Intune Configuration

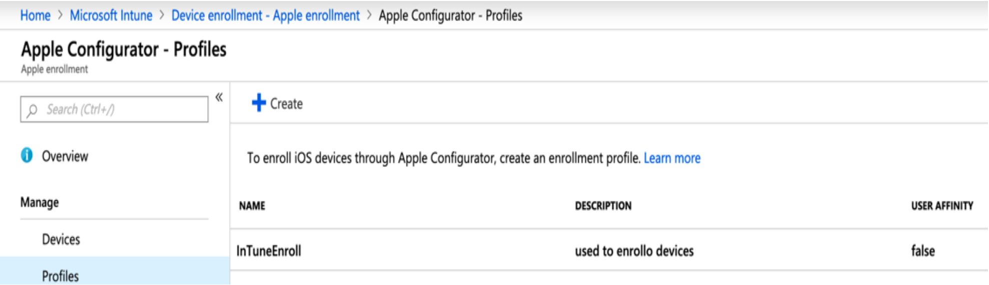
MS Intune:
To enroll iOS devices through Apple Configurator, create an Enrollment profile

The enrollment URL is needed when preparing and applying the blueprint (slide 7)

Microsoft Intune > Device Enrollment > Apple enrollment > Apple Configurator > Profiles

Create or view current Profile

Export current profile to view the enrollment URL



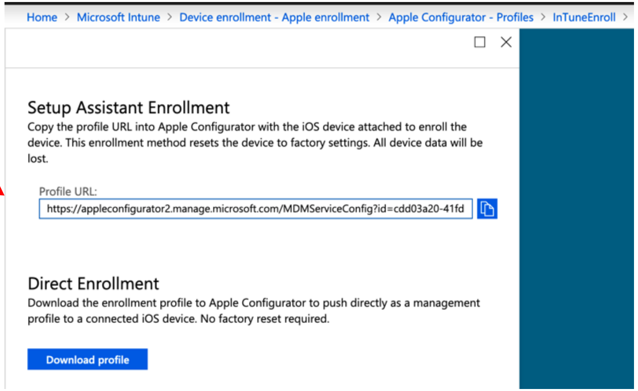
Home > Microsoft Intune > Device enrollment - Apple enrollment > Apple Configurator - Profiles

Apple Configurator - Profiles

Apple enrollment

To enroll iOS devices through Apple Configurator, create an enrollment profile. Learn more

NAME	DESCRIPTION	USER AFFINITY
InTuneEnroll	used to enrollo devices	false



Home > Microsoft Intune > Device enrollment - Apple enrollment > Apple Configurator - Profiles > InTuneEnroll >

Setup Assistant Enrollment

Copy the profile URL into Apple Configurator with the iOS device attached to enroll the device. This enrollment method resets the device to factory settings. All device data will be lost.

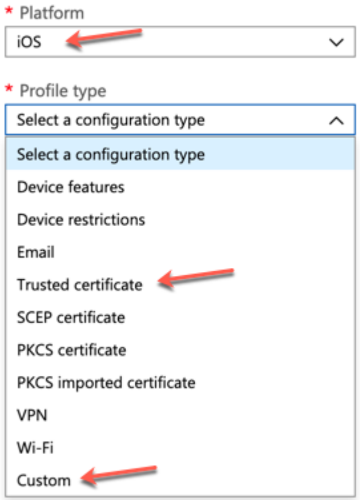
Profile URL:
https://appleconfigurator2.manage.microsoft.com/MDMServiceConfig?id=cdd03a20-41fd

Direct Enrollment

Download the enrollment profile to Apple Configurator to push directly as a management profile to a connected iOS device. No factory reset required.

MS Intune: Device Configuration > Profiles

Intune uses "configuration profiles" to create and customize settings



* Platform

iOS

* Profile type

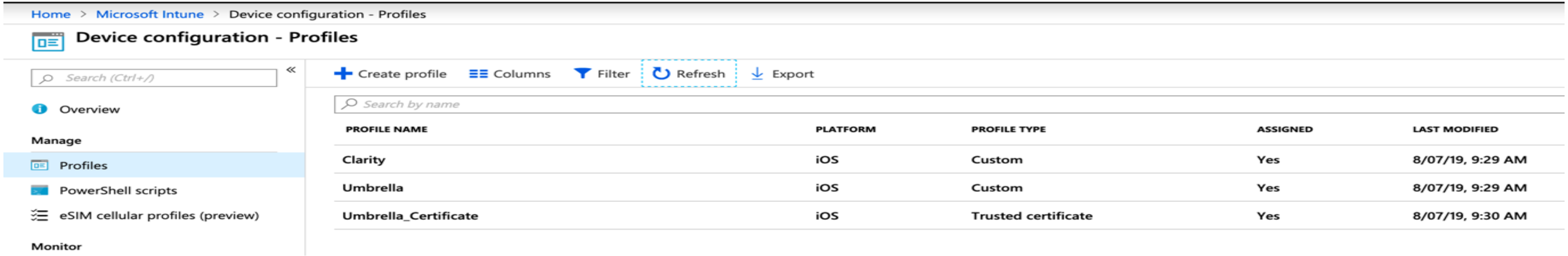
Select a configuration type

- Select a configuration type
- Device features
- Device restrictions
- Email
- Trusted certificate
- SCEP certificate
- PKCS certificate
- PKCS imported certificate
- VPN
- Wi-Fi
- Custom

Microsoft Intune > Device configuration > Profiles

End result for CSC deployment - 3 Profiles.

Two Custom Profiles - Clarity & Umbrella
One Trusted Certi*ficate Profile - Umbrella*



Home > Microsoft Intune > Device configuration - Profiles

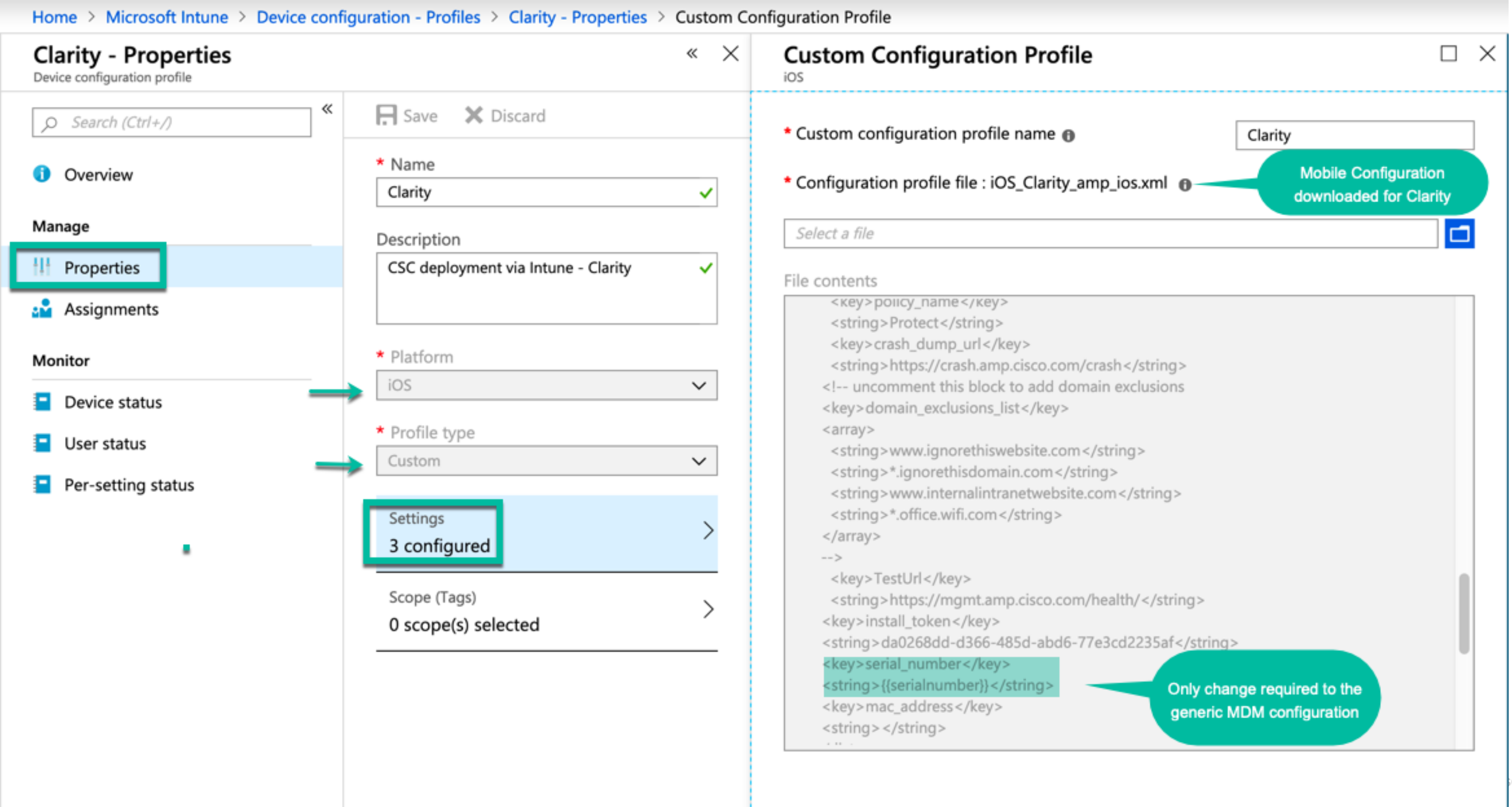
Device configuration - Profiles

PROFILE NAME	PLATFORM	PROFILE TYPE	ASSIGNED	LAST MODIFIED
Clarity	iOS	Custom	Yes	8/07/19, 9:29 AM
Umbrella	iOS	Custom	Yes	8/07/19, 9:29 AM
Umbrella_Certificate	iOS	Trusted certificate	Yes	8/07/19, 9:30 AM

MS Intune: Create a Custom Profile for Clarity

We will configure Clarity from the AMP for Endpoints dashboard next

End Result.



Home > Microsoft Intune > Device configuration - Profiles > Clarity - Properties > Custom Configuration Profile

Clarity - Properties

Device configuration profile

* Name: Clarity

Description: CSC deployment via Intune - Clarity

* Platform: iOS

* Profile type: Custom

Settings: 3 configured

Scope (Tags): 0 scope(s) selected

Custom Configuration Profile

iOS

* Custom configuration profile name: Clarity

* Configuration profile file : iOS_Clarity_amp_ios.xml

Mobile Configuration downloaded for Clarity

Select a file

File contents

```
  <key>policy_name</key>
  <string>Protect</string>
  <key>crash_dump_url</key>
  <string>https://crash.amp.cisco.com/crash</string>
<!-- uncomment this block to add domain exclusions
<key>domain_exclusions_list</key>
<array>
  <string>www.ignorethiswebsite.com</string>
  <string>*.ignorethisdomain.com</string>
  <string>www.internalintranetwebsite.com</string>
  <string>*.office.wifi.com</string>
</array>
-->
  <key>TestUrl</key>
  <string>https://mgmt.amp.cisco.com/health/</string>
<key>install_token</key>
<string>da0268dd-d366-485d-abd6-77e3cd2235af</string>
<key>serial_number</key>
<string>{{serialnumber}}</string>
<key>mac_address</key>
<string></string>
```

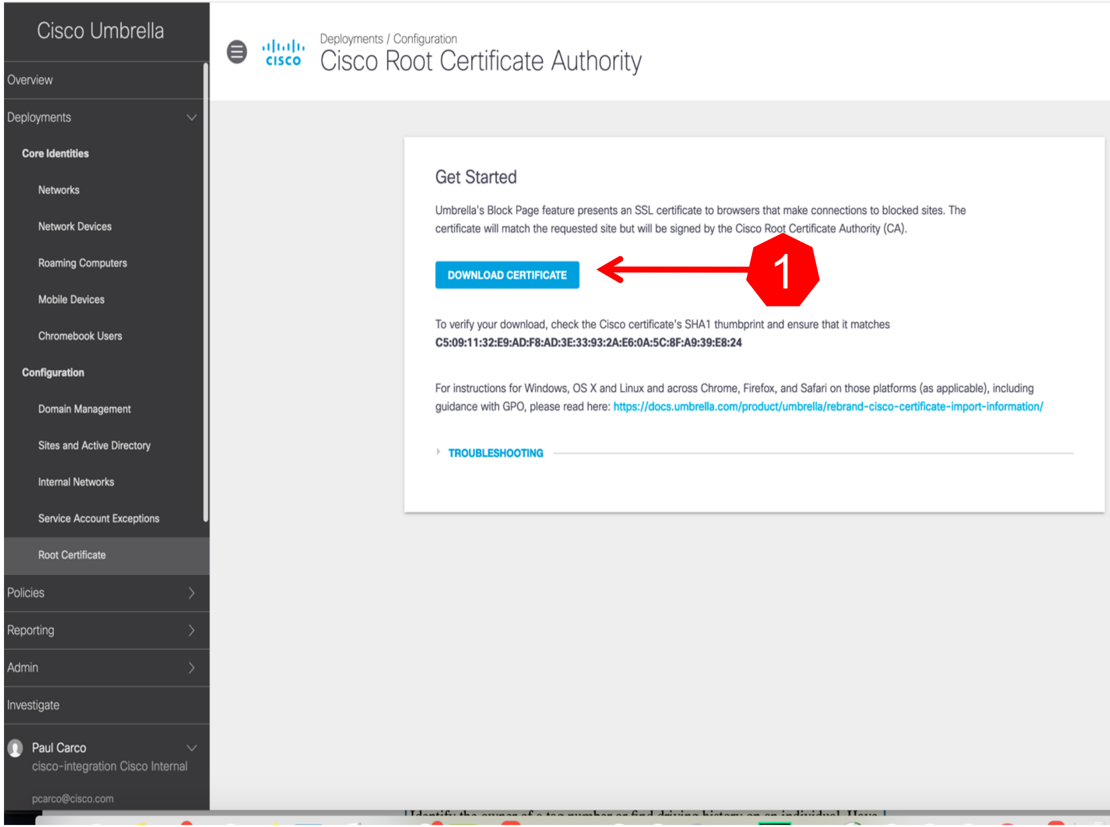
Only change required to the generic MDM configuration

Configuring Policy from the Umbrella Dashboard

Umbrella: Download the Umbrella Root Cert

Navigate to **Configuration > Root Certificate**

1. Click **Download Certificate**
2. Save the resulting .cer file



Cisco Root Certificate Authority

Get Started

Umbrella's Block Page feature presents an SSL certificate to browsers that make connections to blocked sites. The certificate will match the requested site but will be signed by the Cisco Root Certificate Authority (CA).

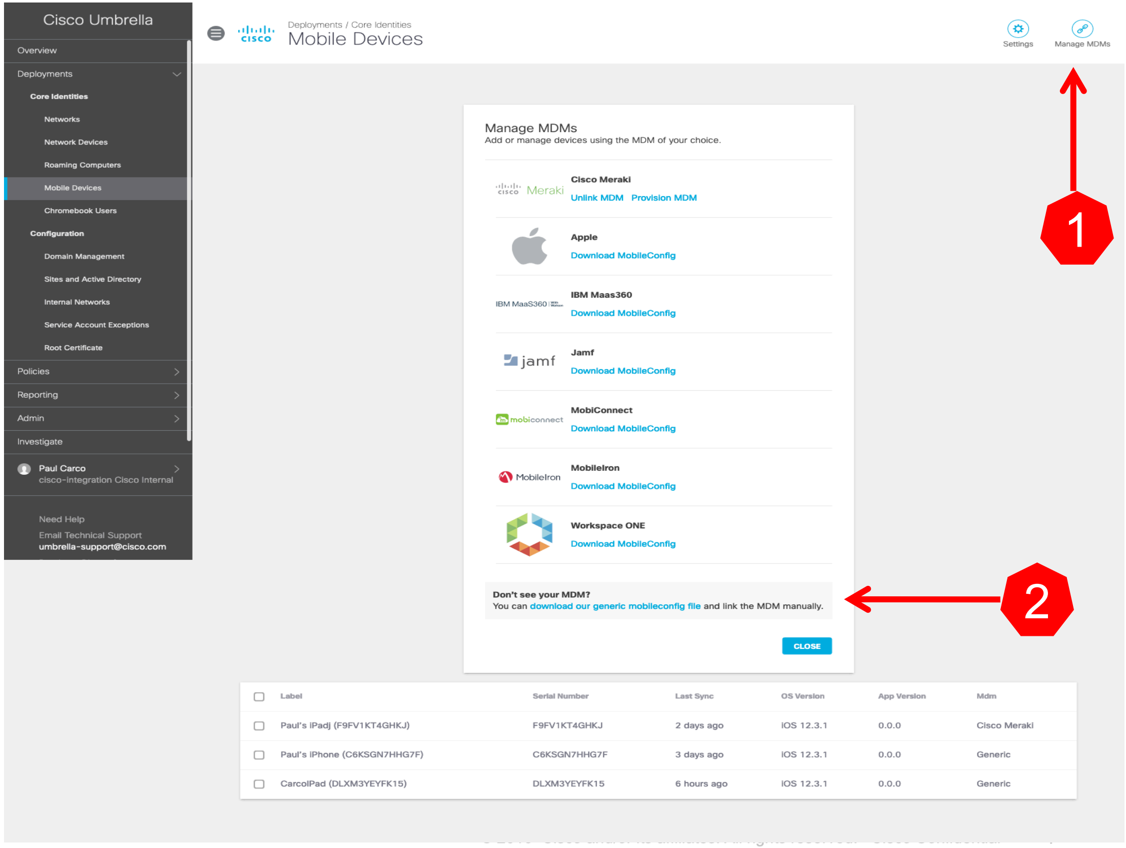
To verify your download, check the Cisco certificate's SHA1 thumbprint and ensure that it matches **C5:09:11:32:E9:AD:F8:AD:3E:33:93:2A:E6:0A:5C:8F:A9:39:E8:24**

For instructions for Windows, OS X and Linux and across Chrome, Firefox, and Safari on those platforms (as applicable), including guidance with GPO, please read here: https://docs.umbrella.com/product/umbrella/rebrand-cisco-certificate-import-information/

Umbrella: Download the .mobileconfig XML

Navigate to **Identities > Mobile Devices**

1. Click on Manage MDMs
2. Since Intune is not yet listed, click on **download our generic mobileconfig file** link
3. Save the resulting file for upload to Intune.



Manage MDMs
Add or manage devices using the MDM of your choice.

Cisco Meraki
Unlink MDM Provision MDM

Apple
Download MobileConfig

IBM Maas360
Download MobileConfig

Jamf
Download MobileConfig

MobiConnect
Download MobileConfig

MobileIron
Download MobileConfig

Workspace ONE
Download MobileConfig

Don't see your MDM?
You can download our generic mobileconfig file and link the MDM manually.

CLOSE

☐	Label	Serial Number	Last Sync	OS Version	App Version	Mdm
☐	Paul's iPadj (F9FV1KT4GHKJ)	F9FV1KT4GHKJ	2 days ago	iOS 12.3.1	0.0.0	Cisco Meraki
☐	Paul's iPhone (C6KSGN7HHG7F)	C6KSGN7HHG7F	3 days ago	iOS 12.3.1	0.0.0	Generic
☐	CarcoIPad (DLXM3YEYFK15)	DLXM3YEYFK15	6 hours ago	iOS 12.3.1	0.0.0	Generic

Umbrella Config Changes

- There is only 1 field in the configuration that must be modified before uploading to Intune.
  - The Serial Number

```
<key>serialNumber</key>
<string>{{serialnumber}}</string>
```

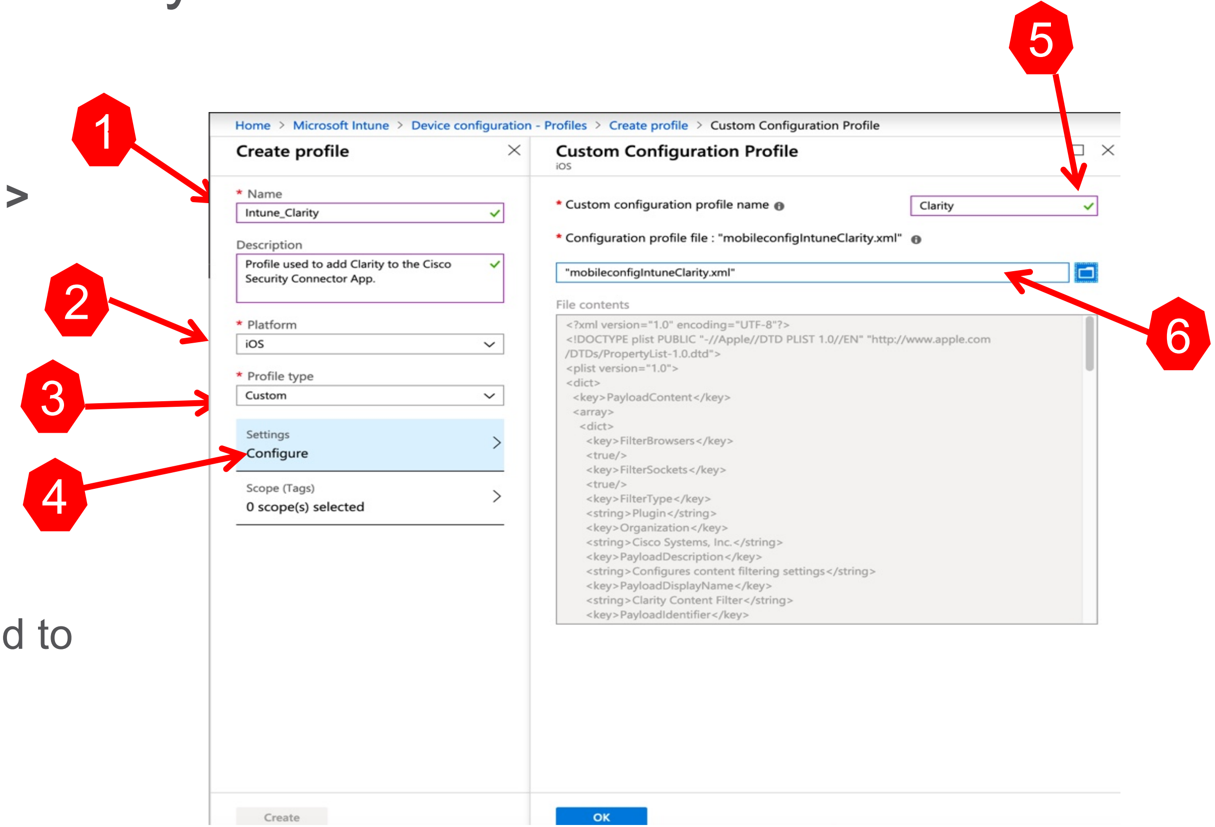
Microsoft Intune

Creating Custom Configuration Profiles for CSC Clarity & Umbrella

Intune : Create the Clarity Profile

Navigate to **Device Configuration > Profiles > Create**

1. Enter **Name**
2. Select **iOS**
3. Select **Custom**
4. Click **Configure**
5. Enter **Name** (presented to user.
6. Upload the profile (mobileconfig)


1
2
3
4
5
6
Home > Microsoft Intune > Device configuration - Profiles > Create profile > Custom Configuration Profile
Create profile
Custom Configuration Profile
iOS
Create
OK

Create profile

* Name
Intune_Clarity ✓

Description
Profile used to add Clarity to the Cisco Security Connector App. ✓

* Platform
iOS

* Profile type
Custom

Settings
Configure

Scope (Tags)
0 scope(s) selected

Custom Configuration Profile

* Custom configuration profile name: Clarity ✓

* Configuration profile file : "mobileconfigIntuneClarity.xml"

"mobileconfigIntuneClarity.xml"

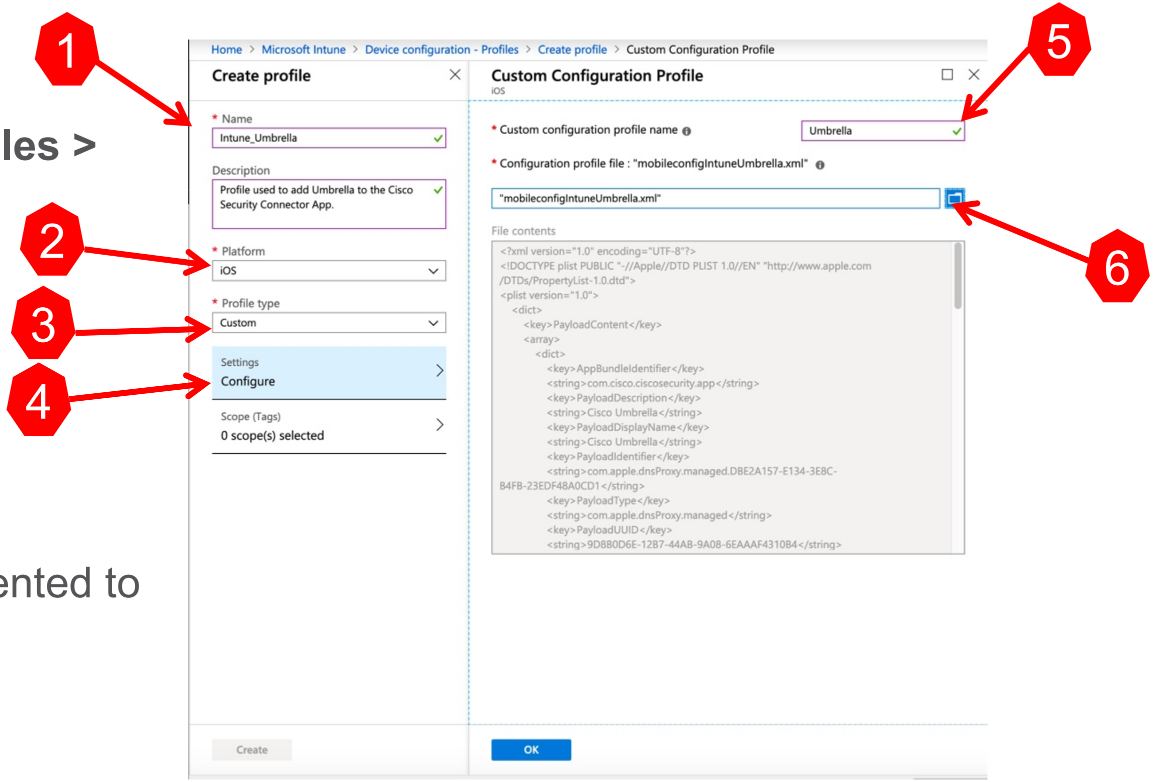
File contents

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com
/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
<dict>
 <key>PayloadContent</key>
 <array>
  <dict>
   <key>FilterBrowsers</key>
   <true/>
   <key>FilterSockets</key>
   <true/>
   <key>FilterType</key>
   <string>Plugin</string>
   <key>Organization</key>
   <string>Cisco Systems, Inc.</string>
   <key>PayloadDescription</key>
   <string>Configures content filtering settings</string>
   <key>PayloadDisplayName</key>
   <string>Clarity Content Filter</string>
   <key>PayloadIdentifier</key>
```

Intune : Create the Umbrella Profile

Navigate to **Device Configuration > Profiles > Create**

1. Enter **Name**
2. Select **iOS**
3. Select **Custom**
4. Click **Configure**
5. Enter **Name** (presented to user.
6. Upload the profile (mobileconfig)



Home > Microsoft Intune > Device configuration - Profiles > Create profile > Custom Configuration Profile

Create profile

* Name: Intune_Umbrella ✓

Description: Profile used to add Umbrella to the Cisco Security Connector App. ✓

* Platform: iOS

* Profile type: Custom

Settings: Configure

Scope (Tags): 0 scope(s) selected

Create

Custom Configuration Profile

iOS

* Custom configuration profile name: Umbrella ✓

* Configuration profile file : "mobileconfigIntuneUmbrella.xml"

"mobileconfigIntuneUmbrella.xml"

File contents

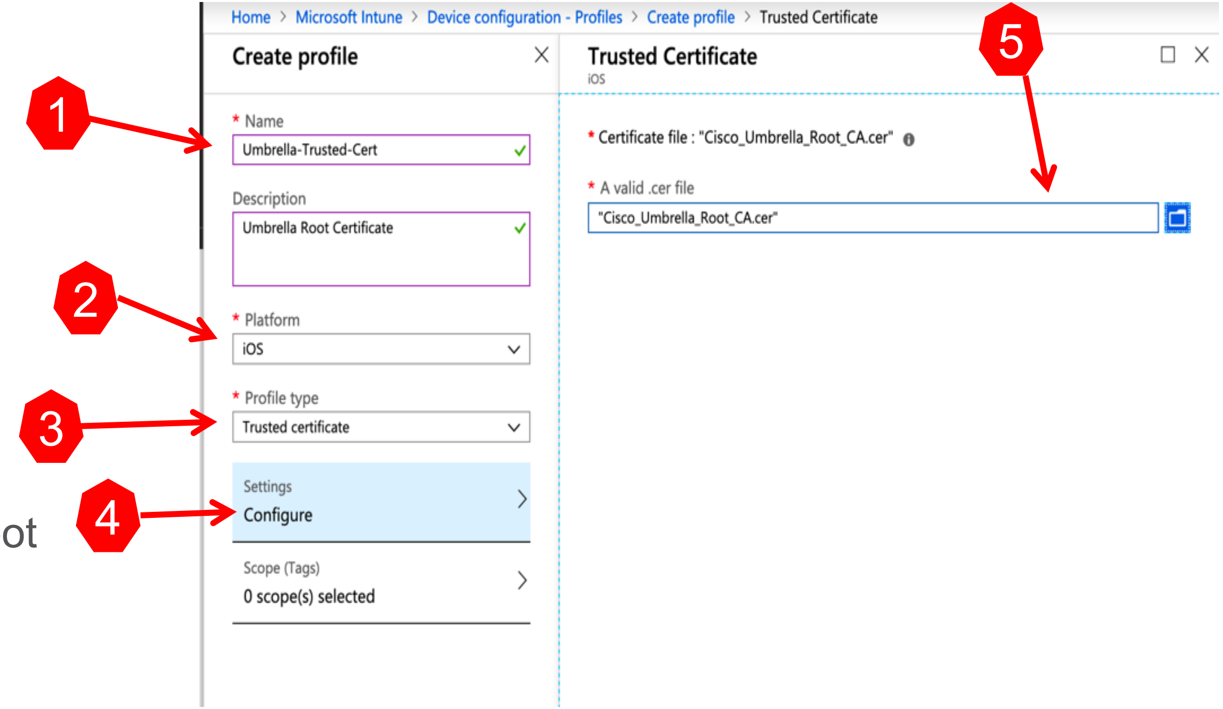
```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE plist PUBLIC "-//Apple//DTD PLIST 1.0//EN" "http://www.apple.com
/DTDs/PropertyList-1.0.dtd">
<plist version="1.0">
  <dict>
    <key>PayloadContent</key>
    <array>
      <dict>
        <key>AppBundleIdentifier</key>
        <string>com.cisco.ciscosecurity.app</string>
        <key>PayloadDescription</key>
        <string>Cisco Umbrella</string>
        <key>PayloadDisplayName</key>
        <string>Cisco Umbrella</string>
        <key>PayloadIdentifier</key>
        <string>com.apple.dnsProxy.managed.DBE2A157-E134-3E8C-
B4FB-23EDF48A0CD1</string>
        <key>PayloadType</key>
        <string>com.apple.dnsProxy.managed</string>
        <key>PayloadUUID</key>
        <string>9D8B0D6E-12B7-44AB-9A08-6EAAAF4310B4</string>
```

OK

Intune : Create the Trusted Certificte Profile - Umbrella

Navigate to **Device Configuration > Profiles > Create**

1. Enter **Name**
2. Select **iOS**
3. Select **Trusted Certificate**
4. Click **Configure**
5. Select and upload the root certificate



Home > Microsoft Intune > Device configuration - Profiles > Create profile > Trusted Certificate

Create profile

* Name: Umbrella-Trusted-Cert

Description: Umbrella Root Certificate

* Platform: iOS

* Profile type: Trusted certificate

Settings: Configure

Scope (Tags): 0 scope(s) selected

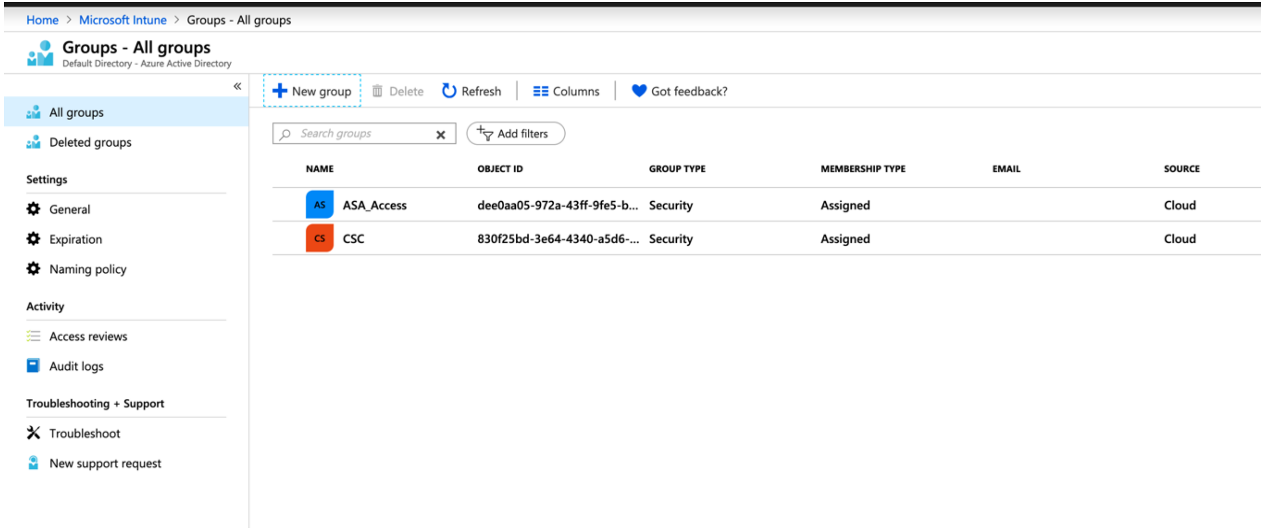
Trusted Certificate

iOS

* Certificate file : "Cisco_Umbrella_Root_CA.cer"

* A valid .cer file: "Cisco_Umbrella_Root_CA.cer"

Microsoft Intune Groups



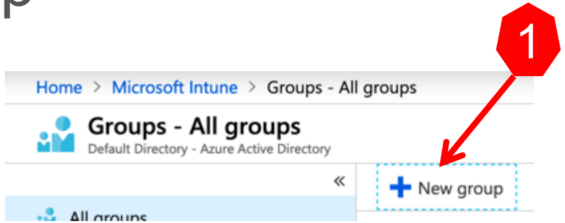
NAME	OBJECT ID	GROUP TYPE	MEMBERSHIP TYPE	EMAIL	SOURCE
AS ASA_Access	dee0aa05-972a-43ff-9fe5-b...	Security	Assigned		Cloud
CS CSC	830f25bd-3e64-4340-a5d6-...	Security	Assigned		Cloud

Intune uses Azure Active Directory (AD) groups to manage devices and users

Intune : Create a group

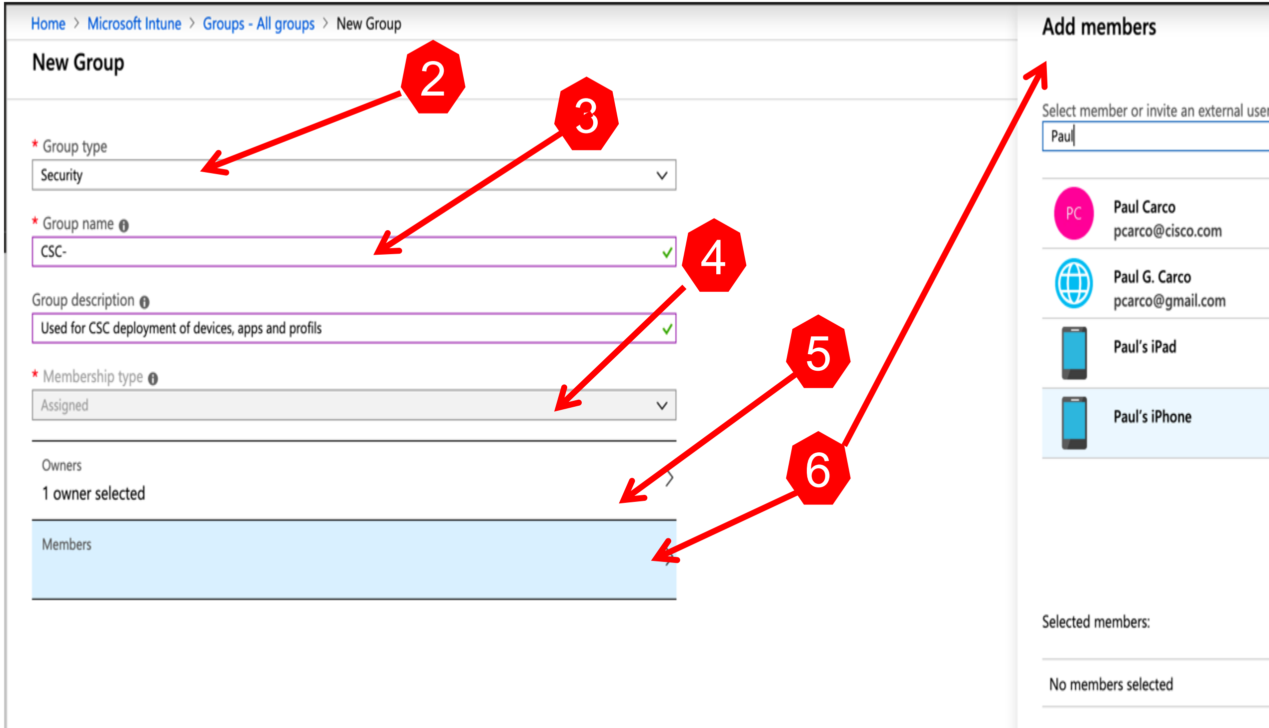
Navigate to **Microsoft Intune > Groups**

1. Click **New Group**
2. Select **Group type Security**
3. Enter **Group name**
4. Enter **a Management type (in this case 'Assigned'**
5. Select an owner from the list (admin list not shown)
6. Select Members (search for devices if already enrolled)



Home > Microsoft Intune > Groups - All groups

Groups - All groups
Default Directory - Azure Active Directory



Home > Microsoft Intune > Groups - All groups > New Group

New Group

* Group type: Security

* Group name: CSC-

Group description: Used for CSC deployment of devices, apps and profils

* Membership type: Assigned

Owners: 1 owner selected

Members

Add members

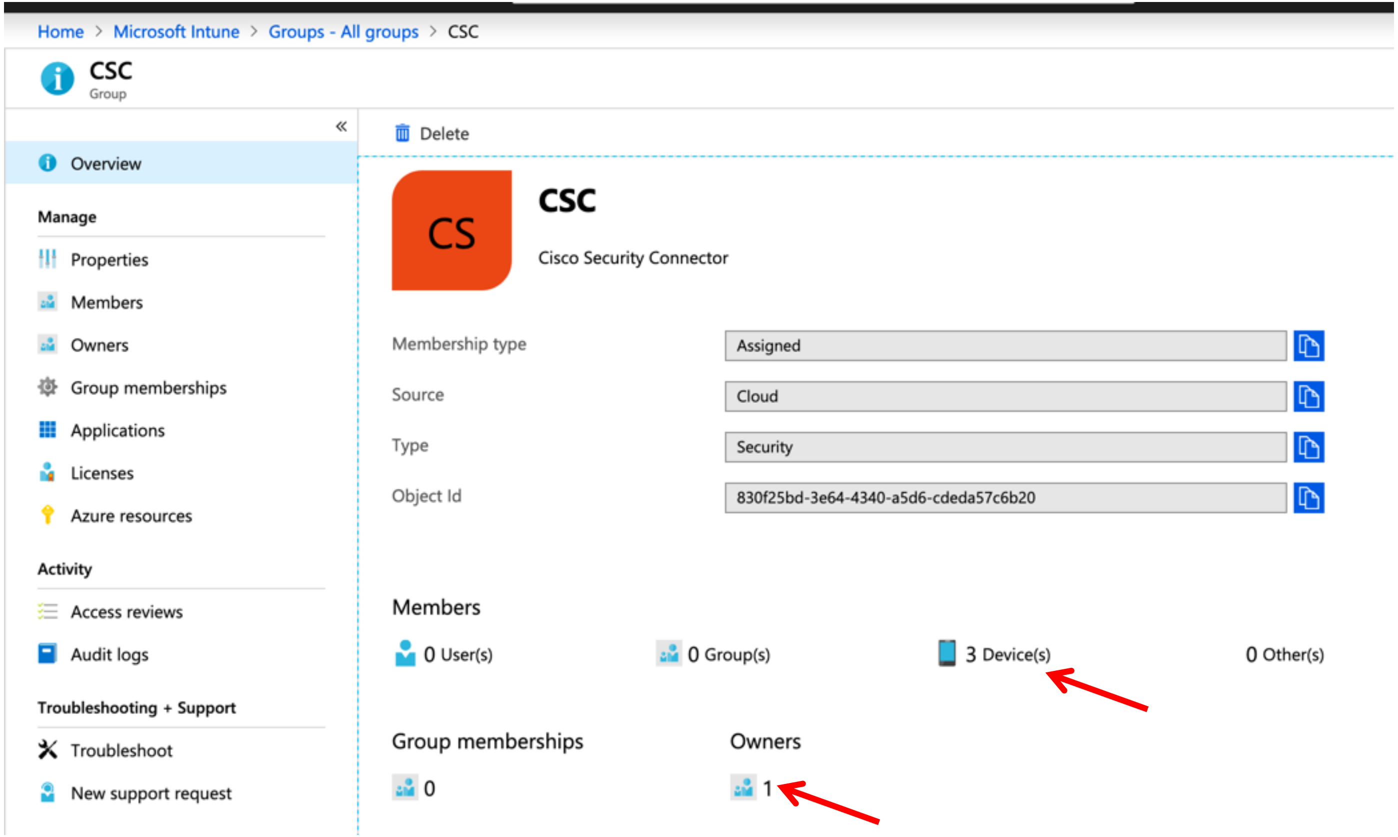
Select member or invite an external user: Paul

- Paul Carco, pcarco@cisco.com
- Paul G. Carco, pcarco@gmail.com
- Paul's iPad
- Paul's iPhone

Selected members:

No members selected

Intune : Group created



Home > Microsoft Intune > Groups - All groups > CSC

CSC
Group

Overview

Manage
- Properties
- Members
- Owners
- Group memberships
- Applications
- Licenses
- Azure resources

Activity
- Access reviews
- Audit logs

Troubleshooting + Support
- Troubleshoot
- New support request

Delete

CS

CSC

Cisco Security Connector

Membership type: Assigned

Source: Cloud

Type: Security

Object Id: 830f25bd-3e64-4340-a5d6-cdeda57c6b20

Members

0 User(s)   0 Group(s)   3 Device(s)   0 Other(s)

Group memberships: 0

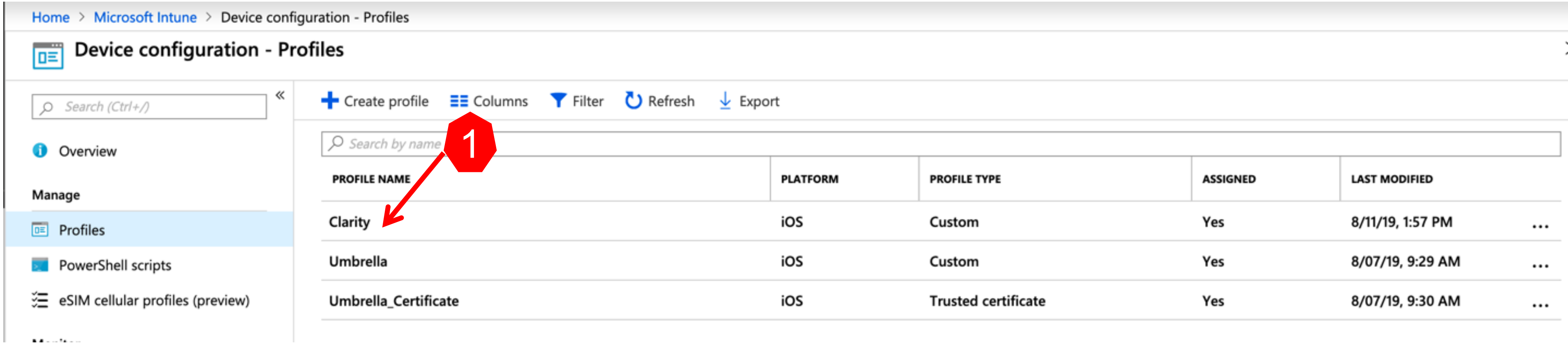
Owners: 1

Intune : Assign previously created Profiles to the Group

Steps the same for all 3 Profiles – Clarity used as example

Navigate to **Microsoft Intune > Device configuration > Profiles**

1. Select **a previously created Profile**



Home > Microsoft Intune > Device configuration - Profiles

Device configuration - Profiles

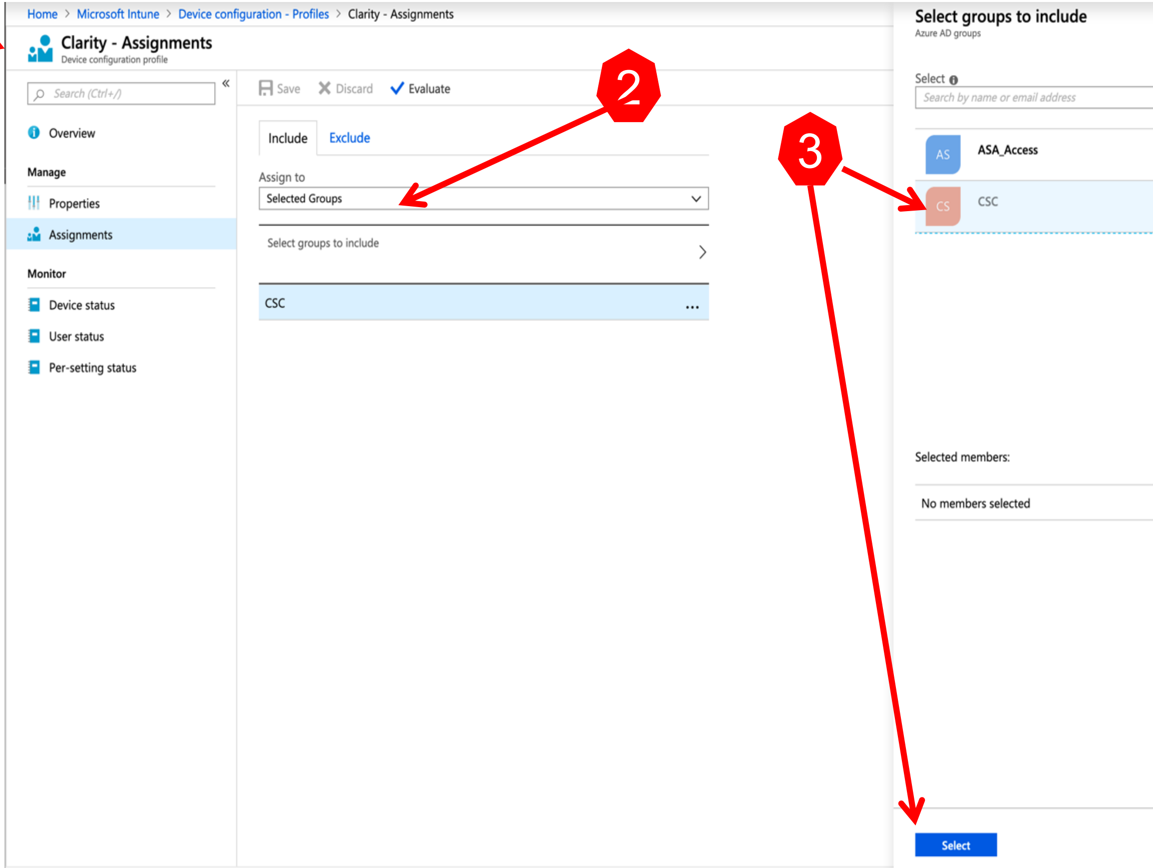
PROFILE NAME	PLATFORM	PROFILE TYPE	ASSIGNED	LAST MODIFIED
Clarity	iOS	Custom	Yes	8/11/19, 1:57 PM
Umbrella	iOS	Custom	Yes	8/07/19, 9:29 AM
Umbrella_Certificate	iOS	Trusted certificate	Yes	8/07/19, 9:30 AM

Intune : Assign previously created Profiles to the Group

Navigate to **Microsoft Intune > Device Configuration > Profiles**

1. **Selected Profile Open**
2. **Use the Assign to pull-down to open the list of available groups.**
3. **Add the Clarity Profile to the CSC Group**

Note: Repeat for the Umbrella and Trusted Certificate Profiles



Assign to: Selected Groups

Select groups to include

CSC ...

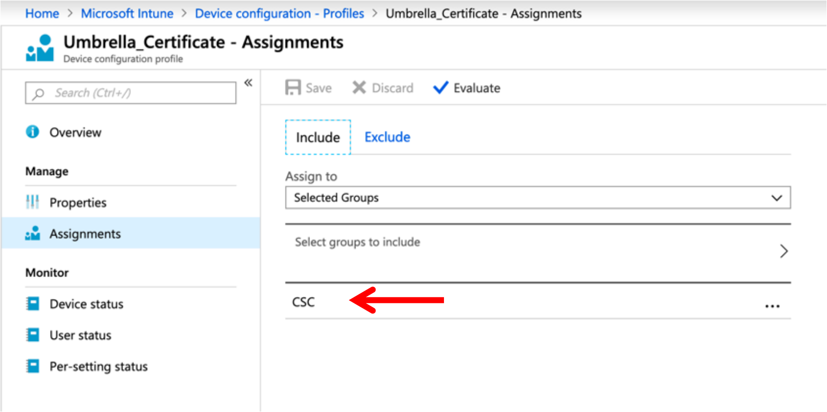
Selected members:

No members selected

Intune : Assign previously created Profiles to the Group

End result:

All 3 profiles assigned to the CSC group.



Home > Microsoft Intune > Device configuration - Profiles > Umbrella_Certificate - Assignments

Umbrella_Certificate - Assignments

Device configuration profile

Search (Ctrl+/)

Overview

Manage

Properties

Assignments

Monitor

Device status

User status

Per-setting status

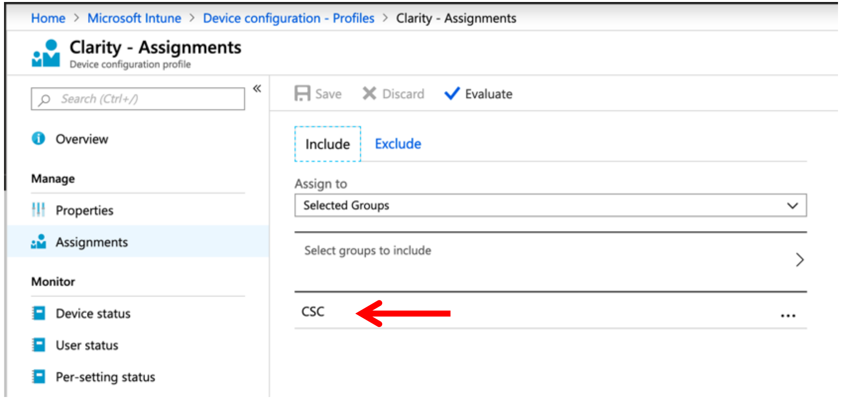
Save | Discard | ✓ Evaluate

Include | Exclude

Assign to: Selected Groups

Select groups to include

CSC ...



Home > Microsoft Intune > Device configuration - Profiles > Clarity - Assignments

Clarity - Assignments

Device configuration profile

Search (Ctrl+/)

Overview

Manage

Properties

Assignments

Monitor

Device status

User status

Per-setting status

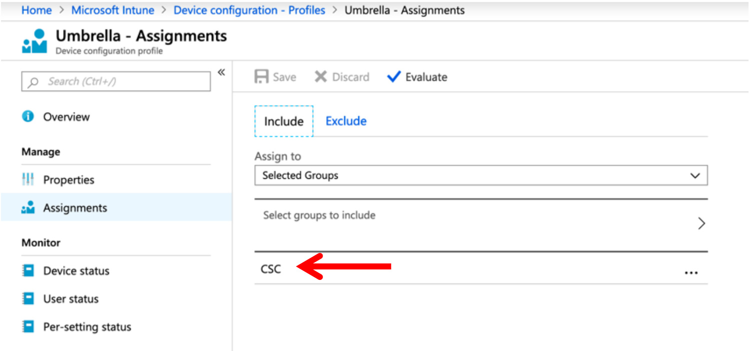
Save | Discard | ✓ Evaluate

Include | Exclude

Assign to: Selected Groups

Select groups to include

CSC ...



Home > Microsoft Intune > Device configuration - Profiles > Umbrella - Assignments

Umbrella - Assignments

Device configuration profile

Search (Ctrl+/)

Overview

Manage

Properties

Assignments

Monitor

Device status

User status

Per-setting status

Save | Discard | ✓ Evaluate

Include | Exclude

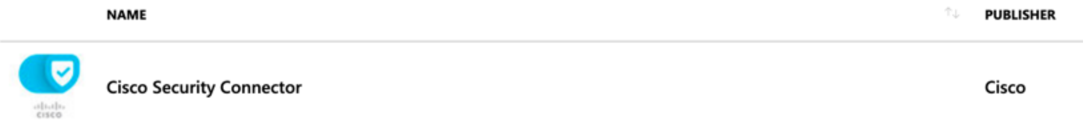
Assign to: Selected Groups

Select groups to include

CSC ...

Microsoft Intune

Adding and Assigning the Cisco Security Connector App

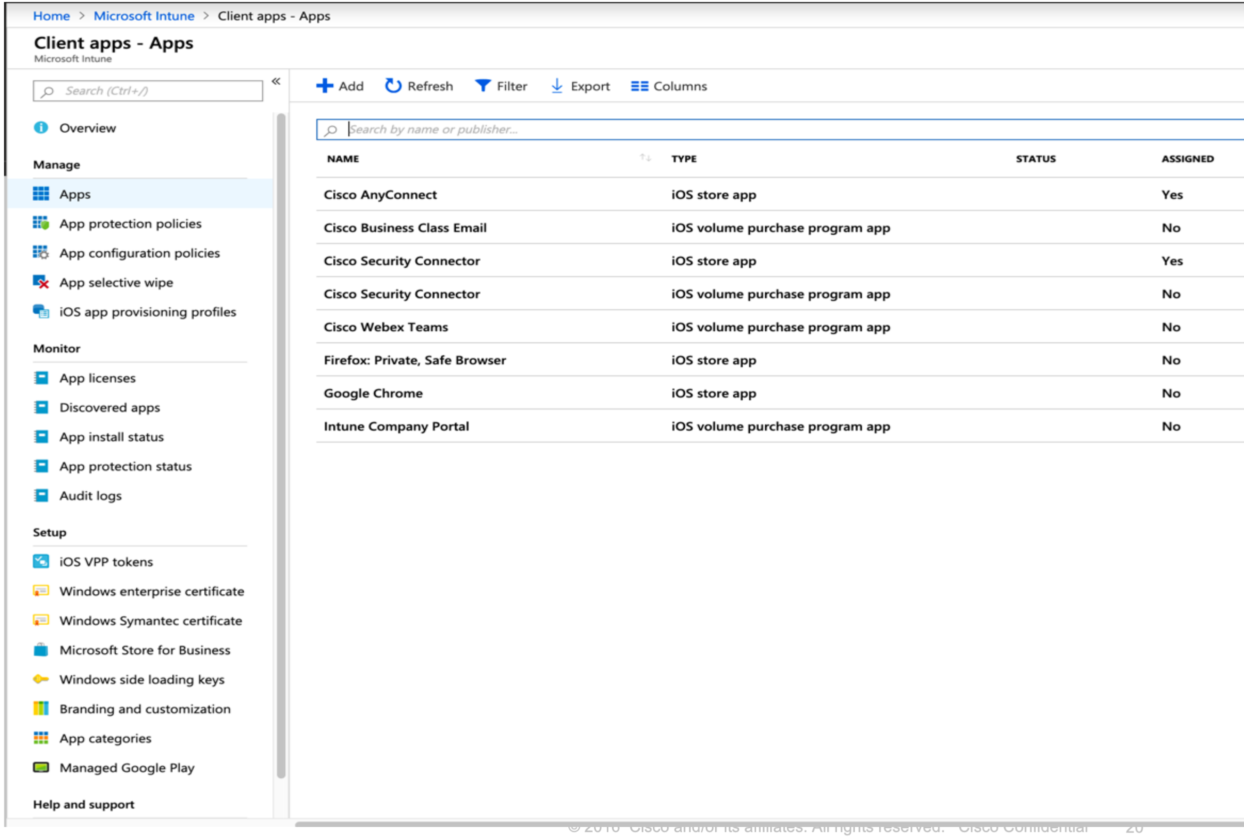


NAME	PUBLISHER
Cisco Security Connector	Cisco

Intune : Apps previously added to Intune

Navigate to **Microsoft Intune > Client apps > Apps**

This is a list of Apps previously added



Home > Microsoft Intune > Client apps - Apps

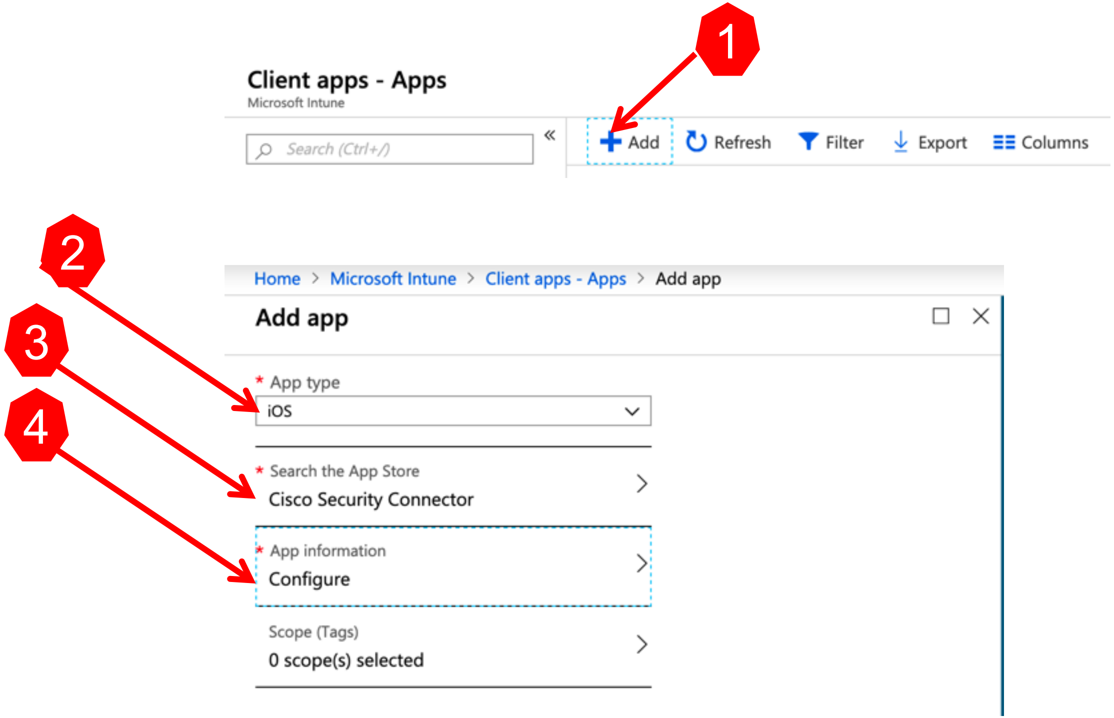
Client apps - Apps
Microsoft Intune

NAME	TYPE	STATUS	ASSIGNED
Cisco AnyConnect	iOS store app		Yes
Cisco Business Class Email	iOS volume purchase program app		No
Cisco Security Connector	iOS store app		Yes
Cisco Security Connector	iOS volume purchase program app		No
Cisco Webex Teams	iOS volume purchase program app		No
Firefox: Private, Safe Browser	iOS store app		No
Google Chrome	iOS store app		No
Intune Company Portal	iOS volume purchase program app		No

Intune : Add the Cisco Security Connector App

Navigate to **Microsoft Intune > Client apps > Apps**

1. **Click +Add**
2. **App type > iOS**
3. **Search for Cisco Security Connector**
4. **Configure – Defaults are fine.**



Client apps - Apps
Microsoft Intune

Add app

* App type
iOS

* Search the App Store
Cisco Security Connector

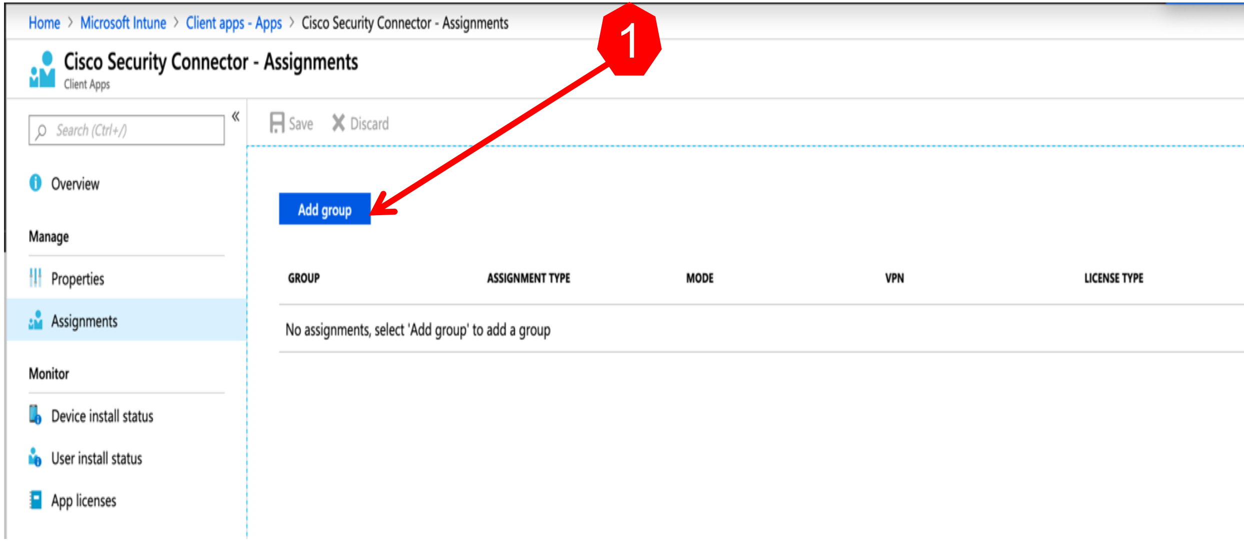
* App information
Configure

Scope (Tags)
0 scope(s) selected

Intune : Add the CSC App to the CSC Group

Navigate to **Microsoft Intune > Client apps >** Cisco Security Connector - Assignments

1. Click **Add Group**

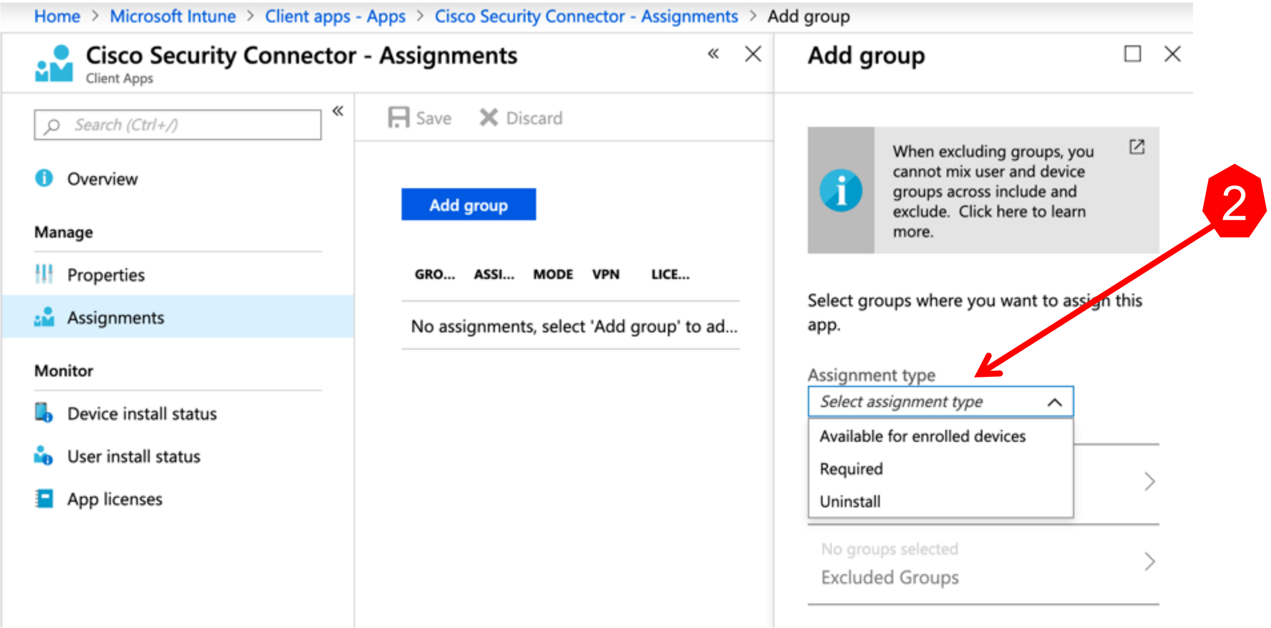


GROUP	ASSIGNMENT TYPE	MODE	VPN	LICENSE TYPE
No assignments, select 'Add group' to add a group				

Intune : Add the CSC App to the CSC Group

Navigate to **Microsoft Intune > Client apps >** Cisco Security Connector – Assignments > Add group

2. Select an assignment type. Most likely **Required**



Home > Microsoft Intune > Client apps - Apps > Cisco Security Connector - Assignments > Add group

Cisco Security Connector - Assignments
Client Apps

Add group

When excluding groups, you cannot mix user and device groups across include and exclude. Click here to learn more.

No assignments, select 'Add group' to ad...

Select groups where you want to assign this app.

Assignment type: Select assignment type
- Available for enrolled devices
- Required
- Uninstall

Intune : Add the CSC App to the CSC Group

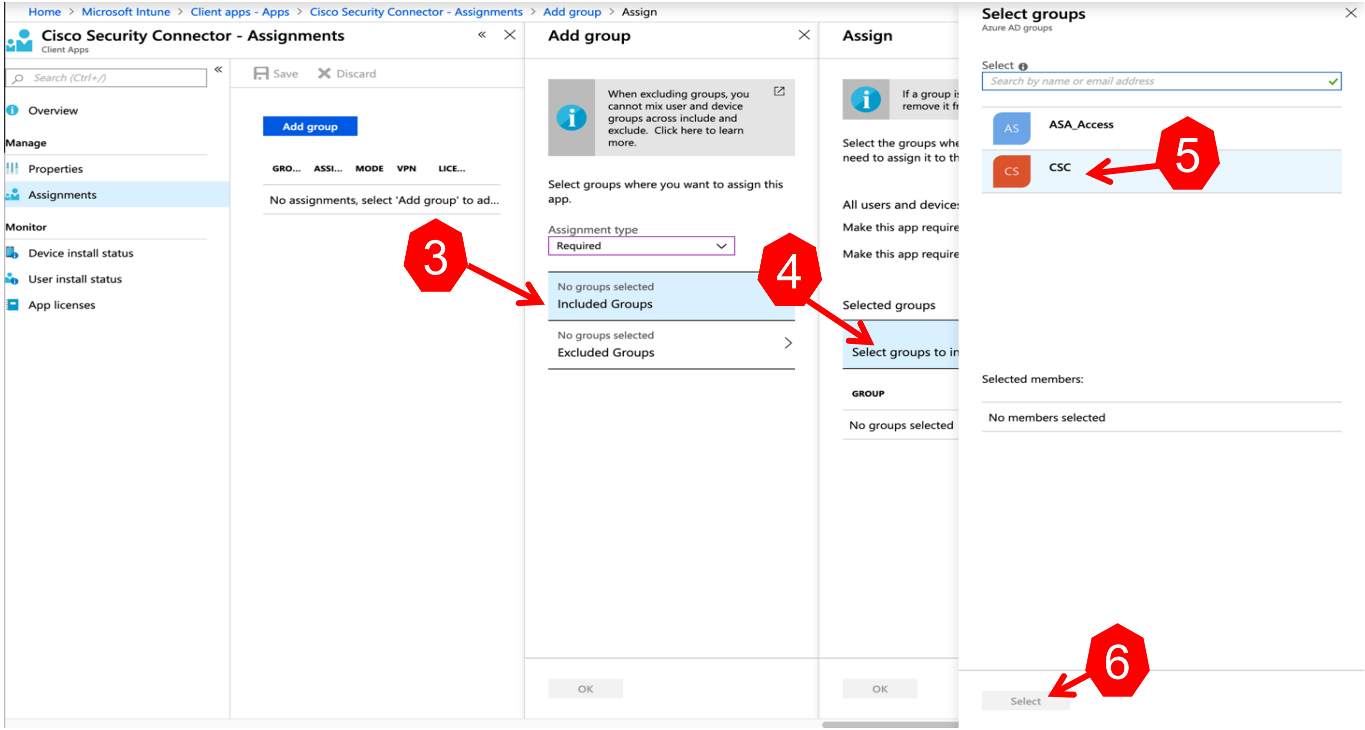
Navigate to **Microsoft Intune > Client apps > Cisco Security Connector – Assignments > Add group > Assign**

3. Click on Included Groups

4. Under Assign click on Select Groups to Include

5. Choose the desired group

6. Click on **Select**



No assignments, select 'Add group' to ad...

When excluding groups, you cannot mix user and device groups across include and exclude. Click here to learn more.

Select groups where you want to assign this app.

Assignment type: Required

No groups selected
Included Groups

No groups selected
Excluded Groups

If a group i... remove it fr...

Select the groups whe... need to assign it to th...

All users and device...

Make this app require...

Make this app require...

Selected groups

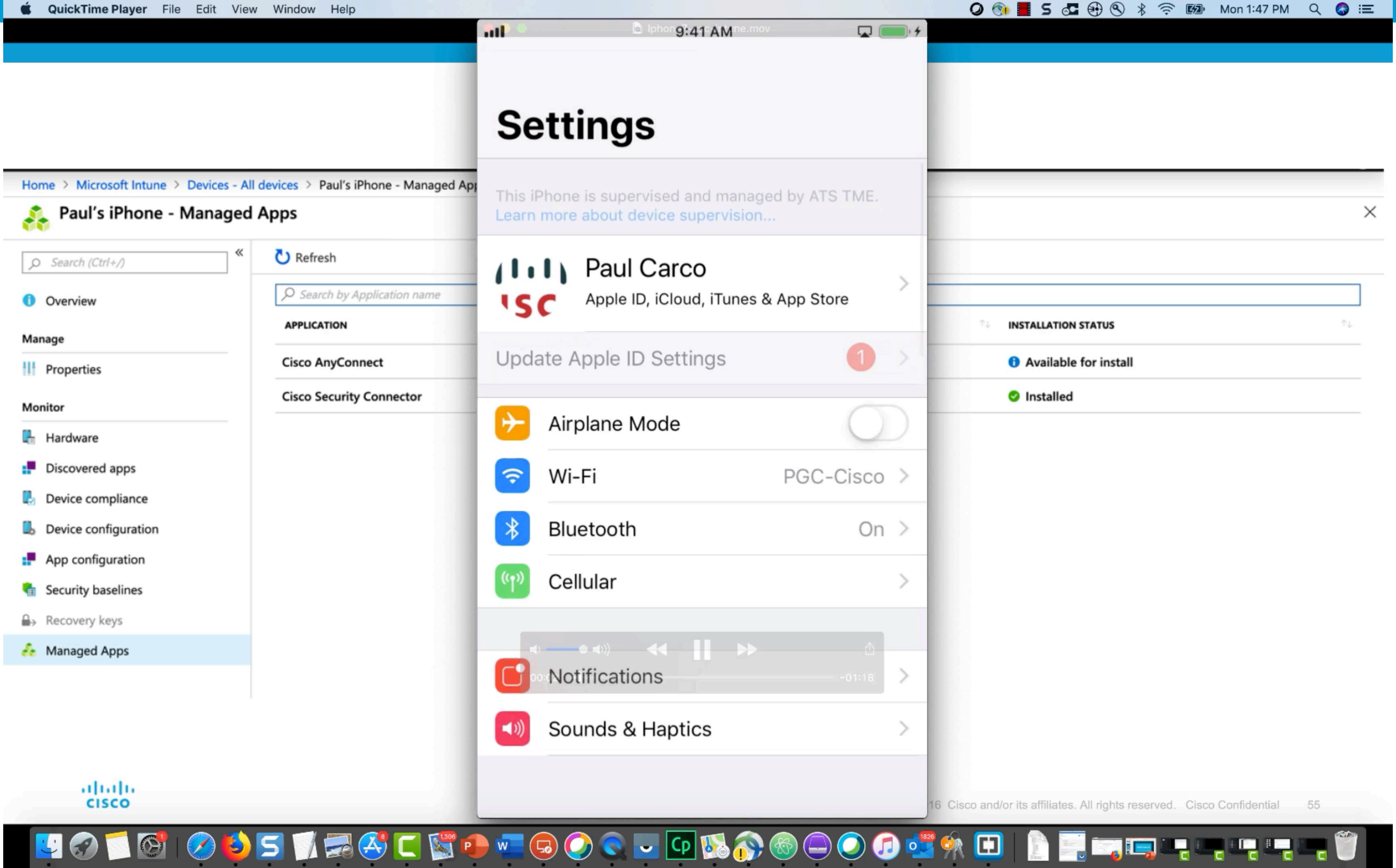
Select groups to in...

GROUP

No groups selected

Selected members:

No members selected


QuickTime Player File Edit View Window Help
Mon 1:47 PM
9:41 AM
Refresh
Search (Ctrl+/)
Search by Application name
00:
-01:18

Home > Microsoft Intune > Devices - All devices > Paul's iPhone - Managed Ap

Paul's iPhone - Managed Apps

- Overview

Manage

- Properties

Monitor

- Hardware
- Discovered apps
- Device compliance
- Device configuration
- App configuration
- Security baselines
- Recovery keys
- Managed Apps

APPLICATION	INSTALLATION STATUS
Cisco AnyConnect	Available for install
Cisco Security Connector	Installed

Settings

This iPhone is supervised and managed by ATS TME. Learn more about device supervision...

Paul Carco
Apple ID, iCloud, iTunes & App Store

Update Apple ID Settings 1

Airplane Mode

Wi-Fi PGC-Cisco

Bluetooth On

Cellular

Notifications

Sounds & Haptics

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