Automate Deployment of Secure Client on MacOS with a Bundled Umbrella Profile

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Introduction

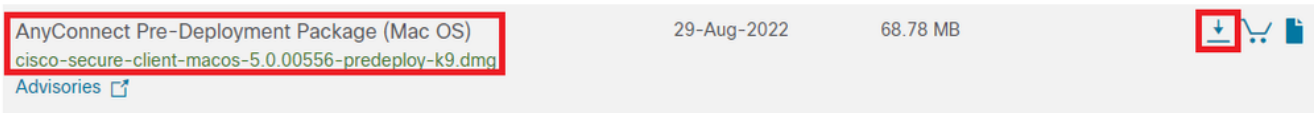
This document describes how to deploy the Cisco Secure Client Umbrella module on macOS computers or install the Umbrella module as a Standalone App.

Prerequisites

- Access to Umbrella Dashboard.
- Access to the Cisco software Cisco Secure Client 5 downloads page.
- AnyConnect Umbrella Module Profile (orginfo.json).
- A macOS supported platform: macOS 13, macOS 12, 11.2, 10.15, and 10.14 (all 64-bit).
- (Optional but **highly recommended**) Umbrella Root Certificate installed, this is used by the testing section when we visit a site that has been blocked by our DNS/SWG policy. For further details of the Root Certificate installation, click here.

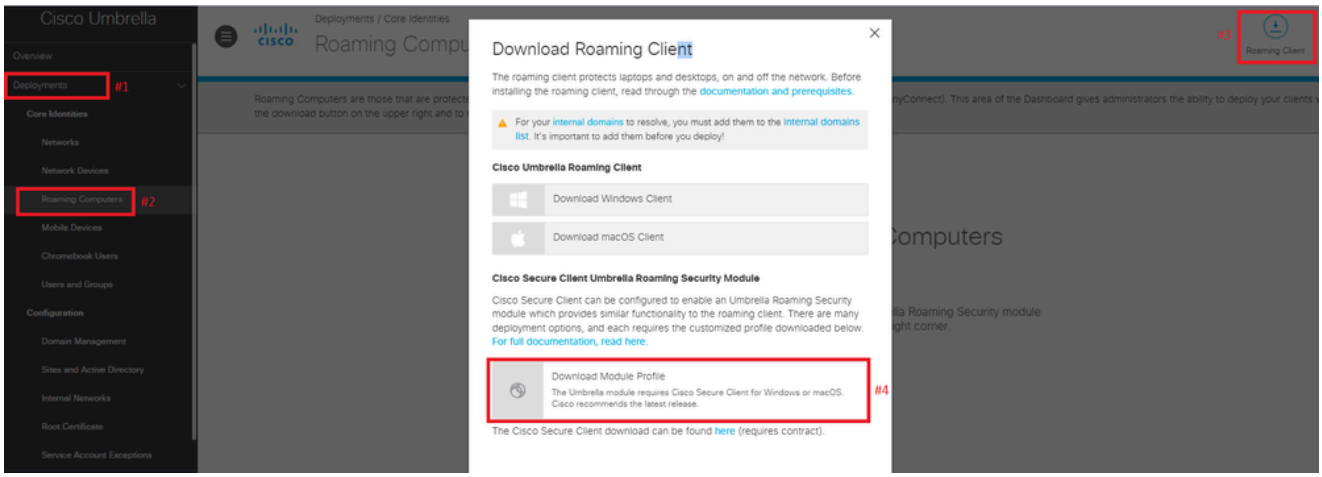
Umbrella Module with Visible VPN AnyConnect Module

1. Download the proper Secure Client package for macOS from the Software Download page. This image shows the download for any manual/in-tune install:



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2. Download the OrgInfo.json file from your dashboard. This file is unique to your dashboard, so make sure this is not shared by any other ORG ID that is not yours.



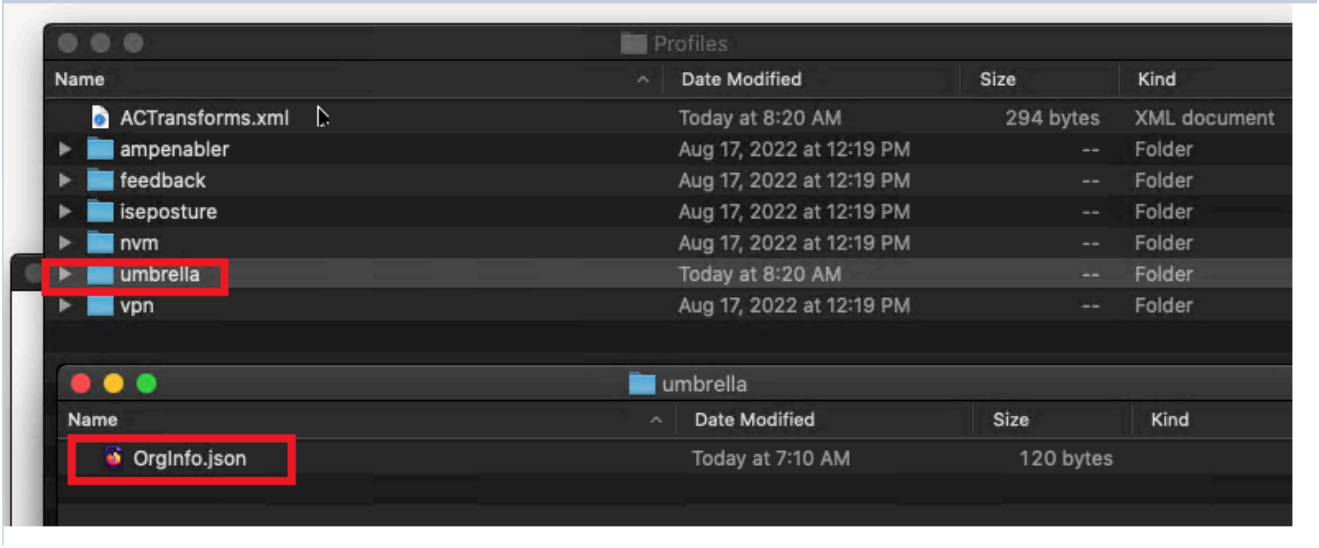
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3. Change the installer image to read/write by either running the Disk Utility or using the Terminal application, as follows: **hdiutil convert <source dmg> -format UDRW -o <output dmg>**

```
user@macOS-Jbrenesm Desktop % hdiutil convert cisco-secure-client-macos-5.0.00556-predeploy-k9.dmg -format UDRW -o cisco-umbrella.dmg
Reading Protective Master Boot Record (MBR : 0)…
Reading GPT Header (Primary GPT Header : 1)…
Reading GPT Partition Data (Primary GPT Table : 2)…
Reading  (Apple_Free : 3)…
Reading disk image (Apple_HFS : 4)…
.....................................................................
Reading  (Apple_Free : 5)…
Reading GPT Partition Data (Backup GPT Table : 6)…
.....................................................................
Reading GPT Header (Backup GPT Header : 7)…
.....................................................................
Elapsed Time: 898.924ms
Speed: 152.4Mbytes/sec
Savings: 0.0%
created: /Users/user/Desktop/cisco-umbrella.dmg
```

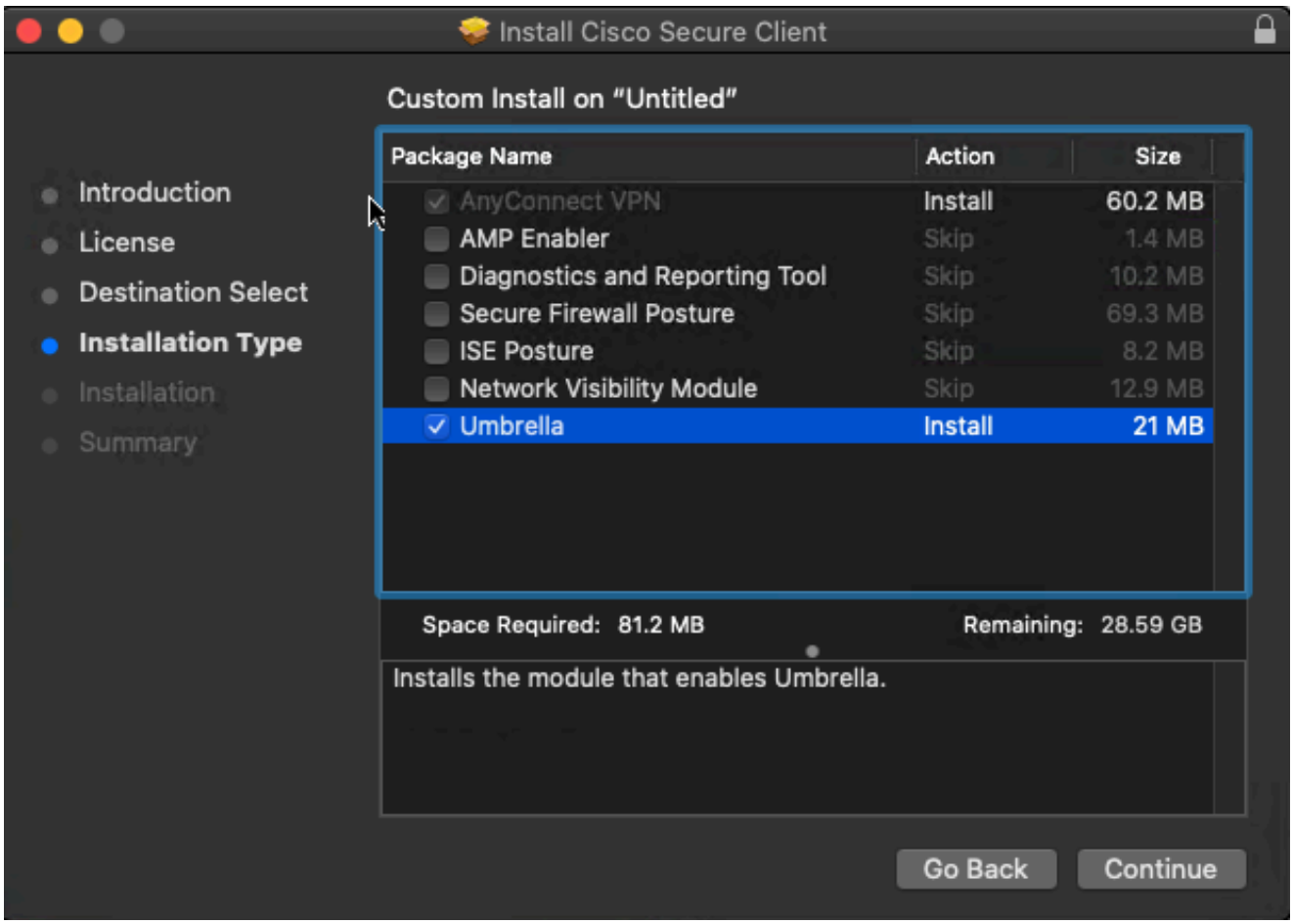
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4. To open the newly converted dmg file and open the Profiles folder, click on **Profiles**, then on the Umbrella folder, and drop the OrgInfo.json file you just downloaded from your dashboard.



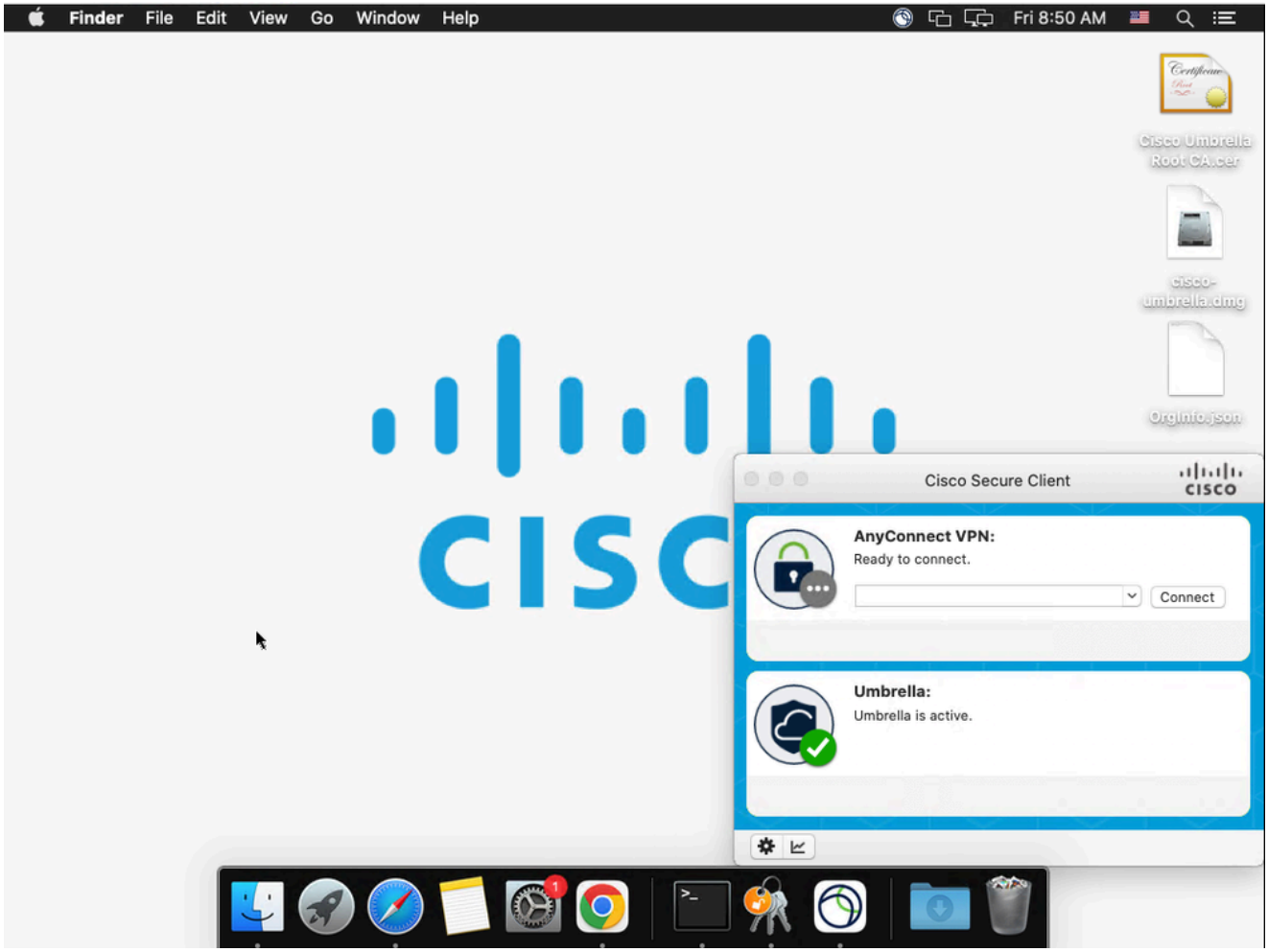
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5. Proceed with the installation of the Umbrella module.

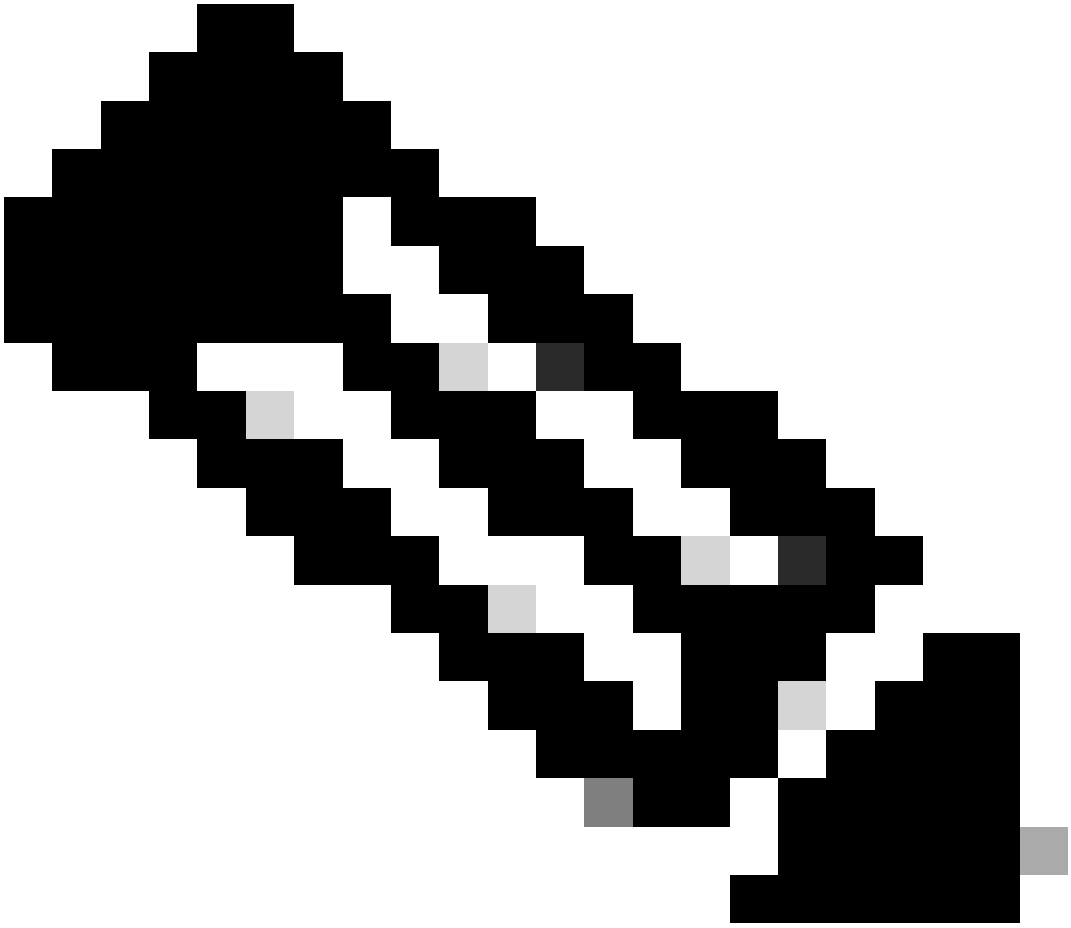


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6. After it has been installed, the two modules are visible: the AnyConnect VPN and the Umbrella Roaming Security.



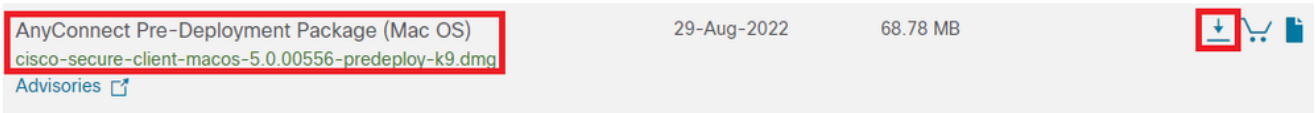
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Note: You can also just drop the OrgInfo.json file manually to the computer to this location: **/opt/cisco/secureclient/umbrella.**

Umbrella Module as a Standalone App

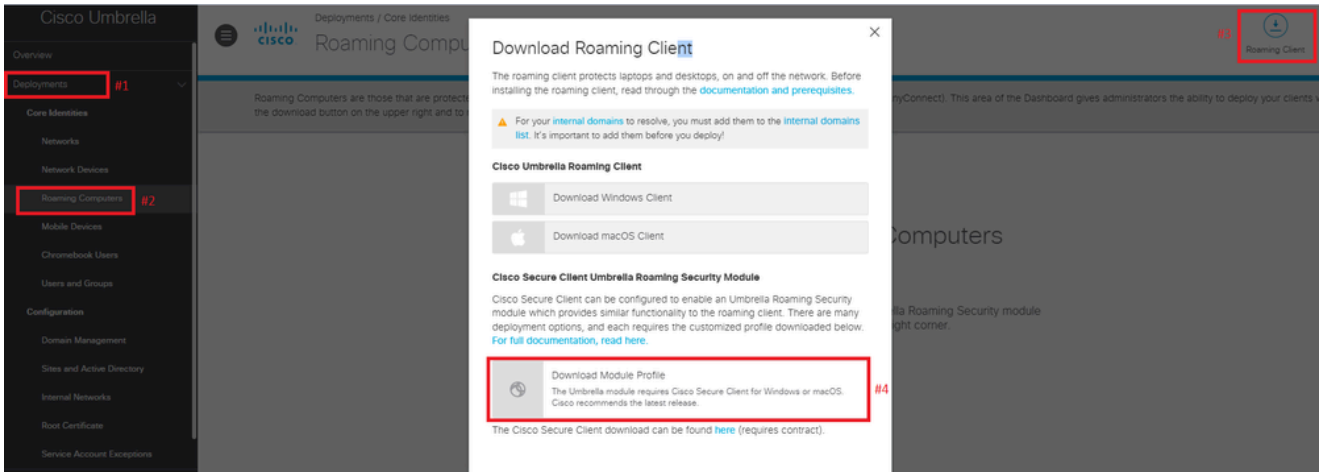
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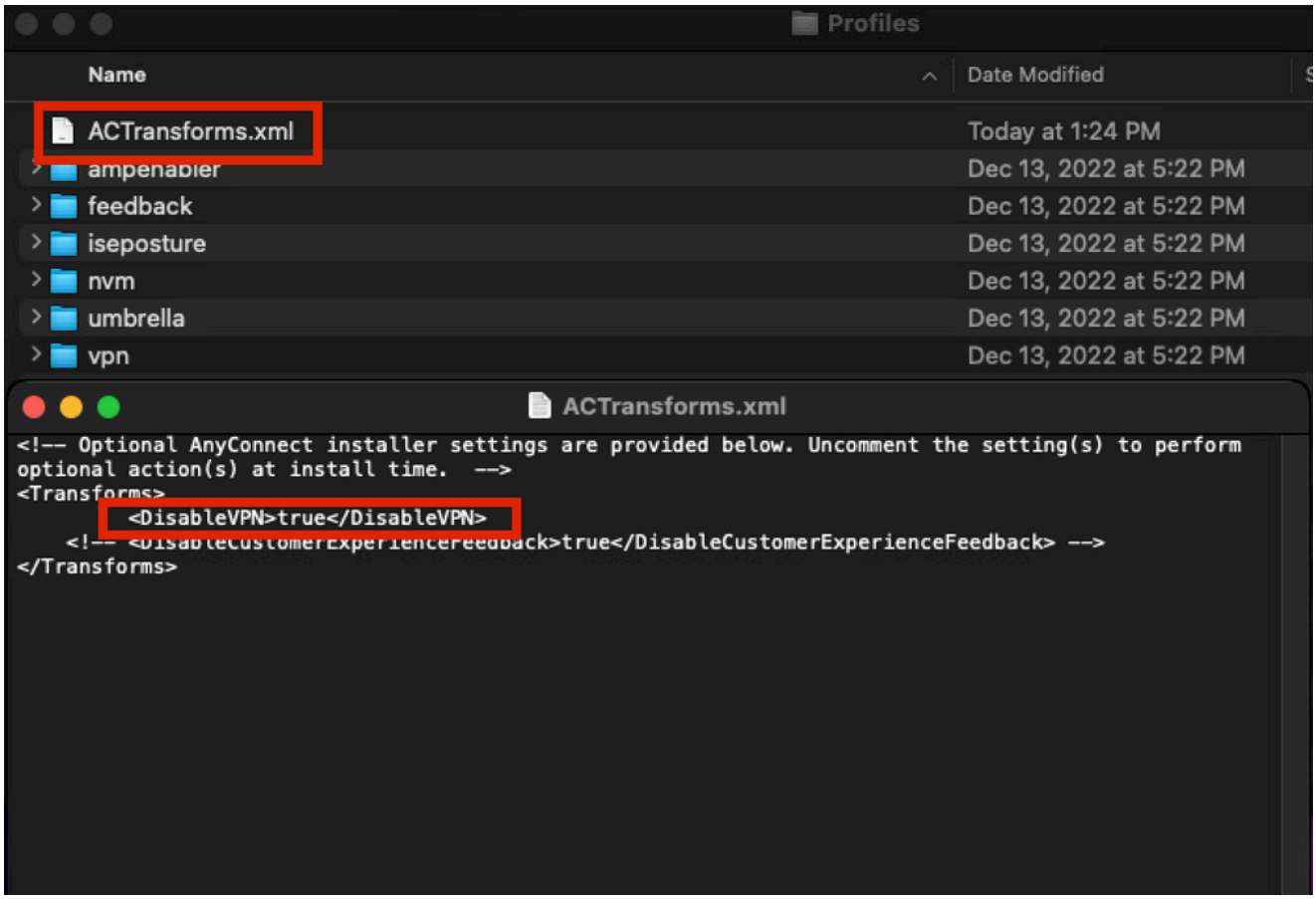
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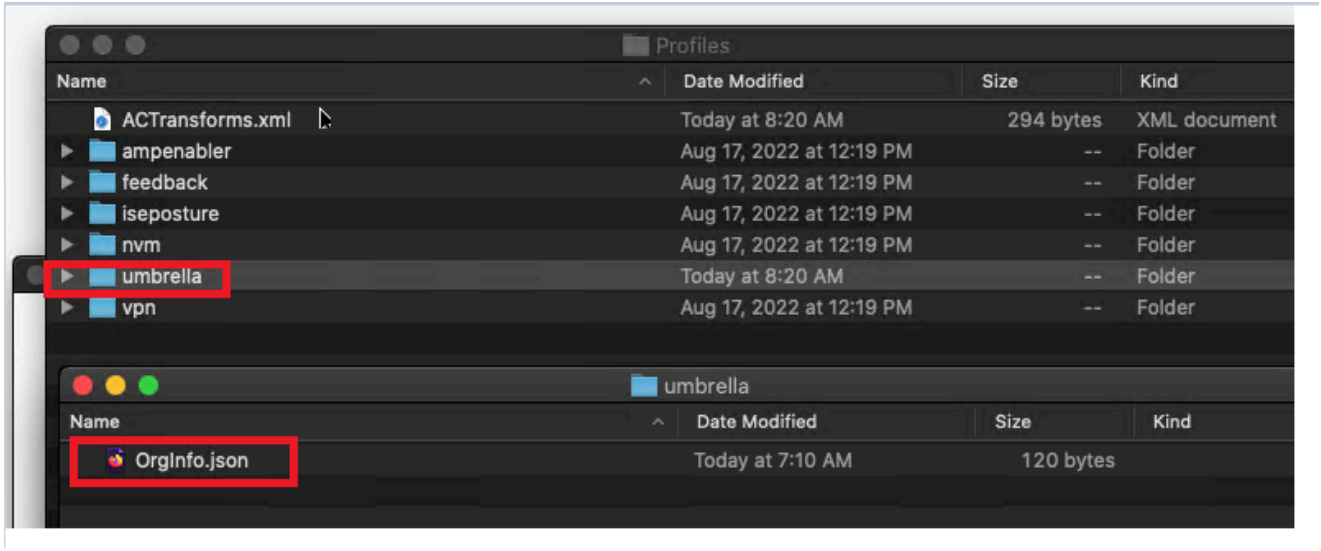
4. Open the newly converted dmg file and open the **Profiles** folder. Here we need to perform two steps:

   a. Edit the ACTransforms.xml and make sure the **<DisableVPN>** is set to true and that it is uncommented.



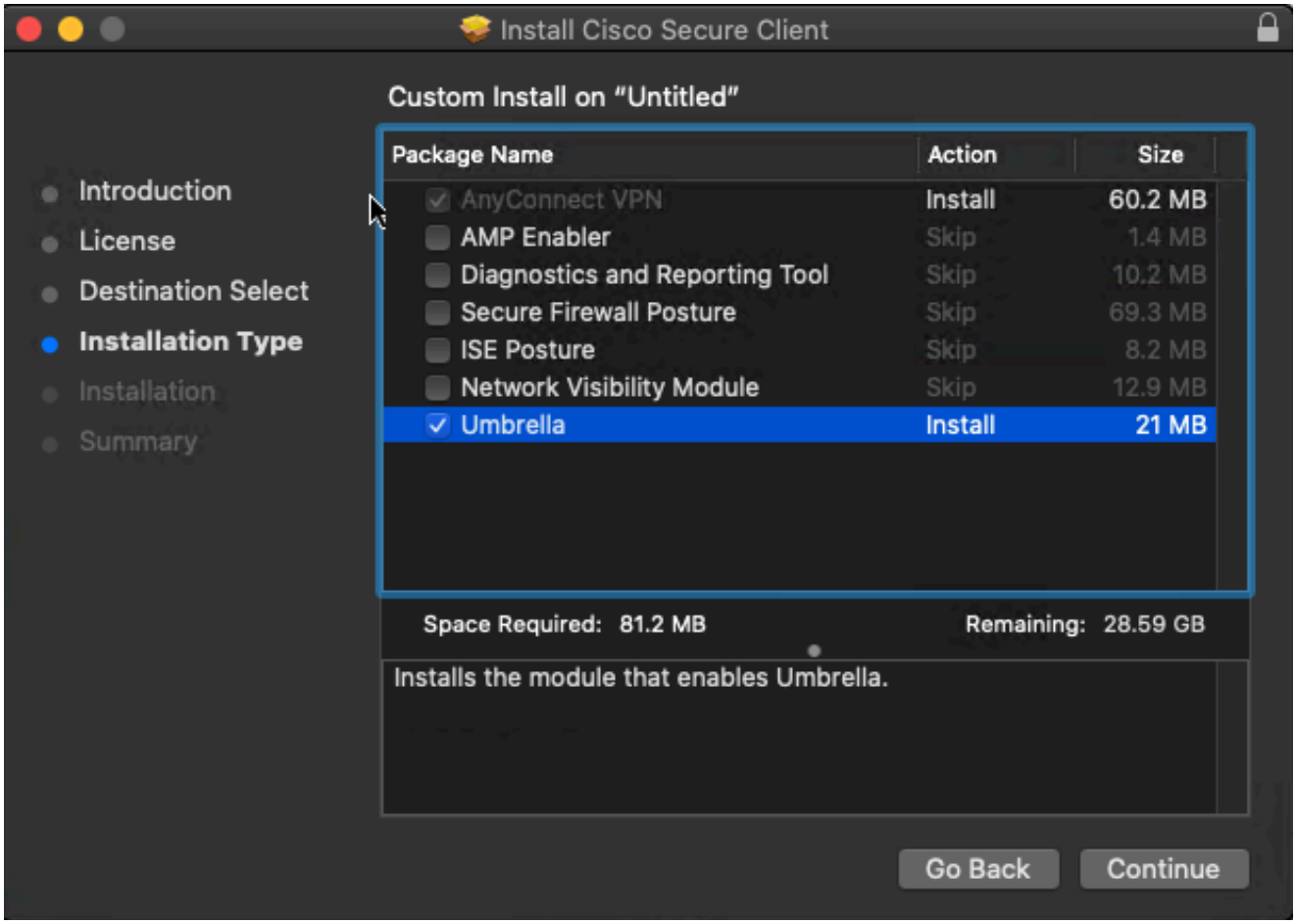
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b. Click on **Profiles**, then on the Umbrella folder, and drop the OrgInfo.json file you just downloaded from your dashboard.



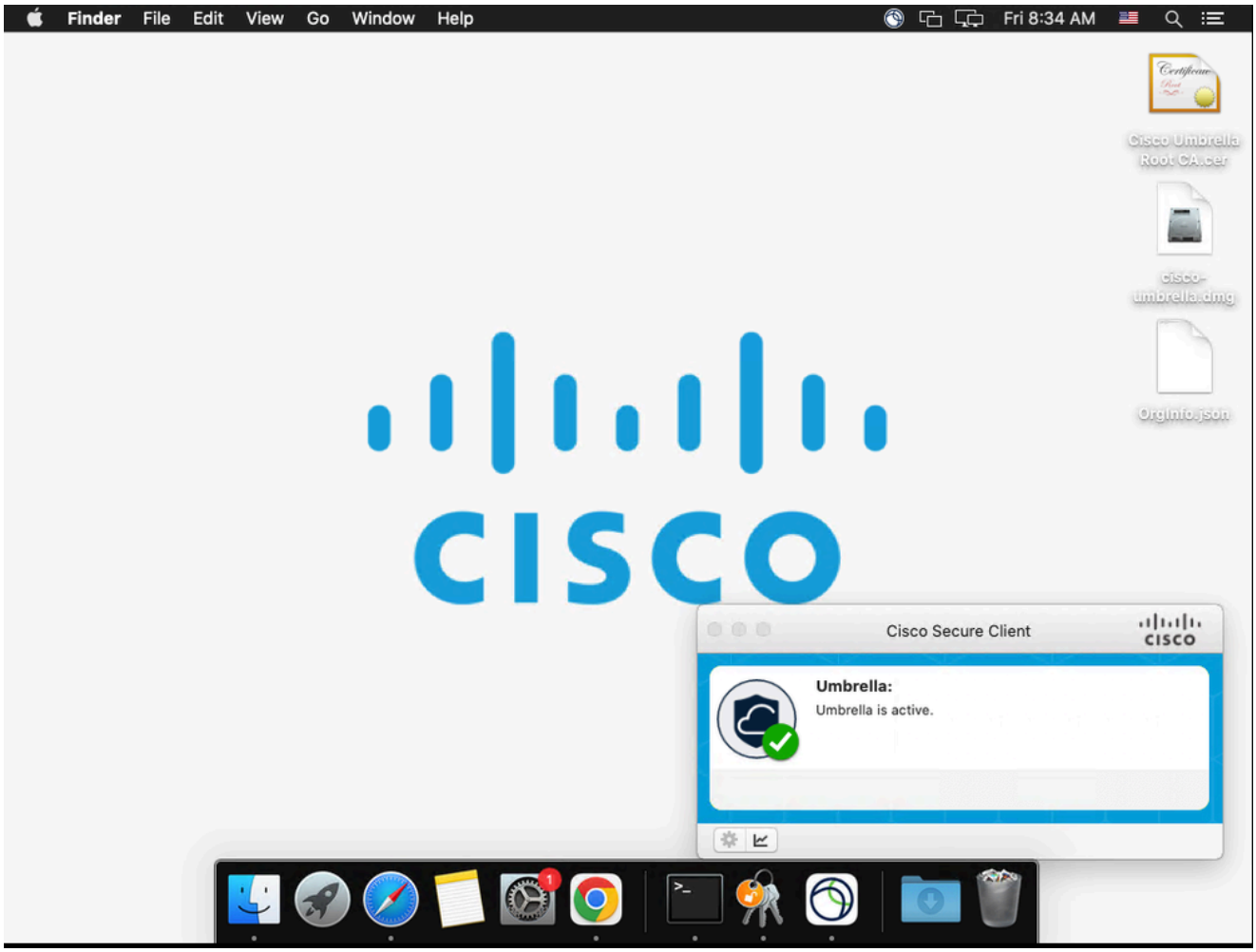
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5. Proceed with the installation of the Umbrella module.

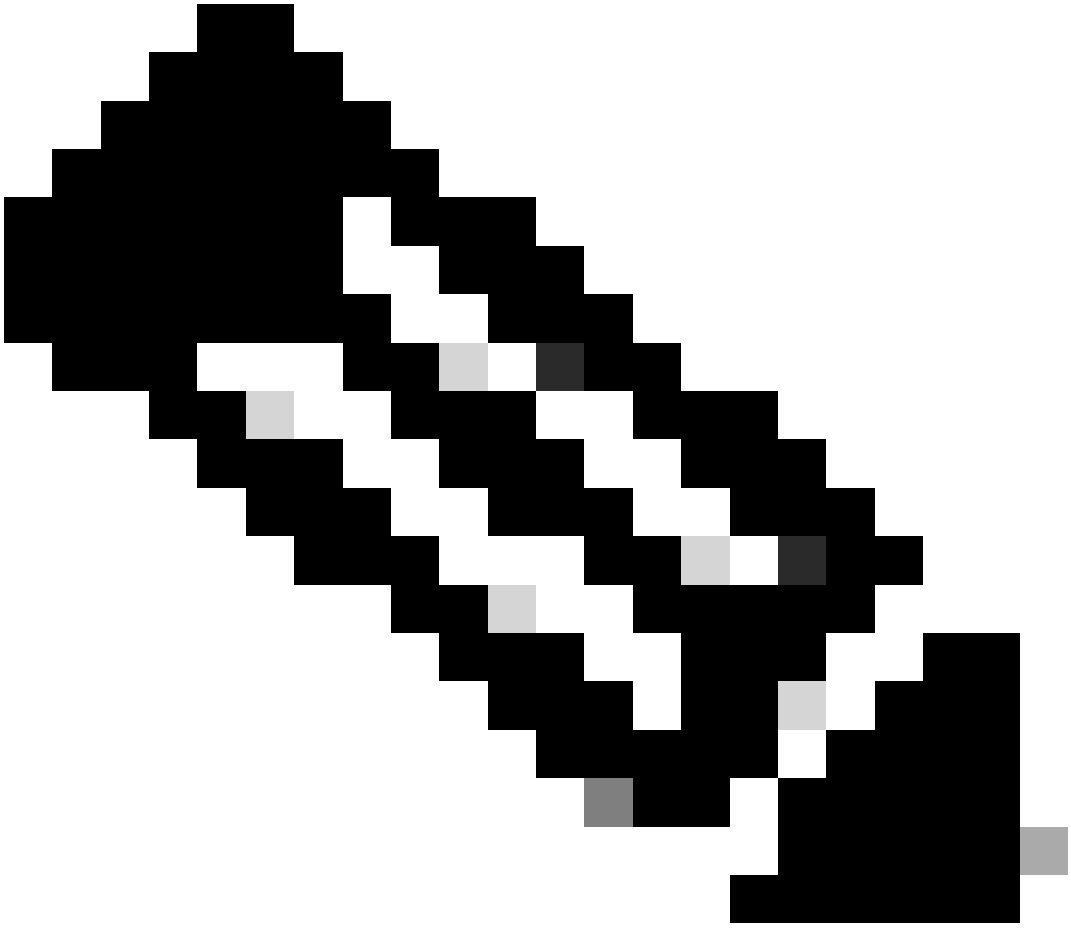


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6. After it has been installed, only the Umbrella module is visible.



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Note: You can also just drop the OrgInfo.json file manually to the computer to this location: **/opt/cisco/secureclient/umbrella.**

Scripted Installation

The package can be installed in an automated fashion using scripts or endpoint management software. However, when the package is run in an unattended way all Secure Client modules are installed by default.

The attached file install_choices.xml configures Secure Client to only install the required core VPN module and Umbrella modules.

To control the installed modules you can supply the install_choices.xml as an installer argument.

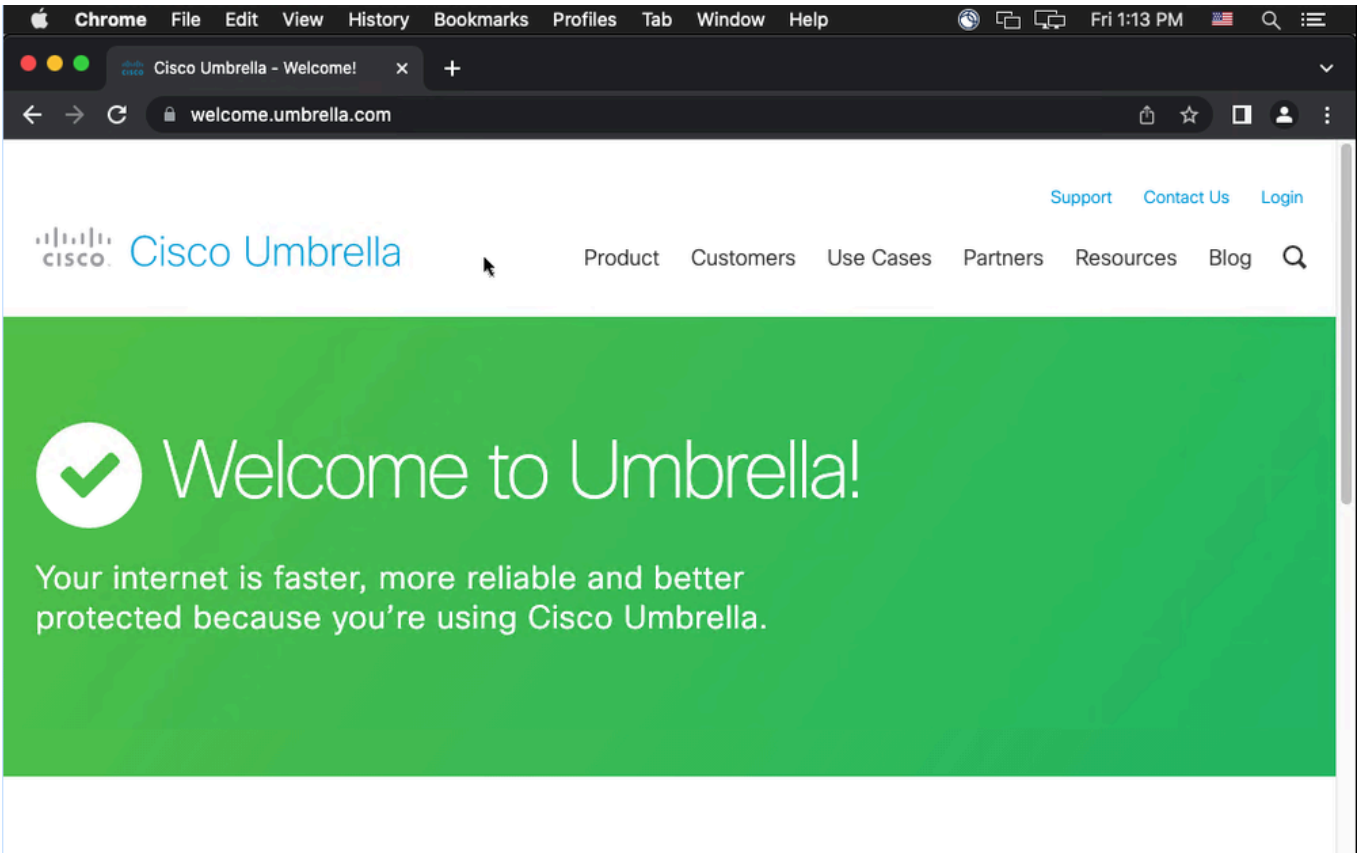
```
# Attach DMG
hdiutil attach ~/Downloads/csc-readable.dmg

# Run the installer with supplied install_choices.xmlsudo installer -pkg Cisco\ Secure\ Client\ <versi
```

For more details see Customize MacOS installation of Secure Client.

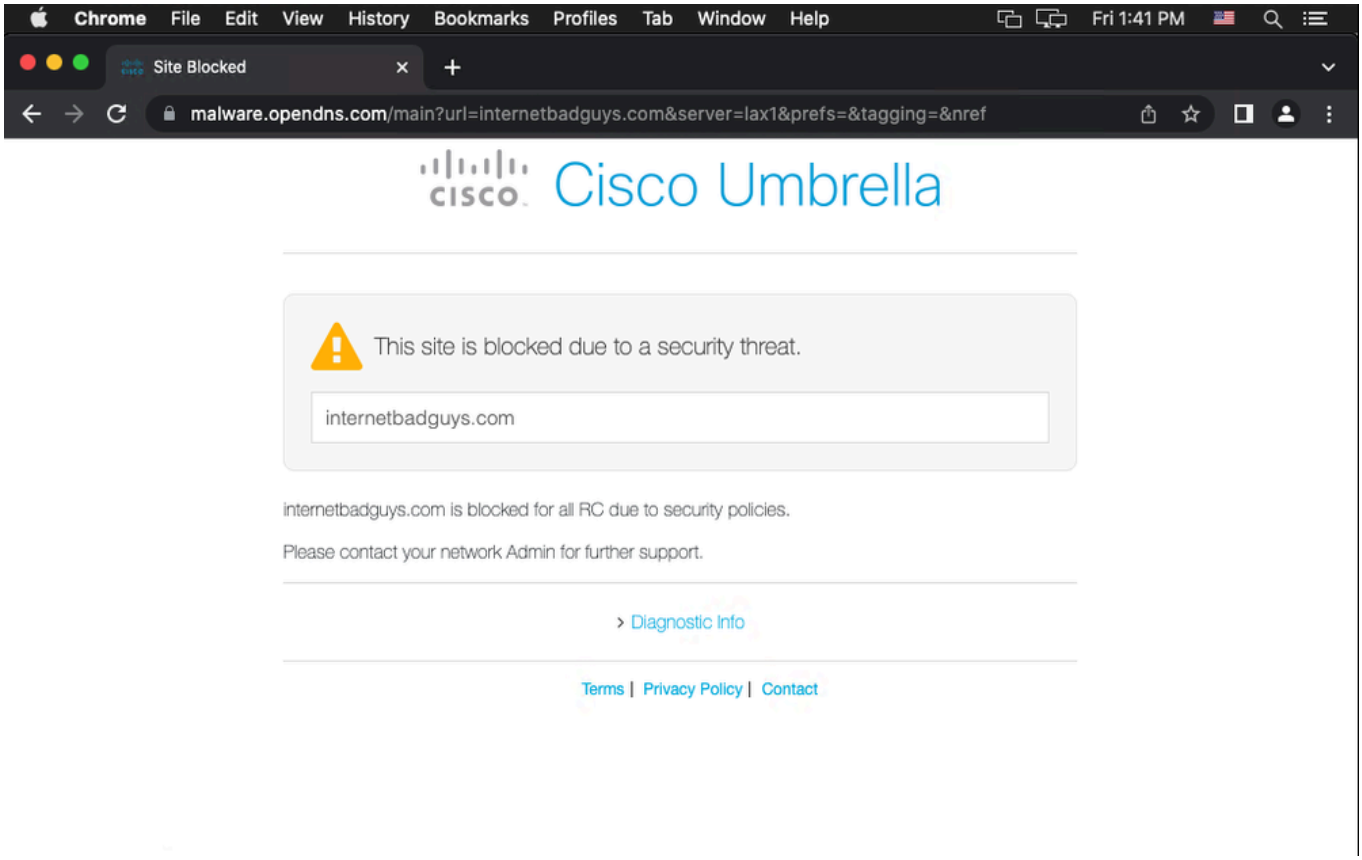
Verification

- Try going to **welcome.umbrella.com** and make sure you are protected:



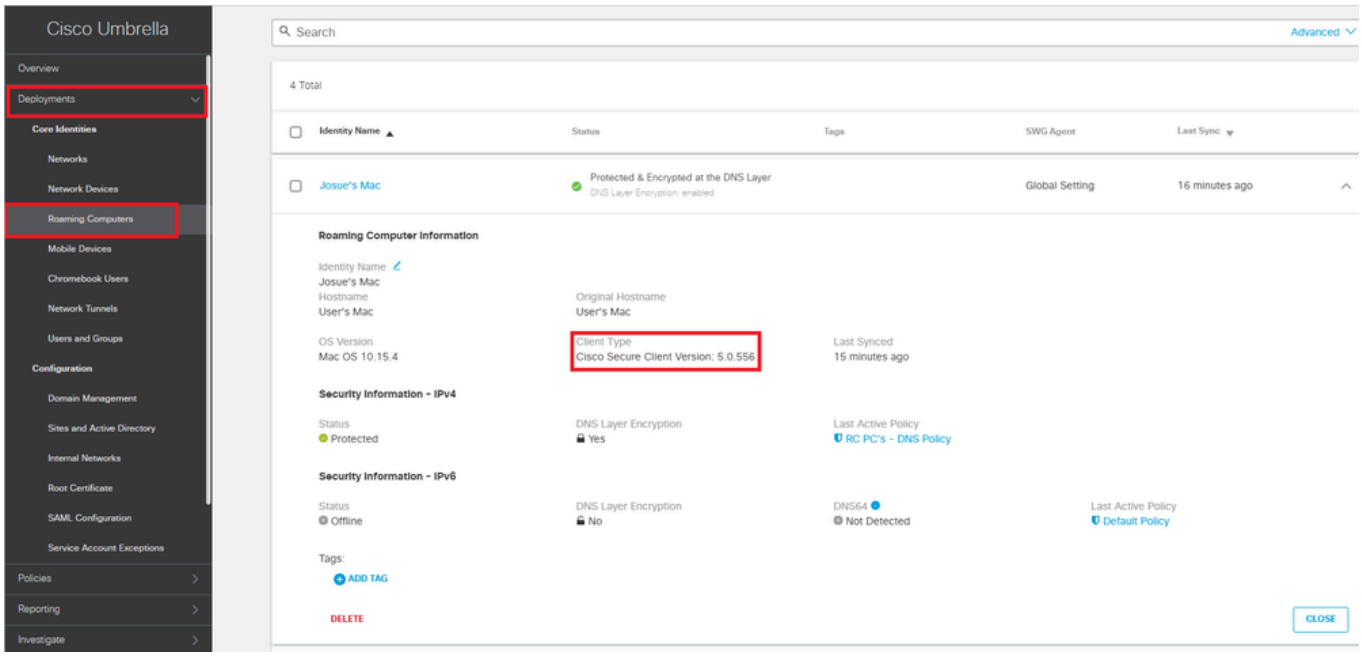
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- Try going to any or our test destinations, using Understand Umbrella Test Destinations, and make sure you are protected by Umbrella.



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- On your Umbrella dashboard, we can check the computer has successfully synced to Umbrella and imported as a Roaming Client Computer:



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