manager Release 20.16.1

- Ensure the following before initiating the simplified workflow:
  - You have a Cisco ThousandEyes account before using the simplified workflow to configure a Cisco ThousandEyes agent in Cisco SD-WAN Manager.
    - You must be a user with the Organization Admin role to access the Cisco ThousandEyes account.
  - An appropriate NAT configuration exists to enable the Cisco ThousandEyes Enterprise agent to discover and connect to the Cisco ThousandEyes application. For more information, see [NAT Direct Internet Access](#)
  - Create an IP pool in the global node of Network Hierarchy Manager.
- Complete the following tasks before initiating the simplified workflow.

**Table 2: Tasks Before Running the Simplified Workflow**

Configuration Task	Information
Deploy Cisco IOS XE Catalyst SD-WAN devices using the configuration group.	See <a href="#">Deploy Devices Using the Deploy Configuration Group Workflow</a>

Configuration Task	Information
Upload Cisco ThousandEyes Enterprise agent software.	<ul style="list-style-type: none"> <li>To upload software on the Cisco SD-WAN Manager software repository, see <a href="#">Upload Cisco ThousandEyes Enterprise Agent Software to Cisco SD-WAN Manager</a></li> <li>To add Virtual Images from a remote server, see <a href="#">Add Virtual Images to the Repository</a></li> </ul>
Create an IP pool in the global node of Network Hierarchy Manager. When deploying Cisco ThousandEyes agent through the workflow, the Virtual Port Group Interface IP address contains this IP pool.	See <a href="#">Create an IP Pool for the ThousandEyes Agents</a>
Add IPv4 DNS server details in the Transport VPN feature of the Configuration Group associated with the device.	See <a href="#">DNS</a>

## Create an IP Pool for the Cisco ThousandEyes Agents

Minimum supported release: Cisco Catalyst SD-WAN Manager Release 20.16.1 and Cisco IOS XE Catalyst SD-WAN Release 17.16.1a

1. From the menu, choose **Configuration > Network Hierarchy**.



**Note** The page displays the site pool and region pool for the Global node.

2. Click **Pools**.
3. Click **Add Pool**.
4. In the **Pool Name** field, enter a name for the pool.
5. In the **Pool Description** field, enter a description of the pool.
6. From the **Pool Type** drop-down list, choose **ThousandEyes**.
7. In the **IP Subnet\*** field, enter an IP address.
8. In the **Prefix Length\*** field, enter the prefix length of the system IP pool.
9. Click **Add**.

# Restrictions for Simplified Workflow to Onboard Cisco ThousandEyes Agent and Configure Tests Using Cisco Catalyst SD-WAN Manager

Minimum supported releases: Cisco Catalyst SD-WAN Manager Release 20.16.1 and Cisco IOS XE Catalyst SD-WAN Release 17.16.1a

- The workflow does not support editing tests or updating agent parameters for sites with deployed Cisco ThousandEyes agents.
- The simplified workflow supports only devices that are deployed with configuration groups.
- In the workflow, you can select only one device in a site to deploy the Cisco ThousandEyes Agent and configure tests associated with it. To deploy Cisco ThousandEyes Agent on multiple devices in a site, use the Configuration Group method, see [Using Configuration Groups](#).

## Configure Cisco ThousandEyes Agent and Tests Using Workflows

Minimum supported release: Cisco Catalyst SD-WAN Manager Release 20.16.1 and Cisco IOS XE Catalyst SD-WAN Release 17.16.1a

1. From the Cisco SD-WAN Manager menu, choose **Workflows > Workflow Library**.
2. Start the **Configure ThousandEyes** workflow.
3. Read the terms and conditions. After accepting the terms and conditions, click **Connect ThousandEyes** to start the workflow.
4. When the Cisco ThousandEyes portal opens, log in to your account using your login credentials. The page redirects to Cisco SD-WAN Manager.
5. Follow the instructions provided in the workflow.



**Note** In the workflow, select all sites associated with a specific Configuration Group simultaneously. This ensures that the Configuration Group with Cisco ThousandEyes agent applies to all sites associated with the Configuration Group.



**Note** The time required to onboard Cisco ThousandEyes agent and configure tests varies based on the size of your network.

**What to do next:**

- Monitor the status of agents and enable or disable agents in the **ThousandEyes Monitoring** dashboard in the Cisco SD-WAN Manager.
- Launch **ThousandEyes Monitoring** dashboard to view test results.

## Monitor Onboarded Cisco ThousandEyes Agents and Configured Tests

Minimum supported release: Cisco Catalyst SD-WAN Manager Release 20.16.1 and Cisco IOS XE Catalyst SD-WAN Release 17.16.1a

To monitor the status of Cisco ThousandEyes agents and configured tests in the Cisco SD-WAN Manager monitoring dashboard, navigate to **Tools > ThousandEyes Monitoring**.

You can view the online, offline, and disabled agents, and launch Cisco ThousandEyes from the dashboard.

The monitoring dashboard includes two sections:

- **Tests:** Provides information about the tests configured using the simplified workflow.
- **Agents:** Provides information about the status of Cisco ThousandEyes agents configured using the simplified workflow. It also provides a list of configured devices and sites for the test, allowing you to enable, disable, or delete a Cisco ThousandEyes agent.

## Troubleshoot Cisco ThousandEyes Enterprise Agent on Cisco IOS XE Catalyst SD-WAN Device

Minimum supported release: Cisco IOS XE Catalyst SD-WAN Release 17.16.1a and Cisco Catalyst SD-WAN Manager Release 20.16.1

1. Review the following log files in Cisco SD-WAN Manager for error messages or relevant information:  
/var/log/nms/vmanage-server.log and  
/var/log/nms/vmanage-server-deviceconfig-template.log.
2. Examine the audit logs to determine if the ThousandEyes test was posted or it failed.

