

通過零接觸MDM在Android上部署具有保護傘保護的安全客戶端

目錄

簡介

本文檔介紹如何使用零接觸部署在Android裝置上使用Umbrella模組部署Cisco Secure Client。

背景資訊

您可以通過MDM解決方案（如Workspace One、Cisco Meraki或Microsoft Intune）使用零接觸部署在Android裝置上使用Umbrella模組部署Cisco Secure Client。此過程為應用和瀏覽器流量啟用無縫DNS層保護，確保啟用永遠線上VPN，並消除使用者對VPN和SEULA接受的干預。

必要條件

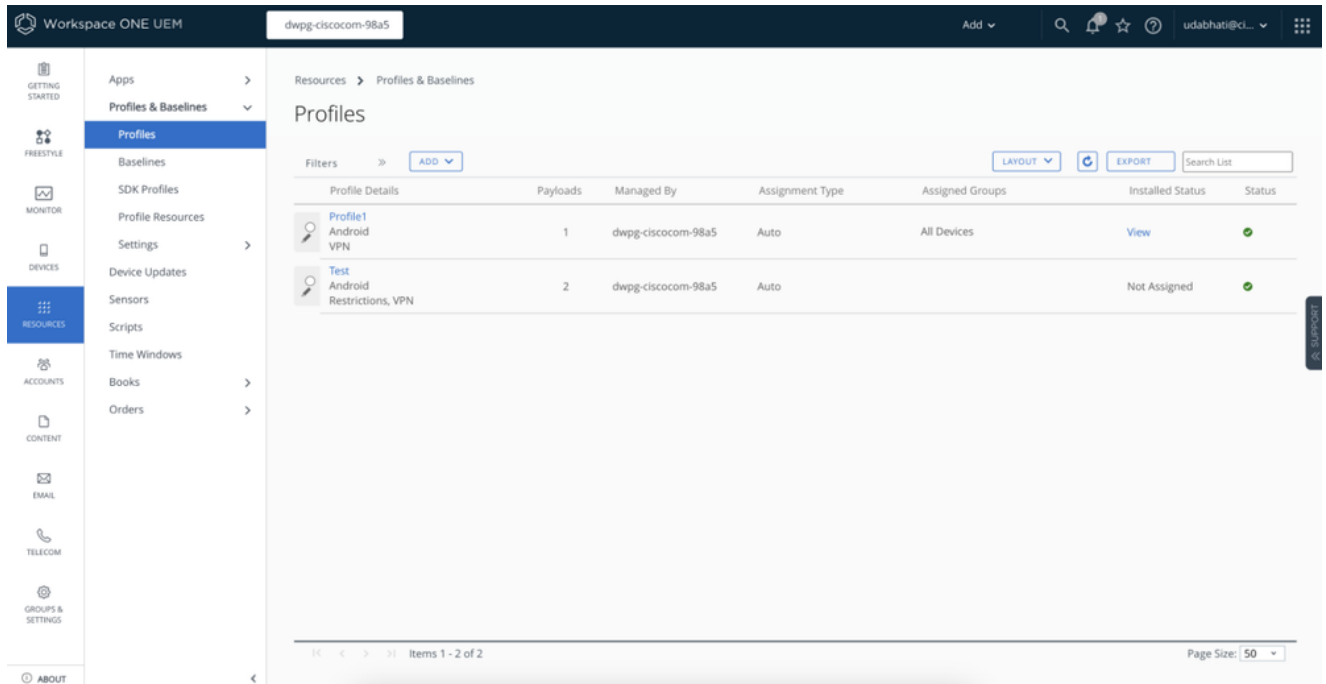
- 通過建立工作配置檔案，完成Android企業移動管理(EMM)註冊和裝置註冊。
- MDM應用（中心）必須在工作配置檔案下可見。
- 僅在發佈和將Always On VPN配置檔案安裝到Intelligent Hub之後分配和安裝Cisco Secure Client。

部署步驟

A. 建立Always On VPN配置檔案

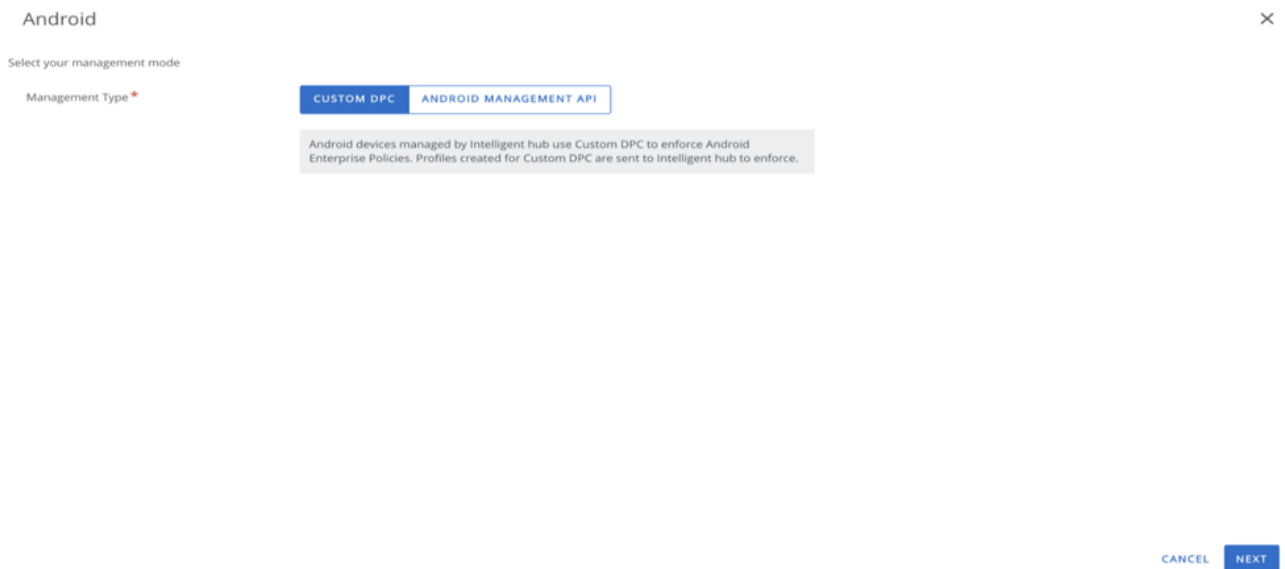
1. 導航至配置檔案：

- 轉至資源>概要檔案和基線>概要檔案。
- 按一下「新增」(Add)建立新配置檔案。



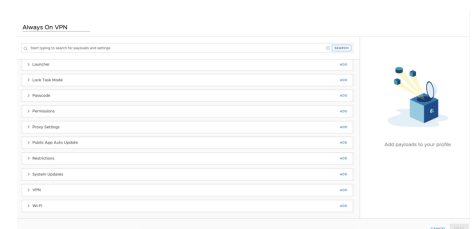
2. 配置檔案設定：

- 選擇Android作為平台。
- 選擇requiredManagement Type。



3. 配置VPN設定：

- 在profile部分中，轉至VPN Settings，然後按一下Add。
- 填寫必填欄位：
 - 連線型別: Cisco AnyConnect



- 伺服器：cisco://local
- 啟用Always On VPN並根據需要配置其他屬性。
- EnablePer-App VPN規則。
- EnableSet Active。
- 按一下「下一步」。

Always On VPN

Start typing to search for payloads and settings

VPN + ADD

Connection Info

Connection Type * Cisco AnyConnect

Connection Name * VPN Configuration

Server * cisco://local

Always On VPN ☒

Lockdown ☐

Set Active ☒

Per-App VPN Rules ☒

Protocol SSL

Username

Password

Summary

Payload	Status
VPN	Configured

CANCEL NEXT

4. 分配配置檔案：

- 將智慧組留空。
- 將配置檔案分配到必要的裝置。
- 選擇部署值。
- 按一下「儲存並發佈」(Save & Publish)。

Assignment

Smart Group

Allow Exclusion ☐

Deployment

Assignment Type Auto

Allow Removal Never

Managed By * dwpg-ciscocom-98a5

Install Only Area ☐

Schedule Install Time ☐

Per-App VPN Rules

Assignment Summary

Configuration

Total assigned 1

Devices added: 0

Devices removed: 0

Devices unchanged: 1

All assigned devices are estimated to receive assignment instructions by 12:35 PM.

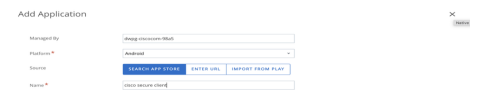
View devices list

CANCEL BACK SAVE & PUBLISH

B. 分配思科安全客戶端應用

1. 新增應用：

- 轉至Resources > Native > Public。



Add Application

Managed By: dwpg-ciscocom-98a5

Platform: Android

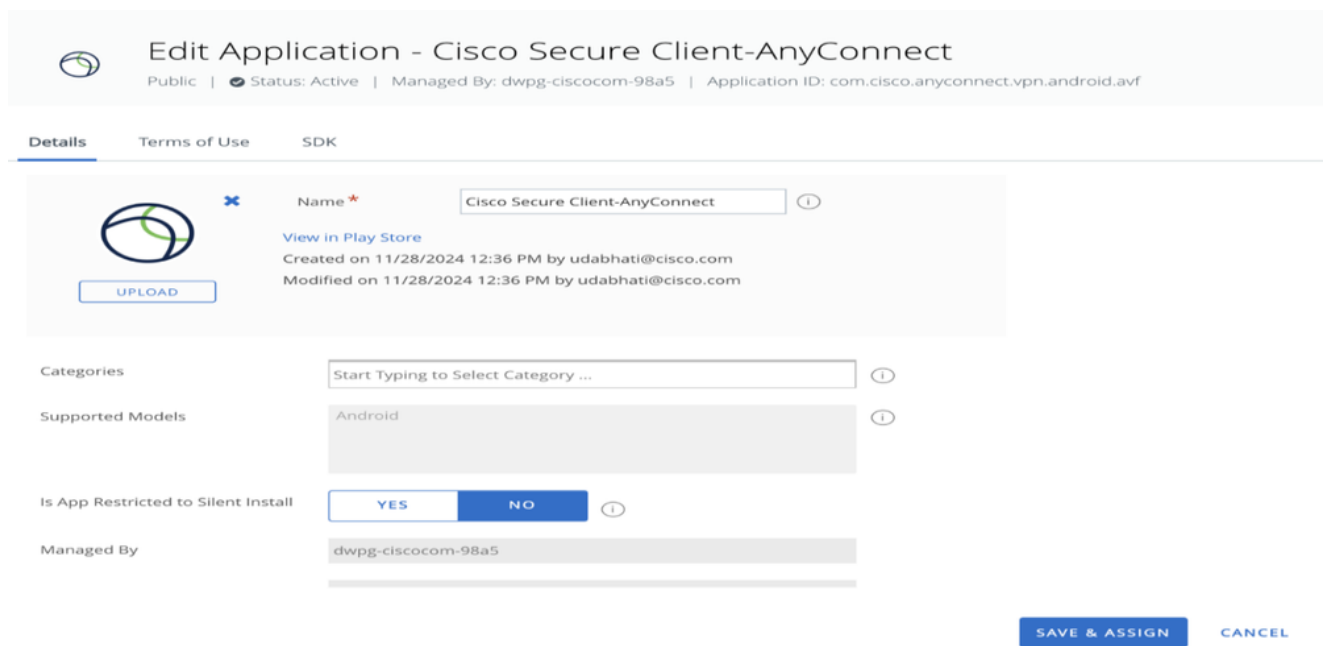
Source: [IMPORT FROM STORE](#) [ENTER URL](#) [IMPORT FROM PLAY](#)

Name: Cisco Secure Client

- 從Play Store新增Cisco安全客戶端（如果尚不可用）。

2. 應用程式分配：

- 選擇應用程式並填寫所需的值。
- 在assignment部分，建立新分配。



Edit Application - Cisco Secure Client-AnyConnect

Public | Status: Active | Managed By: dwpg-ciscocom-98a5 | Application ID: com.cisco.anyconnect.vpn.android.avf

Details Terms of Use SDK

 Name: Cisco Secure Client-AnyConnect

[View in Play Store](#)

Created on 11/28/2024 12:36 PM by udabhati@cisco.com

Modified on 11/28/2024 12:36 PM by udabhati@cisco.com

[UPLOAD](#)

Categories: Start Typing to Select Category ...

Supported Models: Android

Is App Restricted to Silent Install: YES NO

Managed By: dwpg-ciscocom-98a5

[SAVE & ASSIGN](#) [CANCEL](#)

3. 配置分發：

- 在Distribution部分輸入詳細資訊。

Cisco Secure Client-AnyConnect - Assignment

Distribution

Restrictions

Tunnel

Application Configuration

Components Profile Configuration

Distribution

Name * CSC

Description

Assignment Groups *

App Delivery Method *

Auto Update Priority

Pre-release Version

Assignment Description

To whom do you want to assign this app?

All Devices(dwpg-cisco.com-98a5) X

☒ Auto ☐ On Demand ⓘ

☐ Default ☒ High priority ☐ Postpone (90 days) ⓘ

None ▾ ⓘ

CANCEL CREATE

4. 啟用託管訪問：

- 在Restrictionstab中，enableManaged Access。

Cisco Secure Client-AnyConnect - Assignment

✓ Distribution

Restrictions

Tunnel

Application Configuration

Components Profile Configuration

Restrictions



EMM Managed Access

EMM managed access defines which devices will be able to install this app from Intelligent Hub.

If this setting is disabled, all registered devices will be able to install this app.

If this setting is enabled, only EMM managed devices will be able to install this app.

Managed Access ☒

CANCEL CREATE

5. 選擇配置檔案：

- 在Tunneloption中，在Android (自定義DPC) 下選擇以前建立的配置檔案(「Always On VPN」)。

The screenshot shows the 'Tunnel' configuration page in the Cisco Secure Client-AnyConnect interface. On the left is a sidebar with navigation options: Distribution, Restrictions, Tunnel (selected), Application Configuration, and Components Profile Configuration. The main content area is titled 'Tunnel' and contains a section for 'EMM Managed Access'. This section includes a description: 'EMM managed access defines which devices will be able to install this app from Intelligent Hub.' It also provides instructions: 'If this setting is disabled, all registered devices will be able to install this app.' and 'If this setting is enabled, only EMM managed devices will be able to install this app.' Below this is a toggle switch for 'Managed Access', which is currently turned on. At the bottom, there are two dropdown menus: 'Android Legacy' with 'Select a Profile...' and 'Android (Custom DPC)' with 'Always On VPN @ dwpg-ciscocom-98a5'. At the bottom right are 'CANCEL' and 'SAVE' buttons.

6. 應用程式配置：

- 從Umbrella控制面板下載的Android配置檔案輸入應用程式配置詳細資訊，如Org ID和

Managed Mobile Clients

To deploy Umbrella mobile coverage, download a configuration data file and use it to configure your MDM. For more information, see Umbrella's [iOS](#) and [Android](#) Help.

iOS Android

Android Configuration File

Common Configuration

Android Config

BACK

DONE

RegTokend。

- 啟用接受SEULA以使使用者繞過手動接受SEULA。
- 啟用始終在VPN模式以進行Umbrella保護，僅用於思科安全客戶端的無縫VPN管理。
- 阻止使用者建立新的VPN連線（將Host欄位留空）。

Distribution
Restrictions
Tunnel
Application Configuration
Components Profile Configuration

Application Configuration

EMM Managed Access

EMM managed access defines which devices will be able to install this app from Intelligent Hub.

If this setting is disabled, all registered devices will be able to install this app.

If this setting is enabled, only EMM managed devices will be able to install this app.

Managed Access ☒

① Application configuration through Managed Google Play can only be assigned to Android devices, any Android (Legacy) devices in this assignment will not receive this app if application configuration is enabled.

Send Configuration ☒ ①

Connection Name ①

Host ①

Protocol ①

CANCEL CREATE

7. 儲存並發佈：

- 儲存更改並發佈思科安全客戶端應用。

Cisco Secure Client-AnyConnect - Assignment
✕

Details
Platform : Android Status : Active

Assignments Exclusions

Devices will receive application based on the configurations below. Devices with multiple assignments will receive policies in priority order. Adjusting the priority for a single assignment will automatically reprioritize other assignments. Select the assignment to edit. Adding a new assignment will create a new rule at the bottom of the list.

ADD ASSIGNMENT

Priority	Assignment Name	Description	Smart Groups	App Delivery Method	EMM Managed Access
1	CSC		1	Auto	☒ Enabled

Page Size 5 Items 1 - 1 of 1

CANCEL SAVE

Cisco Secure Client-AnyConnect - Preview Assigned Devices

Assigned 1
Newly added 0
Newly removed 0
Unchanged 1

All assigned devices are estimated to receive assignment instructions by 4:50 PM.

ADDED (0)
REMOVED (0)
UNCHANGED (1)

Last Check In	Device Friendly Name	Username	Organization Group	Platform
No results found				

Manage Columns
Devices per page 20

CANCEL BACK PUBLISH

8. 推送Umbrella證書：

- 有關說明，請參閱：[將Umbrella證書推送到裝置](#)

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）。