Configure Tests in the Cisco ThousandEyes

Contents

Introduction

This document describes the process to create the tests in CiscoThousand Eyes.

Prerequisites

Requirements

Knowledge of ThousandEyes.

Cisco ThousandEyes Demo or corporate account and access privileges to create a test.

Components Used

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.
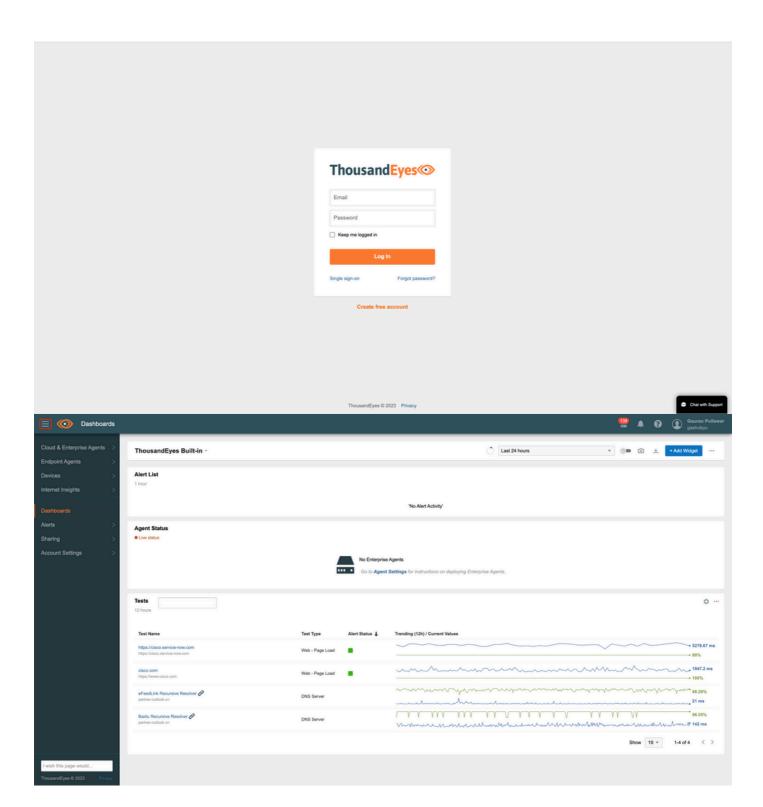
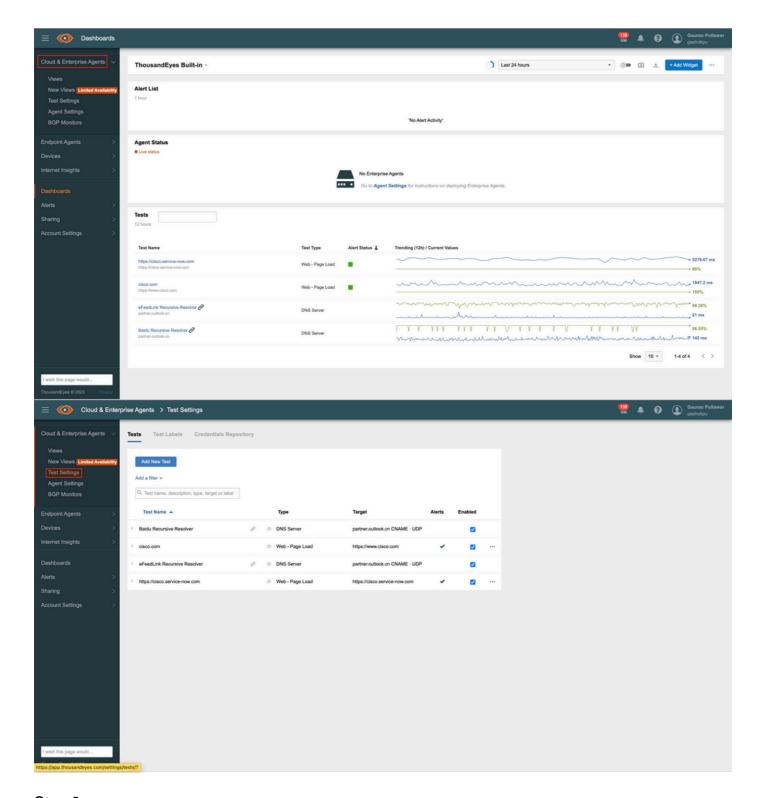## Configure

Configurations

Step 1:

Sign in to the Cisco ThousandEyes portal.

Click the Hamburger icon to navigate to the menu.

Step 2:

Click **Cloud and Enterprise Agents** and select **Test Settings.**

Step 3:

To create a new test, click the **Add New Test** button.

Step 4:

Go to the **New Test** section, Here you have the 5 types of layers:

1. Route
2. Network
3. DNS
4. Web
5. Voice

You can choose any one of these available options.

For example, you can select the WEB layer test.

Step 5:

For the WEB layer, there are 4 types of tests:

1. HTTP Server
2. Page load
3. Transaction
4. FTP Server

For example, you can choose the Page Load test.

Step 6:

Enter the test name and description field, if the test name is not filled in, it is auto-filled by the destination URL, once it is entered.

Step 7:

Move to the **Basic Configuration** section.

Here you need to add the destination URL in the URL field.

Select Page Load Interval. By default it is 1 minute. You can set it up to 1 hour.

After the Page Load Interval, select **HTTP Server Interval**. The default value is 1 minute. You can set it up to

1 hour.

For example, 5 minutes was selected.

Step 8:

Select the agents you want to use as sources for these tests. For optimal utilization of the platform, you can choose 5 agents from all the cloud agents.

For example, these agents have been chosen:

1. Bangalore
2. Singapore
3. San Jose
4. Amsterdam, Netherlands
5. Johannesburg, South Africa

Step 9:

Click the check box to enable the alerts. If there are any customized rules configured, you can choose those.

Once all the fields are filled, click the Run Once button, it executes the test and shows the results in a new tab.

If the results are satisfactory, click **Create New Test**.

Verify

After the test is successfully created, it can be viewed under **Test Settings.**

Click on the test and its details can be displayed.

To see the results and run the test in the future, you can access it through the View menu.

These images show the test results after it is executed:

Add New Test

Add a filter ▾

🔍 Test name, description, type, target or label

Test Name ▲			Type	Target	Alerts	Enabled	
▸ Baidu Recursive Resolver	🔗	≋	DNS Server	partner.outlook.cn CNAME · UDP		☑	
▸ cisco.com		≋	Web - Page Load	https://www.cisco.com	✔	☑	⋯
▸ eFeedLink Recursive Resolver	🔗	≋	DNS Server	partner.outlook.cn CNAME · UDP		☑	
▾ https://cisco.service-now.com		≋	Web - Page Load	https://cisco.service-now.com	✔	☑	⋯

Basic Configuration   Advanced Settings

Test Name https://cisco.service-now.com

Test Description page load

URL https://cisco.service-now.com
Editing this field will require test credentials to be reentered

Schedule [Default] [Round-robin]

Page Load Interval 5 minutes ▾

HTTP Server Interval 5 minutes ▾

Agents 5 of 701 selected ▾

Alerts ☑ Enable
4 of 5 alert rules selected ▾   Edit Alert Rules

[Cancel] [Run Once] [**Save Changes**]

General Information

Sharing   Share with other customers

Created   By Gaurao Pullawar
Just now

Views Enabled for This Test

Web   Page Load
            HTTP Server
Network   Overview
            Path Visualization
Routing   BGP Route Visualization

≡ 👁 Cloud & Enterprise Agents > Views   138 🔔 ❓ 👤 Gaurao Pullawar / gashokpu

Cloud & Enterprise Agents ▾

Views
New Views [Limited Availability]
Test Settings
Agent Settings
BGP Monitors

Endpoint Agents ▸
Devices ▸
Internet Insights ▸

Dashboards
Alerts ▸
Sharing ▸
Account Settings ▸

I wish this page would...

ThousandEyes © 2023   Privacy

Instant Test
https://cisco.service-now.com   **Agent** All agents ▾   Run Again 🗁 Save ⬆ Share

≋ Views

Metric
Page Load Time ▾

WEB
Page Load
HTTP Server

NETWORK
Overview
Path Visualization

24h 7d 14d   ■ Average Page Load Time   6.58 s

                                                                                          < 1 ms

Target URL
https://cisco.service-now.com   Showing data from Mon, Jan 30 22:53 - 22:54 IST (11 minutes ago)   ◀ ▶ Latest→|

Map Table Waterfall

Details for all 5 agents

DOM Load Time   ▬▬▬ 6607 ms
Page Load   ▬▬▬ 6577 ms ⓘ
Time

Warnings from 1 agent

⊙ Data Pending
Page Load Time (ms)
0 ▬▬▬ 12000

Gaurao Pullewar
gashokpu

Cloud & Enterprise Agents ∨

Views
New Views Limited Availability
Test Settings
Agent Settings
BGP Monitors

Endpoint Agents >
Devices >
Internet Insights >

Dashboards
Alerts >
Sharing >
Account Settings >

I wish this page would...

ThousandEyes © 2023   Privacy

Instant Test
https://cisco.service-now.com

Agent
All agents ▾

Run Again   🖫 Save   ⤴ Share

☰ **Views**

WEB
Page Load
HTTP Server

NETWORK
Overview
Path Visualization

Target URL
https://cisco.service-now.com

Metric
Availability ▾

, 24h 7d 14d

■ Average Availability
100%

0%

Showing data from **Mon, Jan 30 22:53 - 22:54 IST** (11 minutes ago)

◂ ▸   Latest→∣

Map Table

Details for all 5 agents

Status by Phase

DNS ▬▬▬▬▬▬   Errors from 1 agent
Connect ▬▬▬▬▬▬▬
SSL ▬▬▬▬▬▬▬
Send ▬▬▬▬▬▬▬
Receive ▬▬▬▬▬▬▬
HTTP ▬▬▬▬▬▬▬

🔄
＋
－

4 Available
1 Unavailable

Path Visualization

1 hop   1 hop

Showing: **1 of 1 Test** ▾ **5 of 5 Agents** ▾ **1 of 1 Server** ▾ Hide IP Address labels ▾

Highlight nodes that match **all** / any

Search on Network, Country, IP address, Prefix, or Title...   🔍

Grouping: Agents by **Agent** ▾   Interfaces by **IP Address** ▾   Destinations by **Domain** ▾

Highlighting: **Forwarding Loss > 10 %** (0 nodes) ▾   **Link Delay > 100 ms** (2 links) ▾

Selecting: Click a node or link **Error (1)** ▾ **Info (2)** ▾

Johannesburg, Sou...southafricanorth)

8
6
6

10
15
11

Amsterdam, Netherlands

8
8

San Jose, CA (Verizon)

12
15

6

16
15

Singapore (AWS ap-southeast-1)

6
6

1   service-now.com

Bangalore, India – IPv6 (Bharti Airtel)