

# 在Cisco ThousandEyes中配置測試

## 目錄

[簡介](#)

[必要條件](#)

[需求](#)

[採用元件](#)

[設定](#)

[組態](#)

[驗證](#)

## 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。

**ThousandEyes**

Email

Password

Keep me logged in

**Log In**

[Single sign-on](#)   [Forgot password?](#)

[Create free account](#)

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Chat with Support

**Dashboards**

- Cloud & Enterprise Agents >
- 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
<a href="https://cisco.service-now.com">https://cisco.service-now.com</a> <a href="https://cisco.service-now.com">https://cisco.service-now.com</a>	Web - Page Load	●	5278.67 ms 80%
<a href="https://www.cisco.com">cisco.com</a> <a href="https://www.cisco.com">https://www.cisco.com</a>	Web - Page Load	●	1947.2 ms 100%
<a href="#">eFeedLink Recursive Resolver</a> <a href="#">partner.outlook.cn</a>	DNS Server	●	98.25% 21 ms
<a href="#">Baidu Recursive Resolver</a> <a href="#">partner.outlook.cn</a>	DNS Server	●	96.55% 142 ms

Show 10   1-4 of 4

I wish this page would...  
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第2步：

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

The screenshot shows the ThousandEyes Built-in dashboard. The top navigation bar includes a menu icon, the ThousandEyes logo, and the text "Dashboards". On the right, there are notification icons for 138 alerts, a help icon, and a user profile for "Gaurao Pullawar gashokpu".

The left sidebar contains the following menu items: "Cloud & Enterprise Agents" (highlighted), "Views", "New Views" (with a "Limited Availability" badge), "Test Settings", "Agent Settings", "BGP Monitors", "Endpoint Agents", "Devices", "Internet Insights", "Dashboards", "Alerts", "Sharing", and "Account Settings".

The main content area is titled "ThousandEyes Built-in" and includes a "Last 24 hours" filter and an "Add Widget" button. It is divided into three sections:

- Alert List:** Shows "1 hour" and "No Alert Activity".
- Agent Status:** Shows "Live status" and "No Enterprise Agents". A message says "Go to Agent Settings for instructions on deploying Enterprise Agents."
- Tests:** Shows "12 hours" and a table of test results with corresponding line graphs.

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

At the bottom of the Tests section, there is a "Show 10" dropdown and "1-4 of 4" pagination controls.

The screenshot shows the "Test Settings" page in the ThousandEyes Cloud & Enterprise Agents interface. The top navigation bar includes the ThousandEyes logo, "Cloud & Enterprise Agents", and "Test Settings". On the right, there are notification icons for 138 alerts, a help icon, and a user profile for "Gaurao Pullawar gashokpu".

The left sidebar contains the following menu items: "Cloud & Enterprise Agents" (highlighted), "Views", "New Views" (with a "Limited Availability" badge), "Test Settings" (highlighted), "Agent Settings", "BGP Monitors", "Endpoint Agents", "Devices", "Internet Insights", "Dashboards", "Alerts", "Sharing", and "Account Settings".

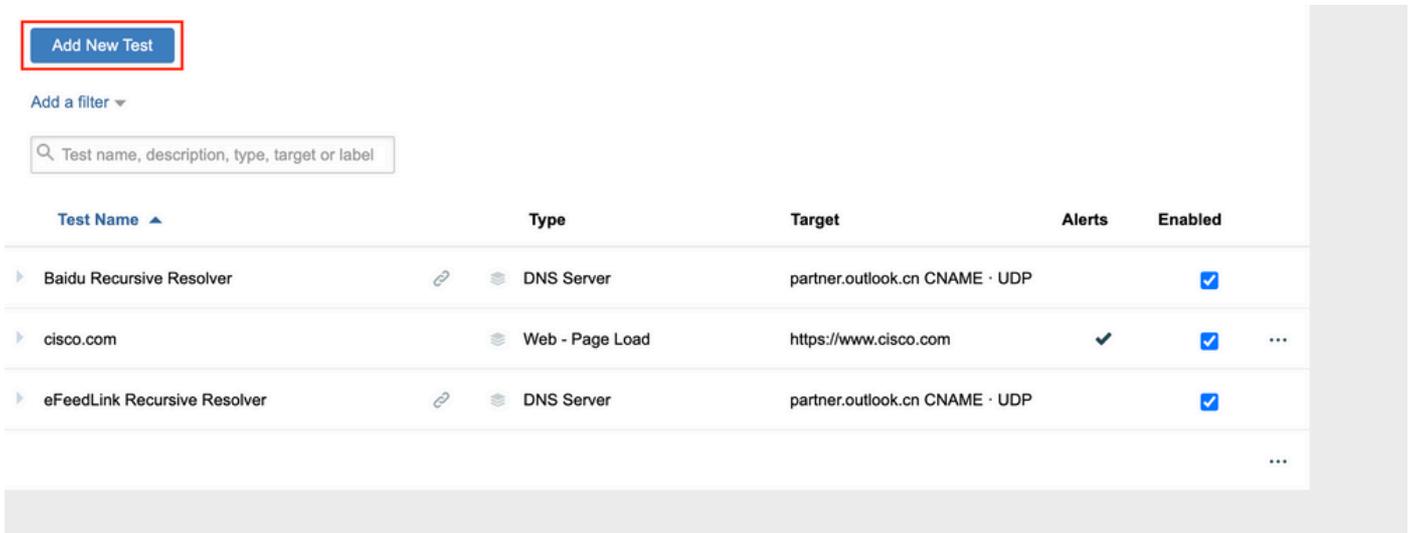
The main content area is titled "Tests" and includes tabs for "Test Labels" and "Credentials Repository". It features an "Add New Test" button and a search filter: "Add a filter" with a search box containing "Test name, description, type, target or label".

Test Name	Type	Target	Alerts	Enabled
Baidu Recursive Resolver	DNS Server	partner.outlook.cn CNAME - UDP	Green	Checked
cisco.com	Web - Page Load	https://www.cisco.com	Green	Checked
eFeedLink Recursive Resolver	DNS Server	partner.outlook.cn CNAME - UDP	Green	Checked
https://cisco.service-now.com	Web - Page Load	https://cisco.service-now.com	Green	Checked

At the bottom of the page, there is a URL: <https://app.thousandeyes.com/settings/tests/>

步驟3:

要建立新測試，請按一下 **Add New Test** 按鈕。



The screenshot shows a web interface for managing tests. At the top left, there is a blue button labeled "Add New Test" with a red border. Below it is a filter section with the text "Add a filter" and a search input field containing the placeholder text "Test name, description, type, target or label". The main part of the interface is a table with the following columns: "Test Name", "Type", "Target", "Alerts", and "Enabled".

Test Name	Type	Target	Alerts	Enabled
Baidu Recursive Resolver	DNS Server	partner.outlook.cn CNAME - UDP		<input checked="" type="checkbox"/>
cisco.com	Web - Page Load	https://www.cisco.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> ...
eFeedLink Recursive Resolver	DNS Server	partner.outlook.cn CNAME - UDP		<input checked="" type="checkbox"/> ...

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

**Add New Test**

**New Test**

Layer: Routing, Network, DNS, **Web**, Voice

Test Type: HTTP Server, **Page Load**, Transaction, FTP Server

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

Test Description: page load

**Views Enabled for This Test**

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

**Projected Usage**

1%

**Basic Configuration** | Advanced Settings

URL: cisco.service-now.com

Schedule: Default, Round-robin

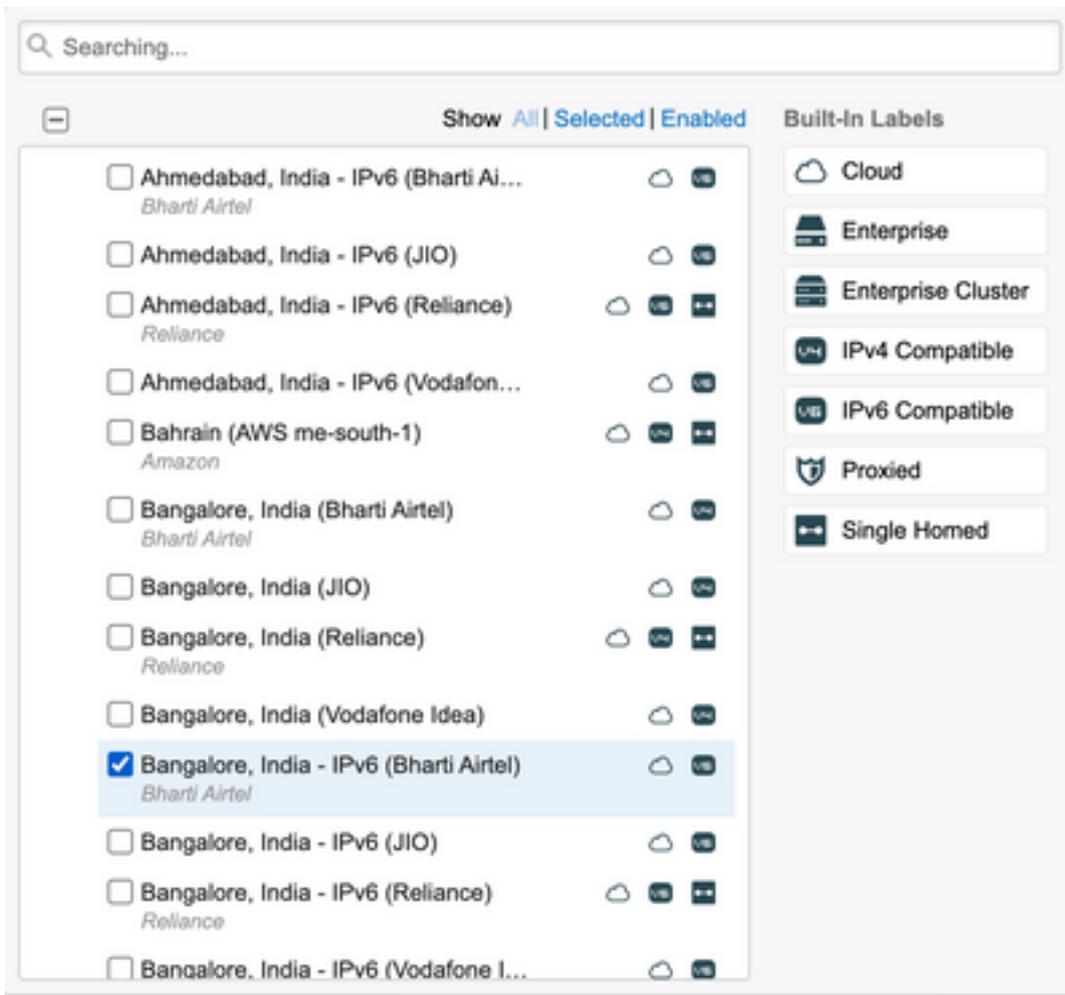
Page Load Interval: 5 minutes

HTTP Server Interval: 5 minutes

Agents: 5 of 701 selected

Alerts:  Enable, 4 of 5 alert rules selected, [Edit Alert Rules](#)

Cancel Run Once **Create New Test**



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**。

Tests Test Labels Credentials Repository

Add New Test

**New Test**

Layer Routing Network DNS Web Voice

Test Type HTTP Server Page Load Transaction FTP Server

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

Test Description page load 

**Views Enabled for This Test**

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

**Basic Configuration** Advanced Settings

URL cisco.service-now.com

Schedule Default Round-robin

Page Load Interval 1 minute

HTTP Server Interval 1 minute

Agents Select agent(s)

Alerts  Enable

4 of 5 alert rules selected [Edit Alert Rules](#)

Cancel Run Once Create New Test

## 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		<input checked="" type="checkbox"/>
cisco.com	Web - Page Load	https://www.cisco.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
eFeedLink Recursive Resolver	DNS Server	partner.outlook.cn CNAME · UDP		<input checked="" type="checkbox"/>
https://cisco.service-now.com	Web - Page Load	https://cisco.service-now.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

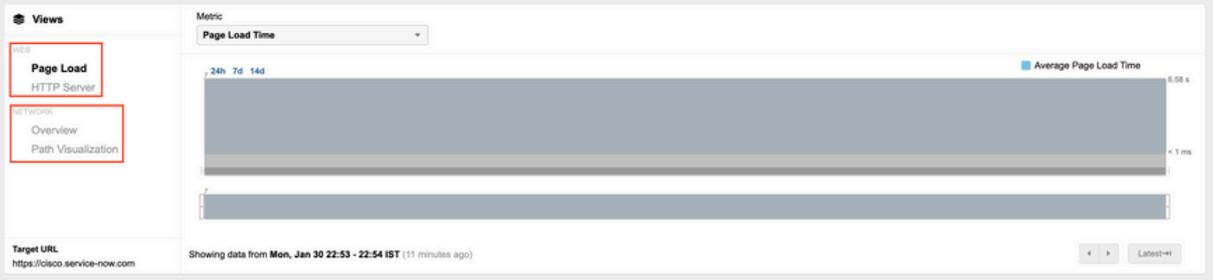
Sharing: [Share with other customers](#)  
Created: By Gaurao Pullawar  
Just now

Views Enabled for This Test

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

- Cloud & Enterprise Agents
- Views
- New Views Limited Availability
- Test Settings
- Agent Settings
- BGP Monitors
- Endpoint Agents
- Devices
- Internet Insights
- Dashboards
- Alerts
- Sharing
- Account Settings

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



Cloud & Enterprise Agents > Views

Instant Test **Agent**  
 https://cisco.service-now.com All agents

Run Again Save Share

Metric: Availability

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)

Map Table

Details for all 5 agents

Status by Phase

- DNS
- Connect
- SSL
- Send
- Receive
- HTTP

Errors from 1 agent

Legend: Available (Green), Unavailable (Red)

**Path Visualization** 1 hop 1 hop

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

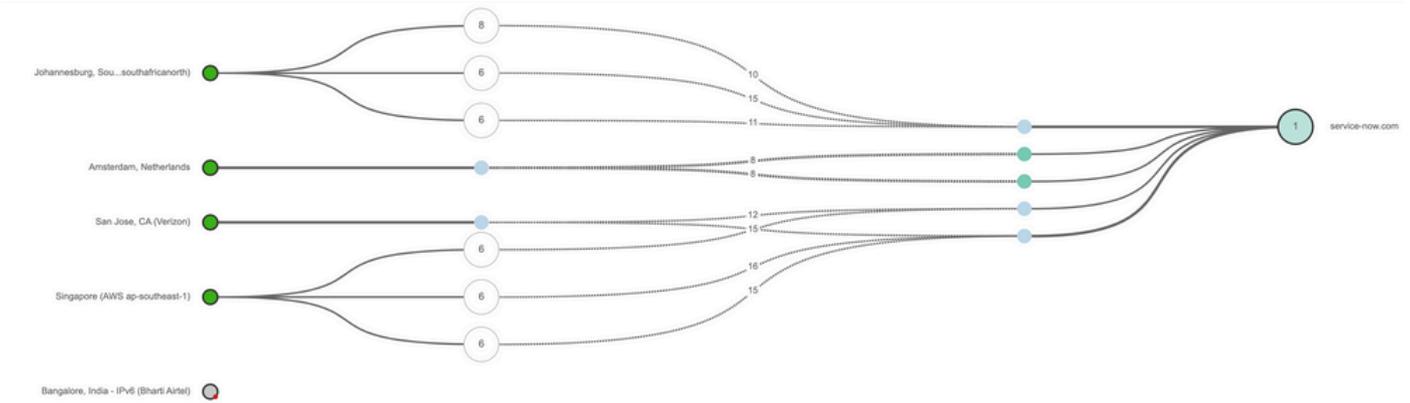
Grouping: Agents by Agent Interfaces by IP Address Destinations by Domain

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

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

Highlight nodes that match all / any

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



## 關於此翻譯

思科已使用電腦和人工技術翻譯本文件，讓全世界的使用者能夠以自己的語言理解支援內容。請注意，即使是最佳機器翻譯，也不如專業譯者翻譯的內容準確。Cisco Systems, Inc. 對這些翻譯的準確度概不負責，並建議一律查看原始英文文件（提供連結）。