

在会议室操作系统设备和MTR设备上配置千只眼睛

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简介

本文档介绍如何设置会议室操作系统设备和Microsoft Teams Room(MTR)设备。

先决条件

要求

Cisco 建议您了解以下主题：

- 知识和访问Thousand Eye门户
- 房间操作系统(OS)设备的知识和访问权限
- Cisco Webex Control Hub的知识和访问权限
- 确定

使用的组件

本文档中的信息基于以下软件和硬件版本：

- Thousand Eye门户
- 会议室操作系统设备
- Webex Control Hub

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您的网络处于活动状态，请确保您了解所有命令的潜在影响。

背景信息

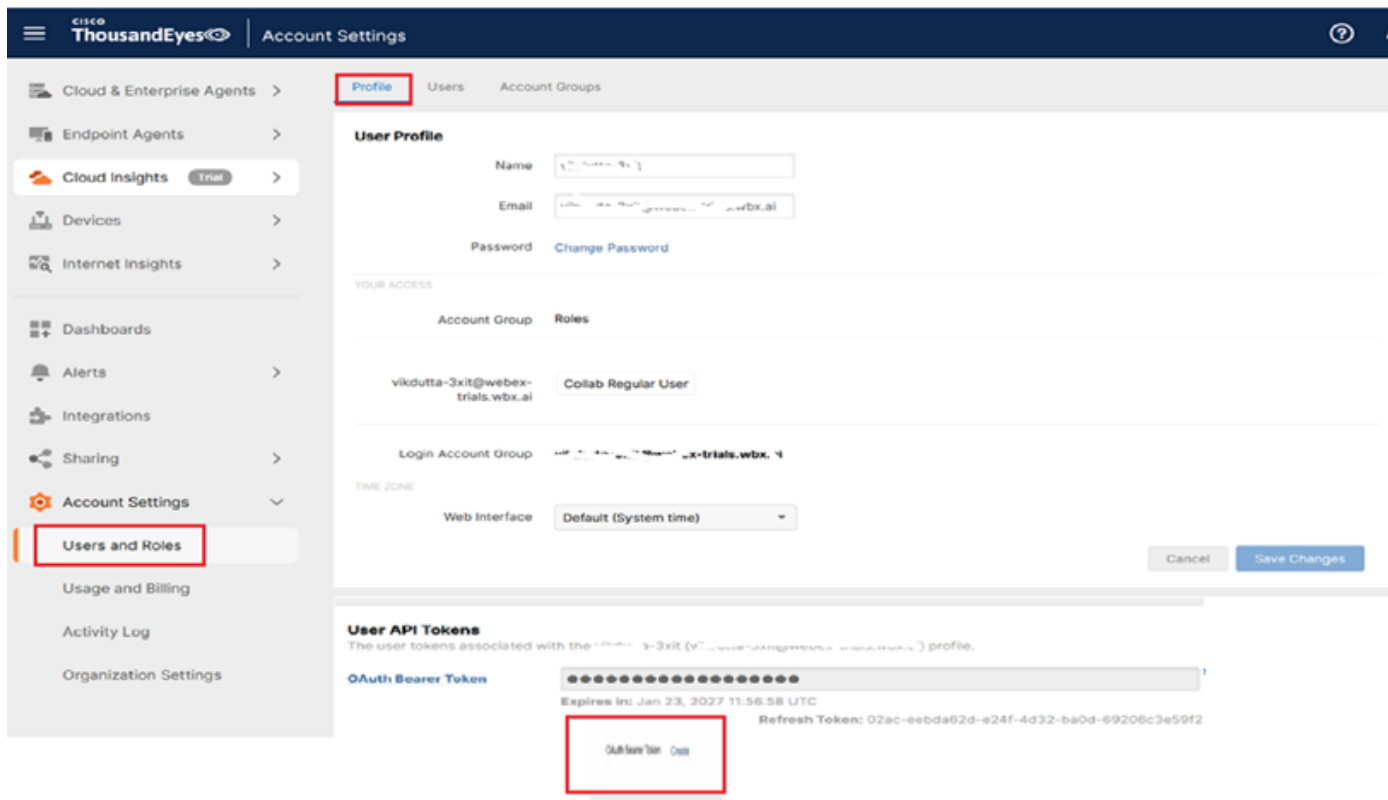
思科的RoomOS使您的思科设备能够提供卓越的混合工作体验 — 提高工作效率和协作。Thousand Eye Endpoint代理本地集成到RoomOS设备中，并在这些设备参与会议时提供逐跳网络路径可视性。可以使用Control Hub（与Windows和macOS客户端相同的集成）显式激活这些代理。因此，网络管理员将拥有熟悉的故障排除经验。

配置

步骤1: 在控制中心应用ThousandEyes承载令牌

开始访问Thousand Eye控制面板并创建OAuth持有者令牌。

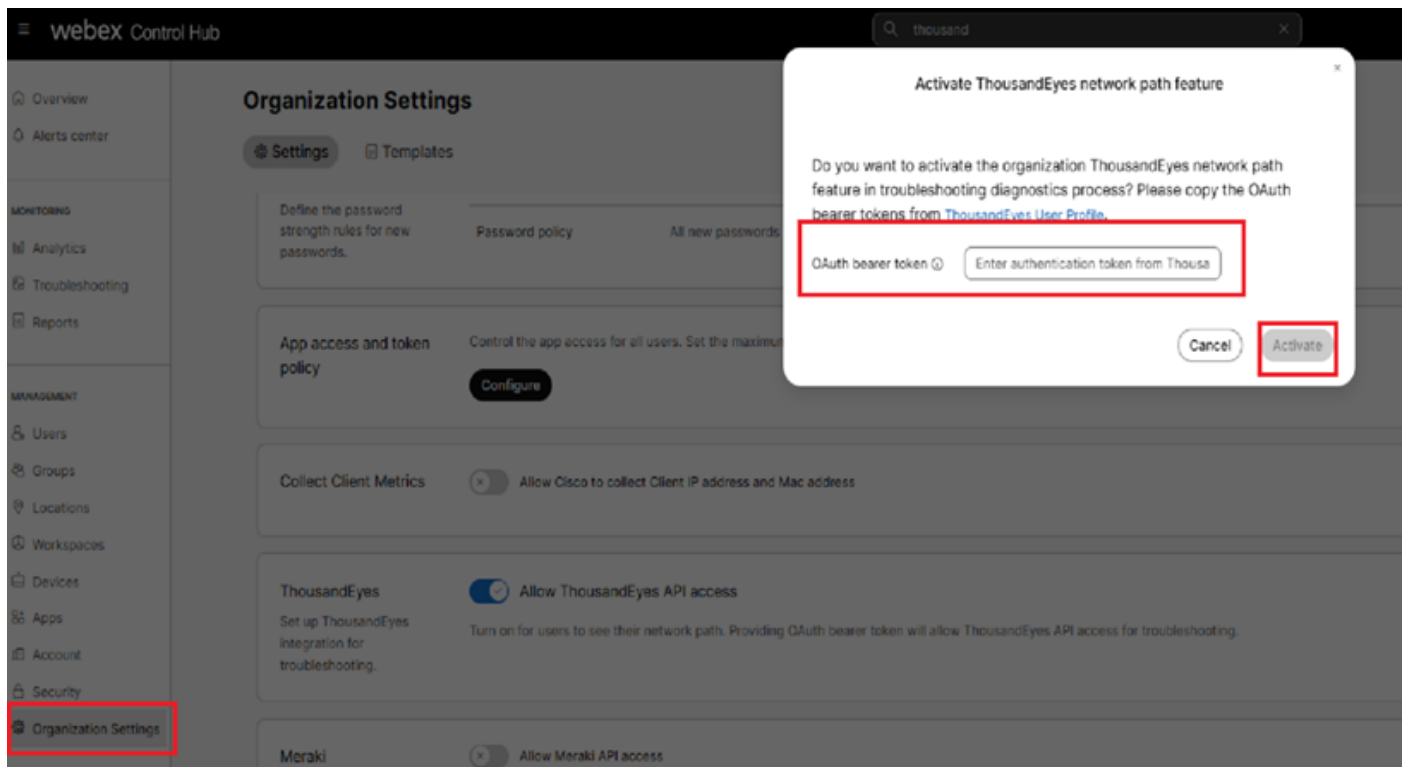
在流量工程(TE)控制面板上启用OAuth承载令牌。确保安全保存令牌以供将来使用。



导航至控制中心。单击Organization Settings，然后单击Search Thousand Eyes。

将Allow ThousandEye API access开关切换为on。

系统将显示一个弹出窗口。粘贴您从ThousandEyes用户API令牌部分复制的OAuth承载令牌并激活服务。



受信任的站点如下所示：

ThousandEyes

Set up ThousandEyes integration for troubleshooting.



Allow ThousandEyes API access

Turn on for users to see their network path. Providing OAuth bearer token will allow ThousandEyes API access for troubleshooting.

ThousandEyes account group is: [XXXXXXXXXXXXXXXXXXXX](#)

步骤2.将房间操作系统设备添加到控制中心

使用16位代码将设备添加到控制中心。

The screenshot shows the Webex Control Hub interface. On the left is a navigation sidebar with sections: Overview, Alerts center, MONITORING (Analytics, Troubleshooting, Reports), and MANAGEMENT (Users, Groups, Locations, Workspaces, and Devices). The 'Devices' menu item is highlighted with a red box. The main content area is titled 'Devices' and shows details for a 'Cisco Desk Pro' device, which is highlighted with a red box. The status is 'Online', and it is categorized under 'Rooms & Desks'. Below this, there are tabs for Overview, History, Lifecycle, and New. The 'Details' section lists the following information:

Wired	10.104.130.23
Network connectivity	IP address
CC-14:52:78:7D:50	50024C7BF4
MAC address	Serial number
vikram_deskpro@... .webex.com	
SIP address	

步骤3.在会议室操作系统设备上启用ThousandEyes

现在，让云注册设备感知Thousand Eye。

在Thousand Eye控制面板上，导航到Endpoint Agents > Agent Settings > Add New Endpoint Agent。

The screenshot shows the Cisco ThousandEyes Endpoint Agents interface. The left sidebar has a menu with 'Endpoint Agents' selected, and 'Agent Settings' is highlighted with a red box. The main content area shows a table of endpoint agents. The 'Add New Endpoint Agent' button is highlighted with a red box. The table has the following columns: Name, Agent Version, Browser Extension, Current Location, Last Contact, Public IP Address, Private IP Address, Last Modified, and License Type. The table contains one agent with the following details:

Name	Agent Version	Browser Extension	Current Location	Last Contact	Public IP Address	Private IP Address	Last Modified	License Type
SEF...	1.207.2	-	Bangalore, Karnataka, India	7 minutes ago	...	10.104.130.23	3 hours ago	Advantage

单击Add New Endpoint Agent并复制新的连接字符串。

ThousandEyes

Endpoint Agents

Cloud & Enterprise Agents

Endpoint Agents

Overview

Views

Agent Views

Test Settings

Agent Settings

Cloud Insights

Devices

Internet Insights

Dashboards

Endpoint Agents

Proxy Settings

Agent Labels

Advanced Agent Settings

Add a filter

Search by Name or Hostname

1 Endpoint Agent

Name	Agent Version	Browser Extension
S3FD77CY+V0rK+4fbg8SUG5+e1ePKQ5Vz0eVwAZe00-SgKQGG7Y2a3QvZARakS7QJd6f1xKQ0n5	1.207.2	-

Endpoint Agent

(Recommended) Full featured endpoint agent.

Endpoint Agent Pulse

Endpoint agent not including support for browser-based data collection.

Windows

Windows 10 or higher. Browser Session Data requires Google Chrome 41+, Internet Explorer 11+ or Microsoft Edge 79+

SHA256:f1c03c604109ac6fa35a...

SHA256:62a964735713de0f6f472...

MSI (x86)

MSI (x64)

Download

Download

MacOS

macOS 11 (Big Sur) or higher. Browser Session Data requires Google Chrome 41+ or Microsoft Edge 79+

SHA256:8ec7bc969e0e9b1844e...

SHA256:62a964735713de0f6f472...

PKG (x64)

PKG (arm64)

Download

Download

Agent Reinstallation Key

.....

Regenerate New Key

The agent reinstallation key is unique for the entire account. As explained [here](#), using this key in the installation process will merge new agents with the corresponding existing agents, if they share the same hostname.

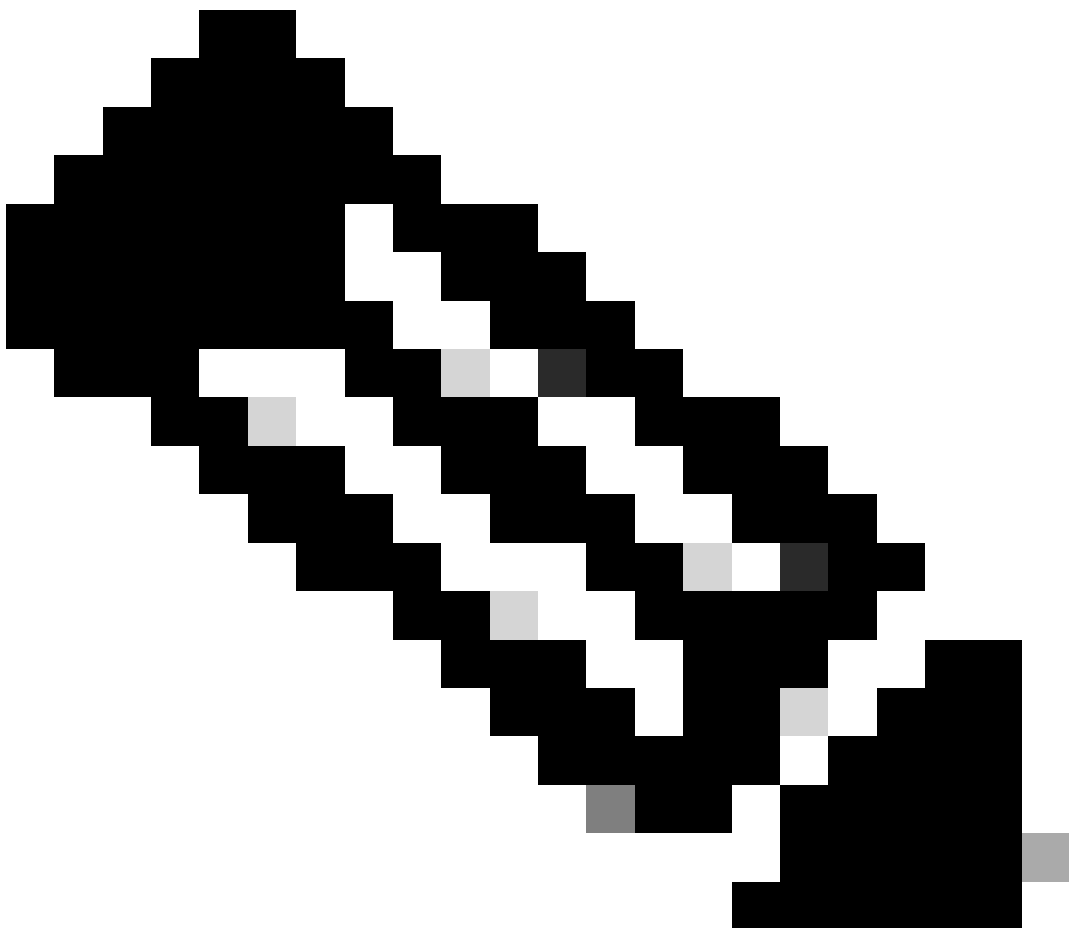
Connection String

S3FD77CY+V0rK+4fbg8SUG5+e1ePKQ5Vz0eVwAZe00-SgKQGG7Y2a3QvZARakS7QJd6f1xKQ0n5

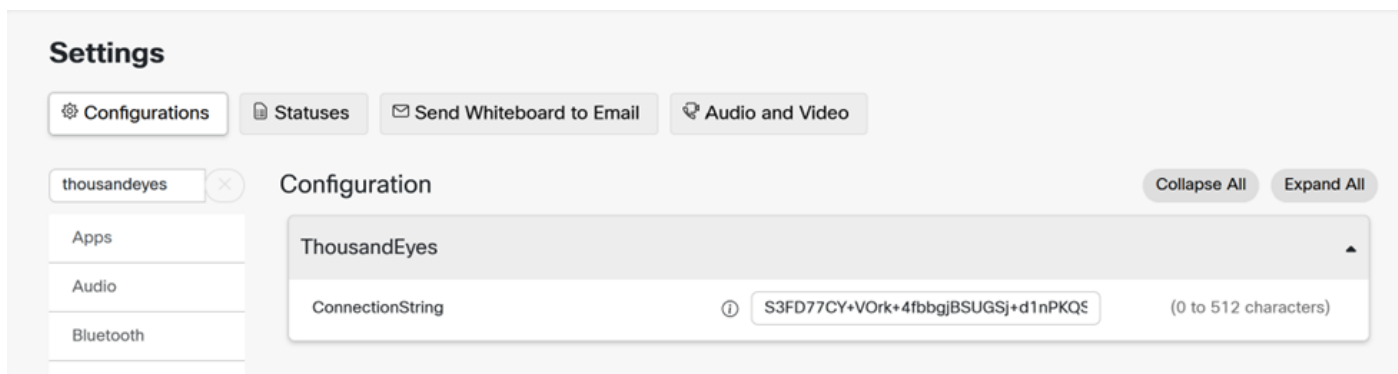
Copy

The connection string is used for some integrations and other client types.

在房间操作系统设备上添加连接字符串。

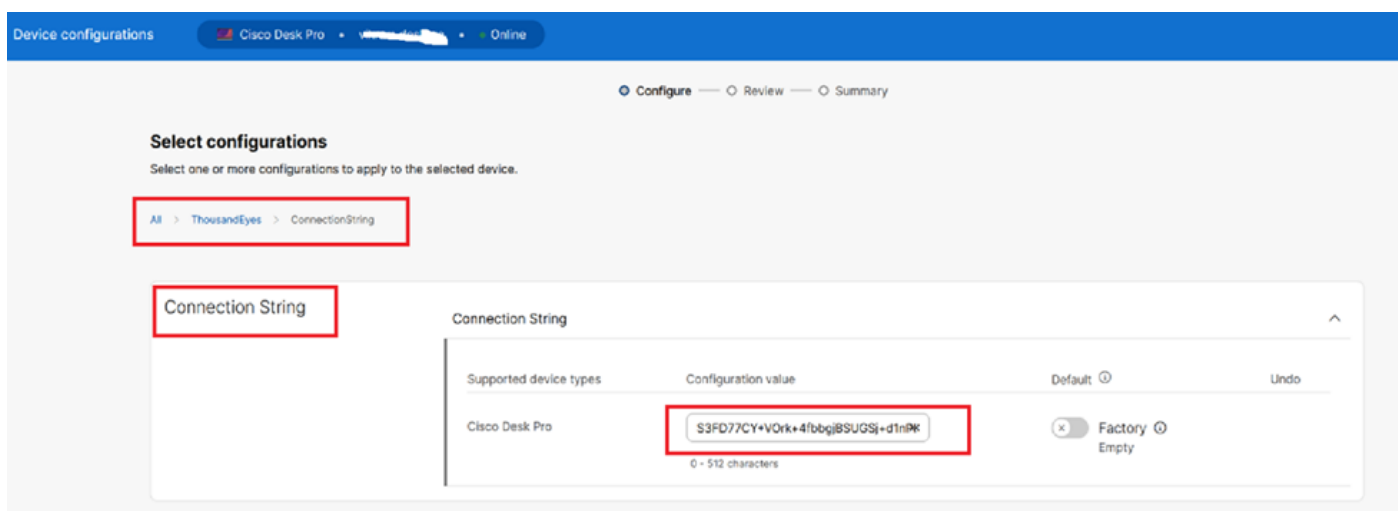


注意：此连接字符串在设备级别添加。只有此设备才能向TE发送统计信息。

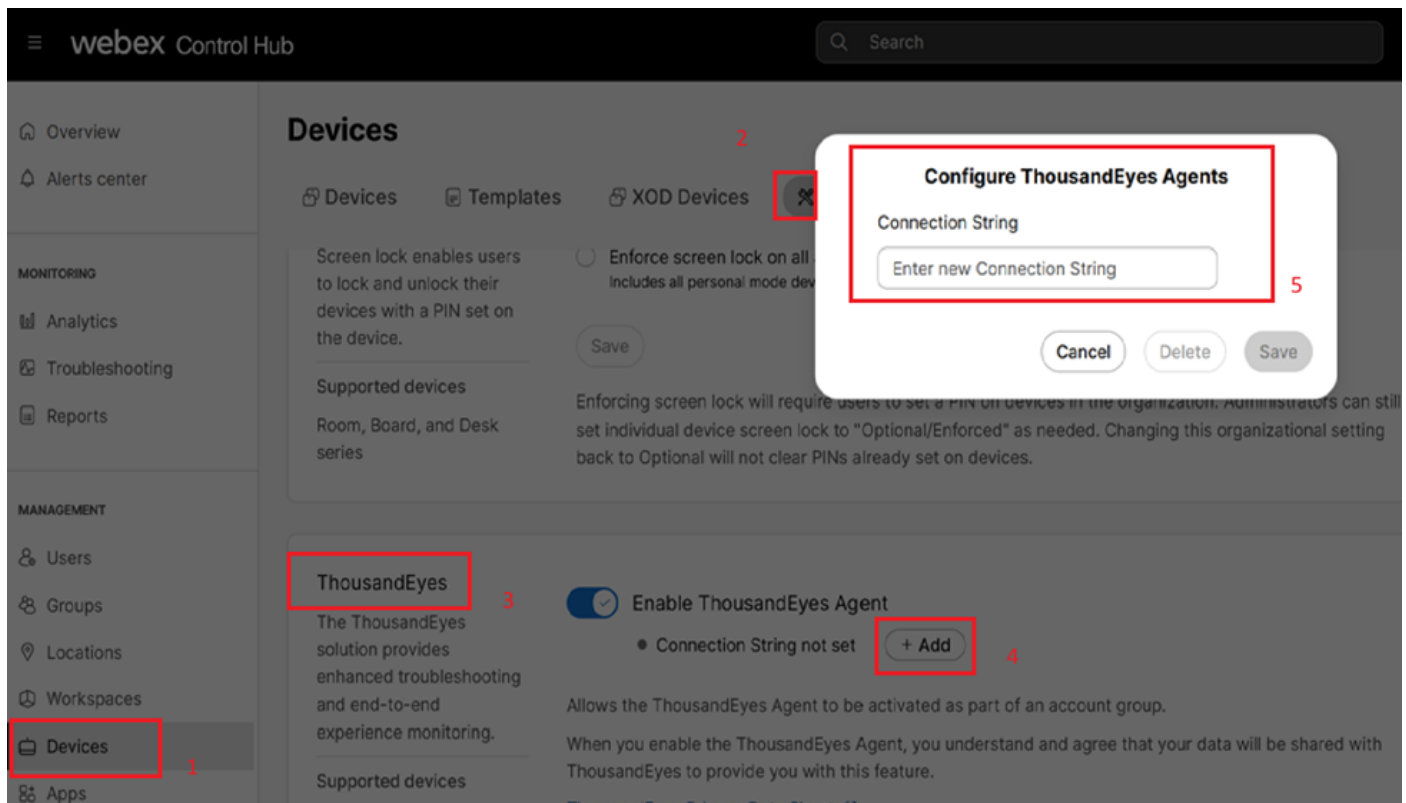


或者

导航到控制集线器>设备>设备>所有配置，并搜索Thousand Eyes > Add Connection String。

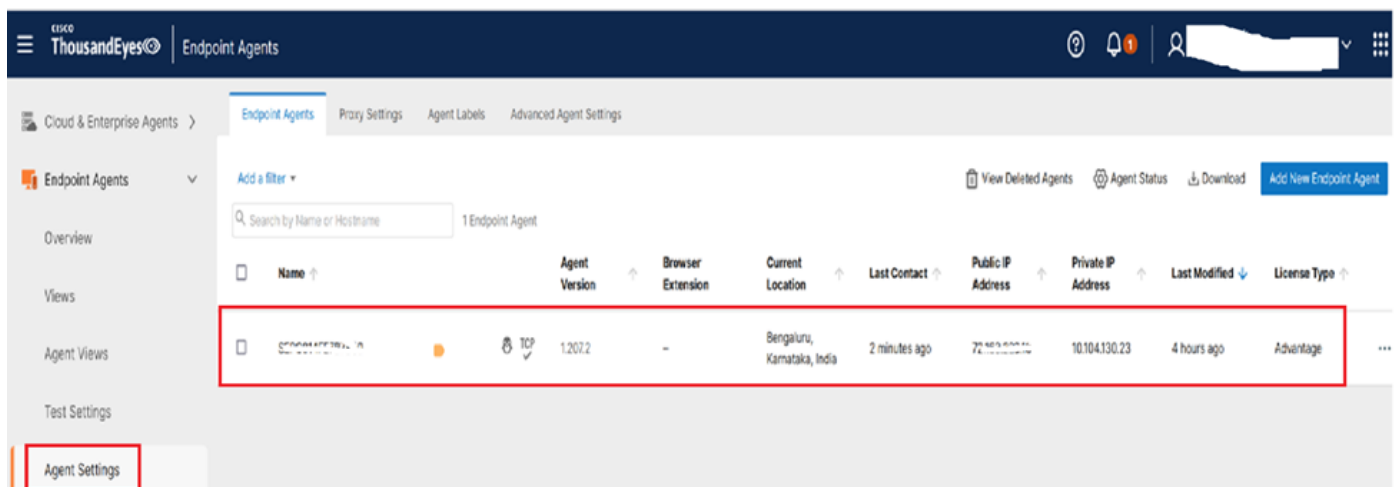


对于将在控制中心中添加的所有设备生效的“全局级别”集成，导航到设备>设置>千只眼，然后点击添加，插入连接字符串。



添加字符串后，导航到Thousand Eyes Dashboard，并检查是否看到添加的设备。

在代理设置下，您必须能够看到新设备已添加。



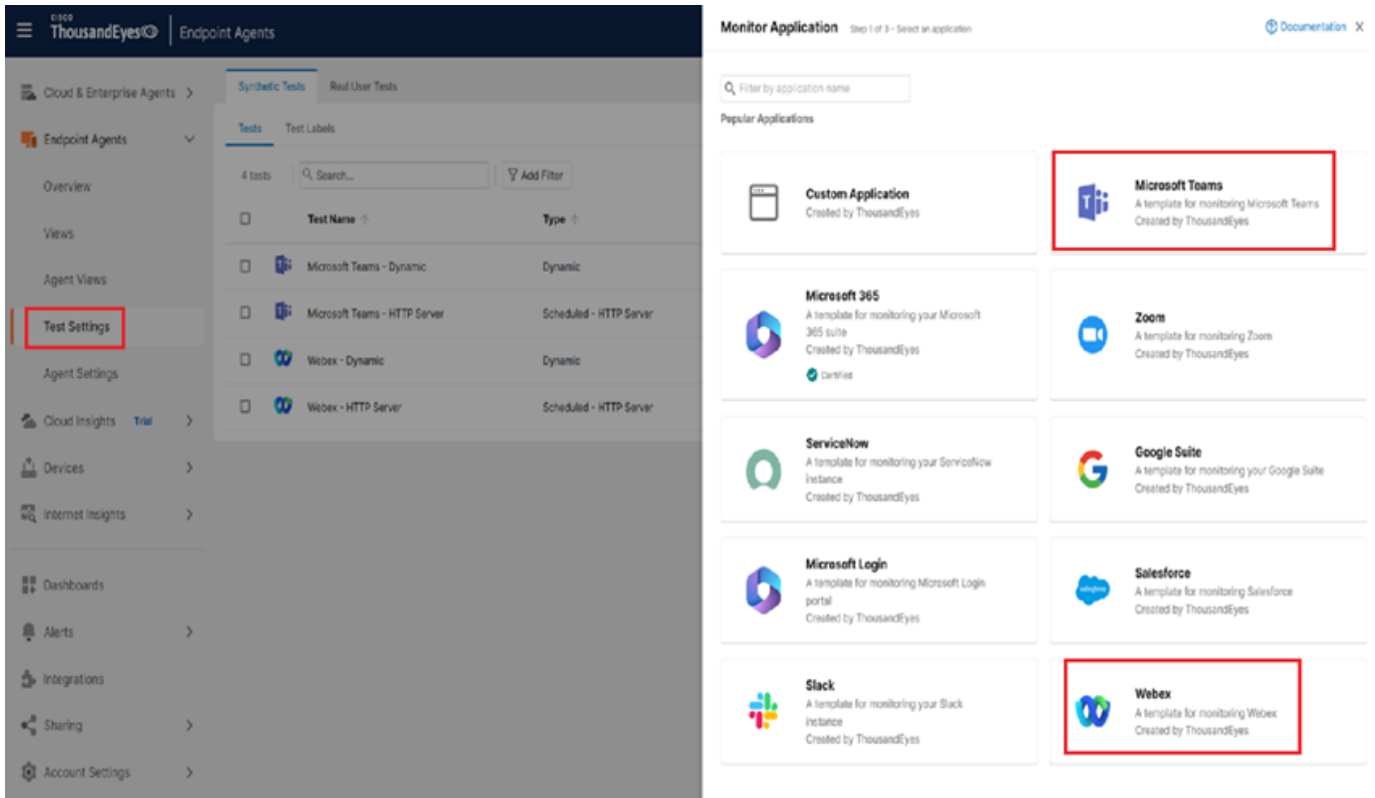
步骤4.创建代理测试

现在，在“千只眼”控制面板上，您必须创建座席测试。

座席测试提供设备平台特定的模板，这些模板还可用于在会议中从设备获取统计数据。例如，Webex平台。

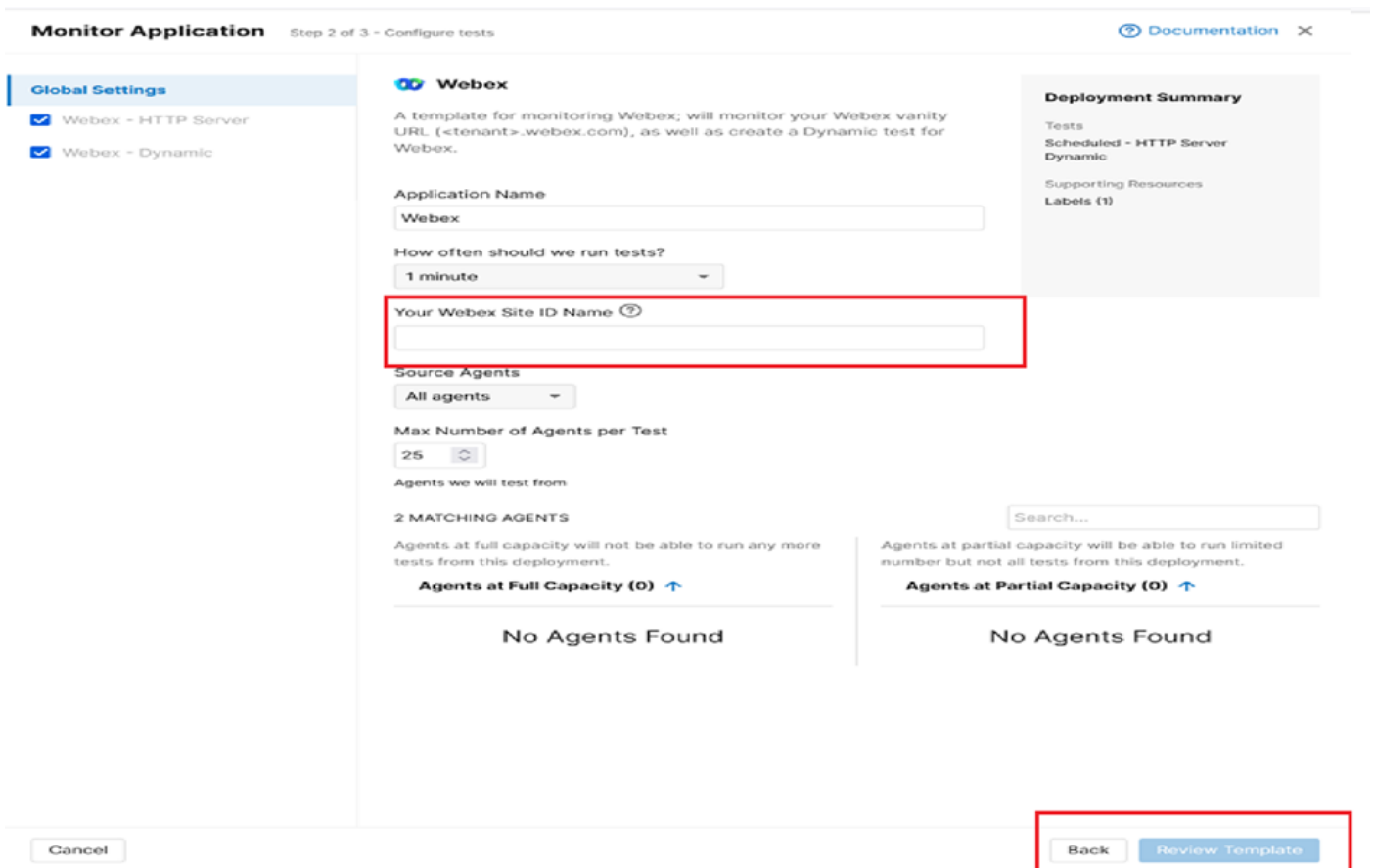
在Thousand Eye Platform上，导航到Endpoint Agents > Test Settings > Monitor Application。

如果您打算监控RoomOS设备Webex呼叫，请选择Webex。



单击Webex卡以添加Webex Test Agent。

从Control Hub中查找您的Webex站点ID名称，然后在此处添加。



站点ID位于Control Hub >(Left Side Menu)Services > Meetings。

Meeting					
Sites Settings Manage Meetings and Webinars Templates					
Site name	Subscription ID	User management		Site link status	Additional information
vik-***-sbx.webex.com	trialSub, ***-487c-ae83-...	Control Hub		Not Applicable	

现在，您已部署Webex Agent以查看TE控制面板上的统计信息。

Synthetic Tests Real User Tests						
Tests Test Labels						
4 tests		Search...		Add Filter		View Deleted Tests Monitor Application
☐	Test Name ↑	Type ↑	Target ↑	Last Modified ↓	Running Agents (24h) ↑	Enabled
☐	Microsoft Teams - Dynamic	Dynamic	Microsoft Teams	4 hours ago	1	...
☐	Microsoft Teams - HTTP Server	Scheduled - HTTP Server	https://teams.microsoft.com	4 hours ago	1	...
☐	Webex - Dynamic	Dynamic	Webex	4 hours ago	1	...
☐	Webex - HTTP Server	Scheduled - HTTP Server	https://sakatuka-ga-sandbox.webex.com	4 hours ago	1	...

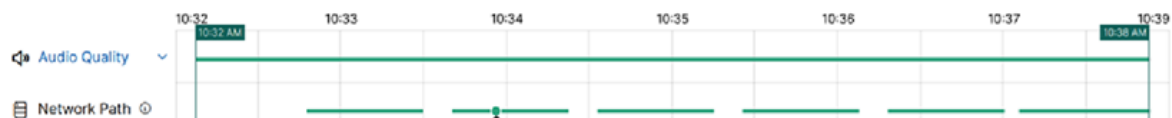
Synthetic Tests Real User Tests						
Tests Test Labels						
4 tests		Search...		Add Filter		View Deleted Tests Monitor Application
☐	Test Name ↑	Type ↑	Target ↑	Last Modified ↓	Running Agents (24h) ↑	Enabled
☐	Microsoft Teams - Dynamic	Dynamic	Microsoft Teams	4 hours ago	1	...
☐	Microsoft Teams - HTTP Server	Scheduled - HTTP Server	https://teams.microsoft.com	4 hours ago	1	...
☐	Webex - Dynamic	Dynamic	Webex	4 hours ago	1	...
☐	Webex - HTTP Server	Scheduled - HTTP Server	https://sakatuka-ga-sandbox.webex.com	4 hours ago	1	...

现在，由于您已经列出了代理，它已准备好从连接到Webex媒体节点的Room OS设备监听统计信息。Webex站点是TE上的受信任应用程序代理。

现在，Webex媒体节点会将流量中继到TE应用，并且您将能够看到房间操作系统的抖动、丢失和网络路径。

Participant Details - vikram deskpro (vikram_deskpro@ns.webex.com)

All



Network Path 10:34 - 10:35



Name	IP Address	Private IPv4	Loss	Latency	Jitter	Location
SEPC014FE7B7B...	10.104.130.23	10.104.130.23	0%	44ms	4ms	Bengaluru, Karna...

[Launch ThousandEyes Dashboard](#) [Copy ThousandEyes URL](#)

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