

通过零接触MDM在Android上部署具有Umbrella保护的安全客户端

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简介

本文档介绍如何使用零接触部署在Android设备上部署带有Umbrella模块的Cisco Secure Client。

背景信息

您可以通过MDM解决方案（如Workspace One、Cisco Meraki或Microsoft Intune）使用零接触部署在Android设备上部署带有Umbrella模块的Cisco Secure Client。此过程可实现对应用和浏览器流量的无缝DNS层保护，确保启用永远在线VPN，并消除用户对VPN和SEULA接受的干预。

先决条件

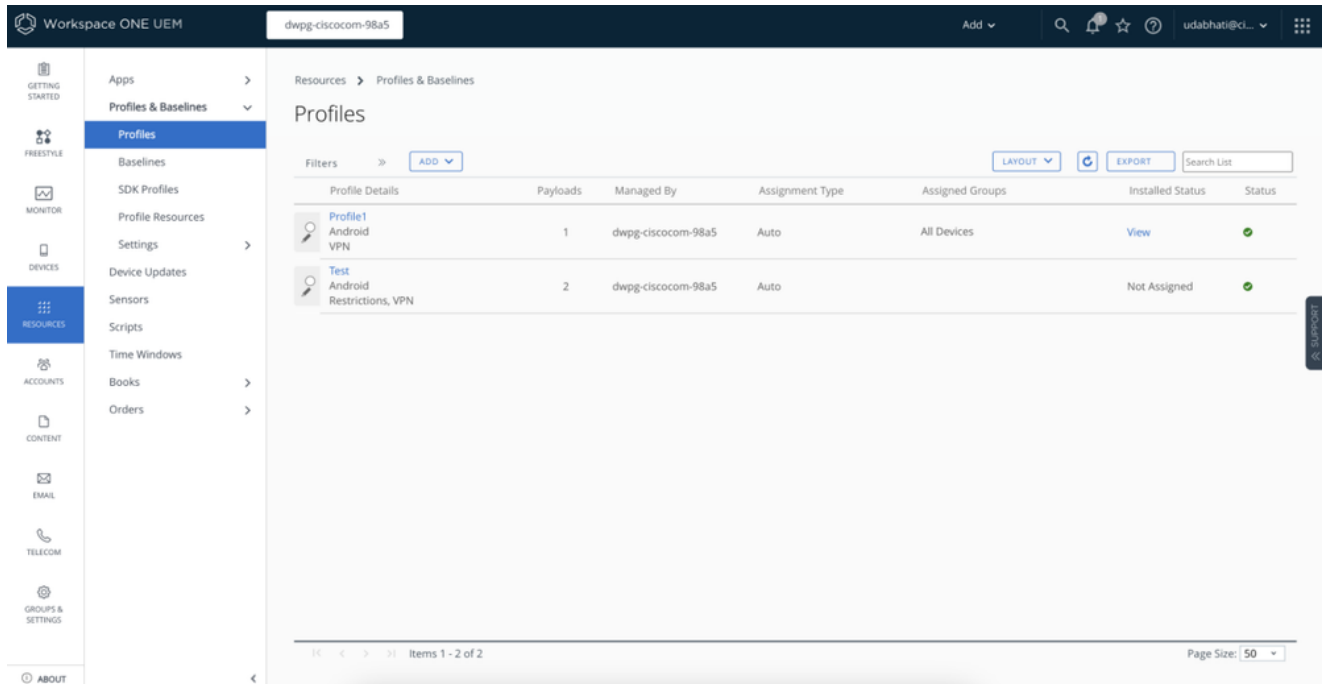
- 通过创建工作配置文件完成Android企业移动管理(EMM)注册和设备注册。
- MDM应用(Hub)必须在工作配置文件下可见。
- 仅在发布和安装Always On VPN配置文件到Intelligent Hub之后分配和安装Cisco Secure Client。

部署步骤

A. 创建Always On VPN配置文件

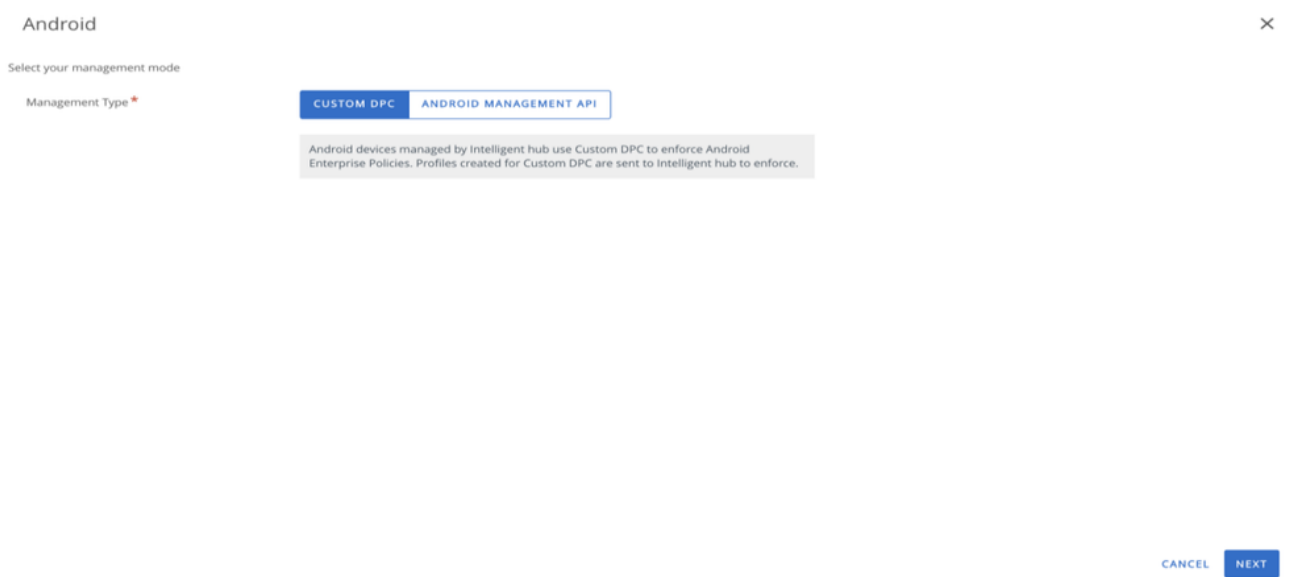
1. 导航至配置文件：

- 转至Resources > Profiles & Baselines > Profiles。
- 点击Add以创建新配置文件。



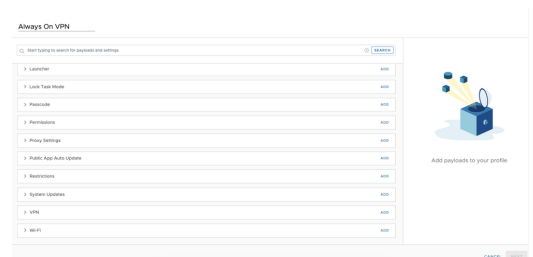
2. 配置文件设置：

- 选择Android作为平台。
- 选择requiredManagement Type。



3. 配置VPN设置：

- 在profile部分，转至VPN Settings，然后单击Add。
- 填写必填字段：
 - 连接类型: Cisco AnyConnect



- 服务器：cisco://local
- EnableAlways On VPN并根据需要配置其他属性。
- EnablePer-App VPN规则。
- EnableSet Active。
- 点击Next。

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. 分配配置文件：

- 将智能组留空。
- 将配置文件分配到必要的设备。
- 选择部署值。
- 点击保存并发布。

Assignment

Smart Group

All Devices X

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. 分配思科安全客户端应用

1. 添加应用：

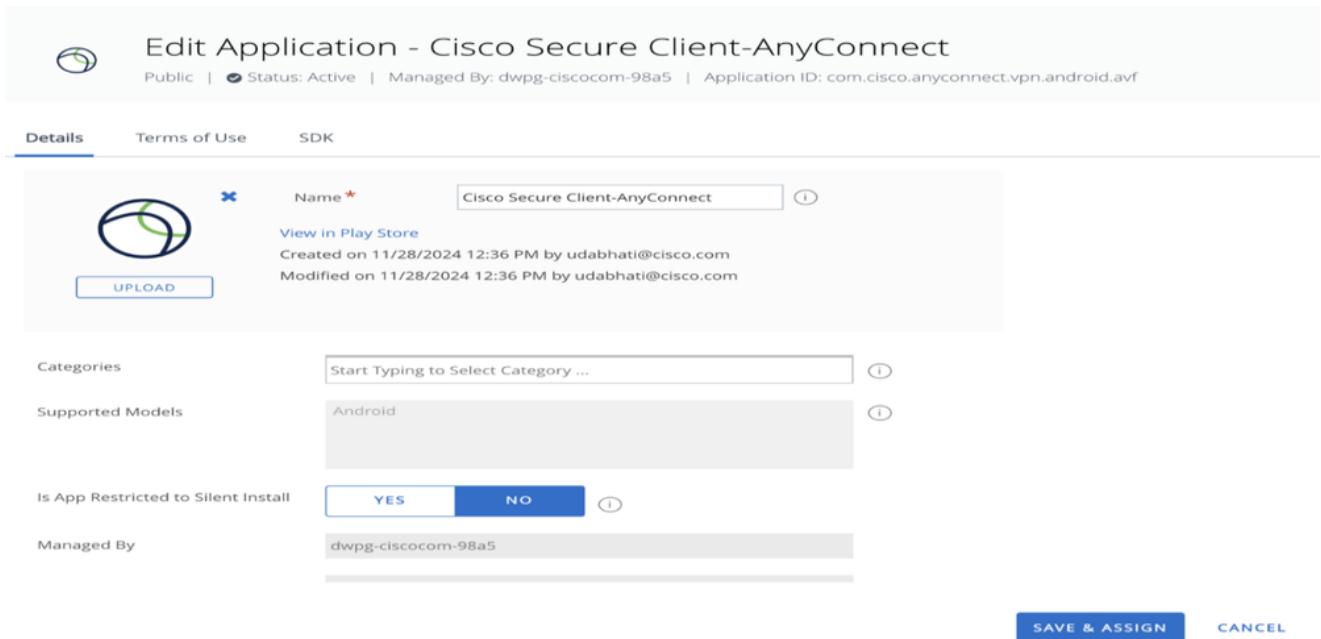
- 转至Resources > Native > Public。

A form titled "Add Application" with fields for "Managed By" (containing "dwpg-ciscocom-98a5"), "Platform" (a dropdown menu with "Android" selected), "Source" (a dropdown menu with "INTERNAL APK (AVF)" selected), and "Name" (containing "Cisco Secure Client"). There are buttons for "ENTER URL", "APPROVE FROM PLAY", and "Cancel".

- 从Play Store添加Cisco Secure Client (如果尚不可用) 。

2. 应用分配：

- 选择应用并填写所需的值。
- 在“作业”部分中，创建新作业。

A screenshot of the "Edit Application - Cisco Secure Client-AnyConnect" page. The page header shows "Public | Status: Active | Managed By: dwpg-ciscocom-98a5 | Application ID: com.cisco.anyconnect.vpn.android.avf". The "Details" tab is active. The form includes a "Name" field with "Cisco Secure Client-AnyConnect", a "View in Play Store" link, and creation/modification timestamps. Below are sections for "Categories" (with a search bar), "Supported Models" (with "Android" selected), "Is App Restricted to Silent Install" (with "YES" and "NO" buttons), and "Managed By" (with "dwpg-ciscocom-98a5" selected). At the bottom right are "SAVE & ASSIGN" and "CANCEL" buttons.

3. 配置分布：

- 在Distribution部分输入详细信息。

Cisco Secure Client-AnyConnect - Assignment

Distribution

Restrictions

Tunnel

Application Configuration

Components Profile Configuration

Distribution

Name * CSC

Description

Assignment Groups *

To whom do you want to assign this app?

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

App Delivery Method *

Auto On Demand

Auto Update Priority

Default High priority Postpone (90 days)

Pre-release Version

None

CANCEL CREATE

4. 启用托管访问：

- 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. 选择配置文件：

- 在Tunneloption中，选择Android（自定义DPC）下先前创建的配置文件（“始终在VPN上”）。

Cisco Secure Client-AnyConnect - Assignment

Distribution
Restrictions
Tunnel
Application Configuration
Components Profile Configuration

Tunnel

Tunnel

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
☒

Android Legacy
Select a Profile...

Android (Custom DPC)
Always On VPN @ dwpg-ciscocom-98a5

CANCEL

SAVE

6. 应用配置：

- 输入应用配置详细信息，例如Org ID和RegTokenfrom the Android Config File

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](#)

downloaded from the Umbrella Dashboard。

- EnableAccept SEULA for Users以绕过手动SEULA接受。
- EnableAlways On VPN Mode for Umbrella Protection Only for seamless VPN management by Cisco Secure Client。
- 阻止用户创建新的VPN连接（将Host字段留空）。

Cisco Secure Client-AnyConnect - Assignment

Distribution
Restrictions
Tunnel
Application Configuration
Components Profile Configuration

Application 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
☒

Connection Name
Host
Protocol

Select

CANCEL

CREATE

7. 保存并发布：

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 reoptimize other assignments. Select the assignment to edit. Adding a new assignment will create a new row at the bottom of the list.

Add Assignment

Priority	Assignment Name	Description	Smart Groups	App Delivery Method	DM Managed Access
1	Cisco AnyConnect		1	Auto	Enabled

Page Size 5 Items 1-1 of 1

CANCEL SAVE

- 保存更改并发布Cisco Secure Client应用。

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证书：

- 有关说明，请参阅：[将Umbrella证书推送到设备](#)

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