在Cisco ThousandEyes中配置測試

目錄

簡介

CiscoThousand Eyes

必要條件

需求

瞭解ThousandEyes。

Cisco ThousandEyes Demo或公司帳戶和訪問許可權來建立測試。

採用元件

本文中的資訊是根據特定實驗室環境內的裝置所建立。文中使用到的所有裝置皆從已清除（預設）的組態來啟動。如果您的網路運作中，請確保您瞭解任何指令可能造成的影響。

設定

組態

第1步：

登入Cisco ThousandEyes門戶。

按一下「Hamburger（漢堡）」圖示導航至選單。

第2步：

按一下 **Cloud and Enterprise Agents** 並選取 **Test Settings**.

Cloud & Enterprise Agents ∨

Views
New Views Limited Availability
Test Settings
Agent Settings
BGP Monitors

Endpoint Agents
Devices
Internet Insights

Dashboards
Alerts
Sharing
Account Settings

ThousandEyes Built-in ∨   Last 24 hours   ⊙ 📷 ⌄ + Add Widget ...

Alert List
1 hour

'No Alert Activity'

Agent Status
● Live status

No Enterprise Agents
Go to **Agent Settings** for instructions on deploying Enterprise Agents.

Tests
12 hours

Test Name	Test Type	Alert Status ↓	Trending (12h) / Current Values
https://cisco.service-now.com https://cisco.service-now.com	Web - Page Load	■	5278.67 ms / 80%
cisco.com https://www.cisco.com	Web - Page Load	■	1947.2 ms / 100%
eFeedLink Recursive Resolver 🔗 partner.outlook.cn	DNS Server		98.28% / 21 ms
Baidu Recursive Resolver 🔗 partner.outlook.cn	DNS Server		96.55% / 142 ms

Show 10 ▾   1-4 of 4   ‹ ›

I wish this page would...

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Cloud & Enterprise Agents ∨

Views
New Views Limited Availability
Test Settings
Agent Settings
BGP Monitors

Endpoint Agents
Devices
Internet Insights

Dashboards
Alerts
Sharing
Account Settings

Tests   Test Labels   Credentials Repository

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	✔	☑	...

I wish this page would...

https://app.thousandeyes.com/settings/tests/?

步驟3:

要建立新測試，請按一下 **Add New Test** 按鈕。

第4步:

轉到 **New Test** 區域,這裡有5種層型別:

1. 路由
2. 網路
3. DNS
4. Web
5. 語音

您可以選擇這些可用選項中的任意一個。

例如,可以選擇WEB層測試。

第5步:

對於WEB層,有4種型別的測試:

1. HTTP伺服器
2. 頁面載入
3. 交易
4. FTP伺服器

例如,您可以選擇Page Load測試。

第6步:

輸入測試名稱和說明欄位,如果未填寫測試名稱,則在輸入後將由目標URL自動填寫。

第7步:

移至 **Basic Configuration** 部分。

在此,您需要在URL欄位中新增目標URL。

選擇 Page Load Interval.預設值為1分鐘。可以將其設定為1小時。

在 Page Load Interval,選擇 **HTTP Server Interval**. 預設值為1分鐘。可以將其設定為1小時。

例如，選擇了5分鐘。

第8步：

選擇要用作這些測試的源的代理。為了最佳化平台利用率，您可以從所有雲代理中選擇5個代理。

例如，已選擇以下代理：

1. 班加羅爾
2. 新加坡
3. 聖何塞
4. 荷蘭阿姆斯特丹
5. 南非約翰內斯堡

第9步：

按一下覈取方塊以啟用警報。如果配置了任何自定義規則，則可以選擇這些規則。

填寫所有欄位後，按一下 Run Once 按鈕，它執行測試並在新頁籤中顯示結果。

如果結果令人滿意，請按一下**建立新測試**。

驗證

成功建立測試後，可以在 **Test Settings.**

按一下該測試，即可顯示其詳細資訊。

要檢視結果並在將來運行測試，可通過 View 選單。

這些影象顯示了執行後的測試結果：

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
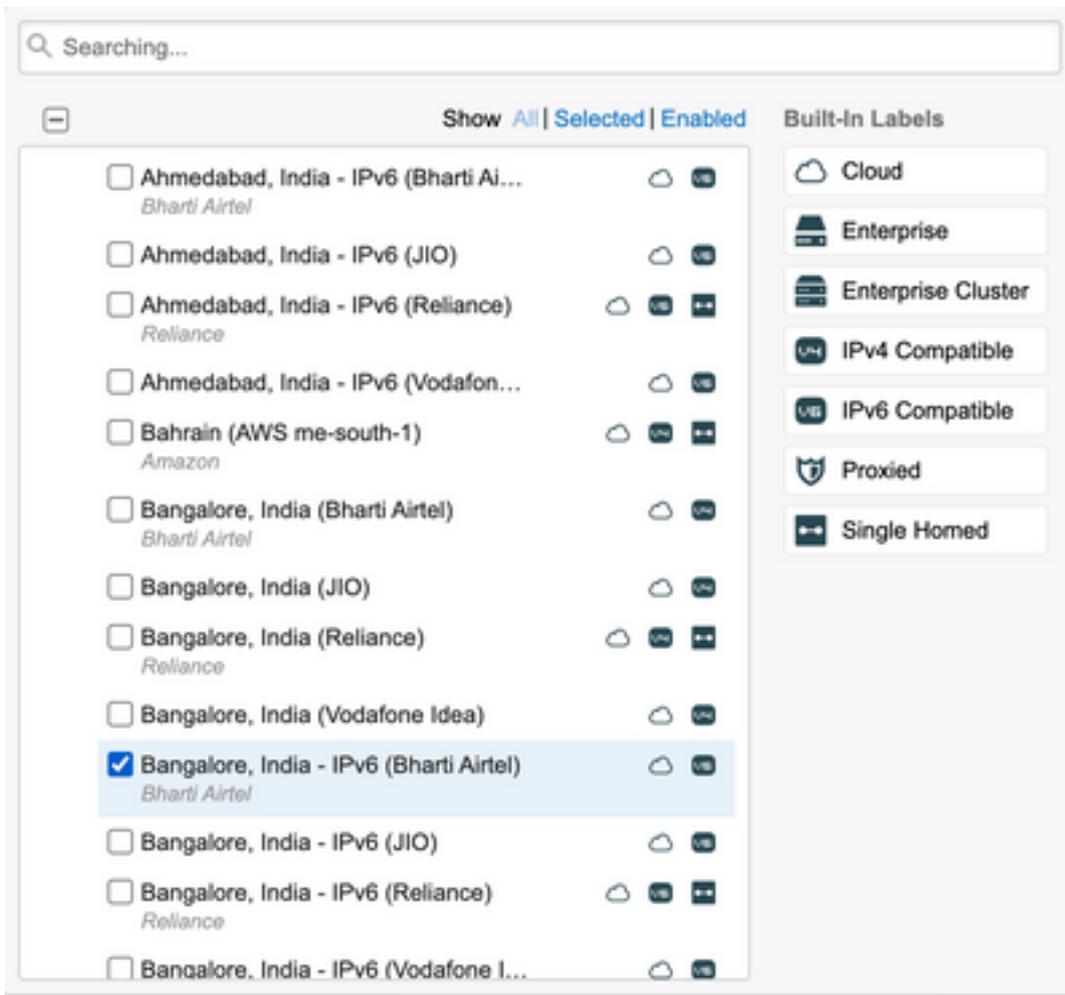
Schedule   **Default**   Round-robin

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 ›

Instant Test   Agent
https://cisco.service-now.com   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 Time   6577 ms ⓘ

Warnings from 1 agent

⊘ Data Pending
Page Load Time (ms)
0   12000

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I wish this page would...

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...

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

Agent
All agents ▾

Run Again   🖫 Save   ⬆ Share

☰ **Views**

Metric
Availability ▾

WEB
Page Load
HTTP Server

NETWORK
Overview
Path Visualization

24h 7d 14d

■ Average Availability
100%

0%

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

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

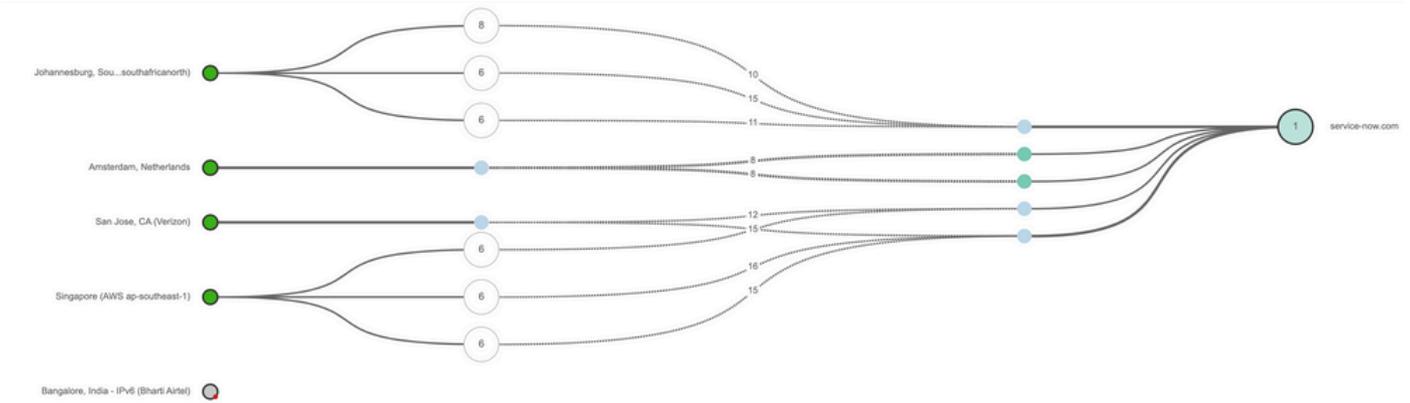Showing: **1 of 1 Test** ▾ **5 of 5 Agents** ▾ **1 of 1 Server** ▾ Hide IP Address labels ▾

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

Singapore (AWS ap-southeast-1)
16
15
6
6

Bangalore, India – IPv6 (Bharti Airtel)

1 service-now.com