

Provision OrgInfo.json and AnyConnect via ISE for Umbrella

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Introduction

This document describes how to provision the OrgInfo.json profile and AnyConnect client using Identity Services Engine (ISE) for Umbrella integration.

Prerequisites

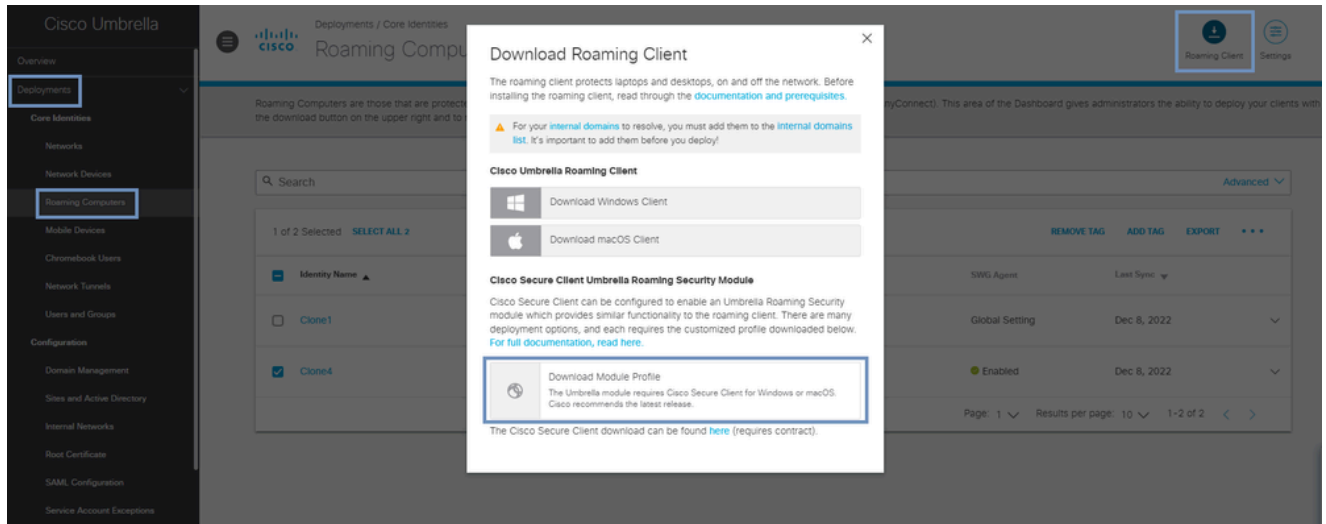
- Access to the Umbrella dashboard
- Access to the ISE dashboard
- Umbrella Module Profile (OrgInfo.json)
- AnyConnect Headend Deployment Package (Windows or macOS)
- ISE Posture Compliance Library (Windows or macOS)
- Latest ISE patch installed (to avoid Cisco bug ID [CSCvz01485](#))

Not Covered:

- ISE Authentication and Authorization policies
- ISE Client Provisioning Portal and client redirection

Preparation Steps

1. Access the Umbrella dashboard and download the Umbrella Module Profile (OrgInfo.json) from **Deployments > Roaming Computers > Download > Download Module Profile**.



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2. Download the AnyConnect Headend Deployment Package from the Cisco Software Download page, selecting the version appropriate for your deployment.

AnyConnect Headend Deployment Package (Windows)
 anyconnect-win-4.10.06090-webdeploy-k9.pkg
[Advisories](#)

26-Jan-2023

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AnyConnect Headend Deployment Package (Mac OS)
 anyconnect-macos-4.10.06090-webdeploy-k9.pkg
[Advisories](#)

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3. Download the ISE Posture Compliance Library from the Cisco Software Download page, selecting the version appropriate for your deployment.

ISE Posture Compliance Library - Windows / Head-end deployment (PKG). This image can be used with AnyConnect version 4.3 and later along with ISE 2.1 and later. Cisco Secure Client 5.x along with ISE 2.7 and later.
 cisco-secure-client-win-4.3.3335.6146-isecompliance-webdeploy-k9.pkg
[Advisories](#)

30-Jan-2023

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ISE Posture Compliance Library - Mac OS X / Head-end deployment (PKG). This image can be used with AnyConnect version 4.3 and later along with ISE 2.1 and later. Cisco Secure Client 5.x along with ISE 2.7 and later.
 cisco-secure-client-macos-4.3.2868.4354-isecompliance-webdeploy-k9.pkg
[Advisories](#)

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ISE Configuration

1. Access the ISE dashboard and navigate to **Work Centers > Posture > Client Provisioning > Resources > Add > Agent resources from local disk.**

The screenshot shows the Cisco ISE dashboard with the 'Client Provisioning' tab selected. In the left sidebar, 'Resources' is highlighted. The main area shows a table of resources. The 'Add' button is highlighted, and the dropdown menu is open, showing 'Agent resources from local disk' as the selected option. The table below lists various resources.

		Version	Last Update	Description	
<input type="checkbox"/>	Agent resources from Cisco site				
<input type="checkbox"/>	Agent resources from local disk	oTemporalAgent...	4.10.2051.0	2021/08/09 13:12:31	With CM: 4.3.1858.4353
<input type="checkbox"/>	Native Supplicant Profile	ve Supplicant Pro...	Not Applic...	2016/10/06 14:01:12	Pre-configured Native S...
<input type="checkbox"/>	AnyConnect Configuration	oAgentlessOSX	4.10.2051.0	2021/08/09 13:12:36	With CM: 4.3.1858.4353
<input type="checkbox"/>	AnyConnect Posture Profile	OsXSPWizard	2.7.0.1	2021/08/09 13:12:27	Supplicant Provisioning ...
<input type="checkbox"/>	AMP Enabler Profile	oAgentlessWind...	4.10.2051.0	2021/08/09 13:12:33	With CM: 4.3.2227.6145
<input type="checkbox"/>	Cisco-ISE-NSP	Native Supplicant Pro...	Not Applic...	2016/10/06 14:01:12	Pre-configured Native S...
<input type="checkbox"/>	WinSPWizard 3.0.0.3	WinSPWizard	3.0.0.3	2021/08/09 13:12:27	Supplicant Provisioning ...
<input type="checkbox"/>	CiscoTemporalAgentWindo...	CiscoTemporalAgent...	4.10.2051.0	2021/08/09 13:12:28	With CM: 4.3.2227.6145

2. Select **Cisco Provided Package > Choose File**, upload the AnyConnect Headend Deployment Package, and click **Submit** and **Confirm**.

Cisco ISE

Work Centers · Posture

Overview

Network Devices

Client Provisioning

Policy Elements

Posture Policy

Policy Sets

Troubleshoot

Reports

Settings

Client Provisioning Policy

Resources

Client Provisioning Portal

Agent Resources From Local Disk > Agent Resources From Local Disk

Agent Resources From Local Disk

Category

Cisco Provided Package

Choose File

anyconnect-w...eploy-k9.pkg

AnyConnect Uploaded Resources

Name	Type	Version	Description
AnyConnectDesktopWindow...	AnyConnectDesktop...	4.10.6090.0	AnyConnect Secure Mob...

Submit

Cancel

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3. Repeat the process to upload the ISE Posture Compliance Library:

- Select**Cisco Provided Package** > **Choose File**, upload the ISE Posture Compliance Library,

Cisco ISE

Work Centers · Posture

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Client Provisioning Portal

Agent Resources From Local Disk > Agent Resources From Local Disk

Agent Resources From Local Disk

Category

Cisco Provided Package

Choose File

cisco-secure-...eploy-k9.pkg

AnyConnect Uploaded Resources

Name	Type	Version	Description
AnyConnectComplianceMod...	AnyConnectComplan...	4.3.3335...	Cisco Secure Client Win...

Submit

Cancel

and click**Submit**and**Confirm**.

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4. Upload the OrgInfo.json profile:

- Select**Customer Created Package** > Select **AnyConnect Profile** > **Add Name** > **Choose File** > **OrgInfo.json** > **Submit**.

Cisco ISE

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Settings

Client Provisioning Policy

Resources

Client Provisioning Portal

Agent Resources From Local Disk > Agent Resources From Local Disk

Agent Resources From Local Disk

Category

Customer Created Packs

Type

AnyConnect Profile

* Name

Umbrella Profile

Description

Choose File

OrgInfo.json

Submit

Cancel

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5. Add the AnyConnect Posture Profile:

- Go to **Work Centers > Posture > Client Provisioning > Resources > Add > AnyConnect Posture Profile**.

Cisco ISE

Work Centers · Posture

Overview

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Resources

Client Provisioning Portal

Resources

Edit

+ Add

Duplicate

Delete

		Version	Last Update	Description	
<input type="checkbox"/>	Agent resources from Cisco site				
<input type="checkbox"/>	Agent resources from local disk				
<input type="checkbox"/>	Native Supplicant Profile				
<input type="checkbox"/>	AnyConnect Configuration				
<input type="checkbox"/>	AnyConnect Posture Profile				
<input type="checkbox"/>	AMP Enabler Profile				
<input type="checkbox"/>	MacOsXSPWizard 2.7.0.1	MacOsXSPWizard	2.7.0.1	2021/08/09 13:12:27	Supplicant Provisioning ...
<input type="checkbox"/>	CiscoAgentlessWindows 4.1...	CiscoAgentlessWind...	4.10.2051.0	2021/08/09 13:12:33	With CM: 4.3.2227.6145
<input type="checkbox"/>	AnyConnectComplianceMod...	AnyConnectComplian...	4.3.3335....	2023/02/17 15:00:57	Cisco Secure Client Win...
<input type="checkbox"/>	Cisco-ISE-NSP	Native Supplicant Pro...	Not Applic...	2016/10/06 14:01:12	Pre-configured Native S...
<input type="checkbox"/>	WinSPWizard 3.0.0.3	WinSPWizard	3.0.0.3	2021/08/09 13:12:27	Supplicant Provisioning ...
<input type="checkbox"/>	CiscoTemporalAgentWindo...	CiscoTemporalAgent...	4.10.2051.0	2021/08/09 13:12:28	With CM: 4.3.2227.6145

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- Add a profile name and server name rules (wildcarded, comma-separated names that define the

servers that the agent can connect to for example,*.cisco.com), then click**Submit**.

Cisco ISE

Work Centers · Posture

OverviewNetwork DevicesClient ProvisioningPolicy ElementsPosture PolicyPolicy SetsTroubleshootReportsSettings

Client Provisioning Policy

Resources

Client Provisioning Portal

ISE Posture Agent Profile Settings > New Profile

AnyConnect Posture Profile

Name *

Posture Profile

Description:

Agent Behavior

Parameter	Value
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Cisco ISE

Work Centers · Posture

OverviewNetwork DevicesClient ProvisioningPolicy ElementsPosture PolicyPolicy SetsTroubleshootReportsSettings

Client Provisioning Policy

Resources

Client Provisioning Portal

Posture Protocol

Parameter	Value
PRA retransmission time	120secs
Retransmission Delay ⓘ	60secs
Retransmission Limit ⓘ	4
Discovery host ⓘ	
Discovery Backup Server List ⓘ	Choose
Server name rules * ⓘ	*.dacabrer.lab
Call Home List ⓘ	
Back-off Timer ⓘ	30secs

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6. Add AnyConnect Configuration:
- Navigate to**Work Centers > Posture > Client Provisioning > Resources > Add > AnyConnect Configuration**.

Cisco ISE Work Centers - Posture

Overview Network Devices **Client Provisioning** Policy Elements Posture Policy Policy Sets Troubleshoot Reports Settings

Client Provisioning Policy

Resources

Client Provisioning Portal

Resources

Edit Add Duplicate Delete

		Version	Last Update	Description	
<input type="checkbox"/>	Agent resources from Cisco site				
<input type="checkbox"/>	Agent resources from local disk				
<input type="checkbox"/>	Native Supplicant Profile	ConnectDesktop...	4.10.6090.0	2023/02/17 15:00:34	AnyConnect Secure Mob...
<input type="checkbox"/>	AnyConnect Configuration	ConnectProfile	Not Applic...	2023/02/17 15:00:16	
<input type="checkbox"/>	AnyConnect Posture Profile	ConnectProfile	Not Applic...	2023/02/17 15:03:12	
<input type="checkbox"/>	AMP Enabler Profile	oTemporalAgent...	4.10.2051.0	2021/08/09 13:12:31	With CM: 4.3.1858.4353
<input type="checkbox"/>	CiscoTemporalAgentWindo...	CiscoTemporalAgent...	4.10.2051.0	2021/08/09 13:12:28	With CM: 4.3.2227.6145
<input type="checkbox"/>	CiscoAgentlessOSX 4.10.02...	CiscoAgentlessOSX	4.10.2051.0	2021/08/09 13:12:36	With CM: 4.3.1858.4353
<input type="checkbox"/>	CiscoAgentlessWindows 4.1...	CiscoAgentlessWind...	4.10.2051.0	2021/08/09 13:12:33	With CM: 4.3.2227.6145
<input type="checkbox"/>	MacOsXSPWizard 2.7.0.1	MacOsXSPWizard	2.7.0.1	2021/08/09 13:12:27	Supplicant Provisioning ...
<input type="checkbox"/>	Cisco-ISE-Chrome-NSP	Native Supplicant Pro...	Not Applic...	2016/10/06 14:01:12	Pre-configured Native S...
<input type="checkbox"/>	Cisco-ISE-NSP	Native Supplicant Pro...	Not Applic...	2016/10/06 14:01:12	Pre-configured Native S...
<input type="checkbox"/>	WinSPWizard 3.0.0.3	WinSPWizard	3.0.0.3	2021/08/09 13:12:27	Supplicant Provisioning ...

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- Select the AnyConnect Package, add a configuration name, select the Compliance Package, choose the AnyConnect Modules (Umbrella and Diagnostic), select the ISE Profile, select the

Cisco ISE Work Centers - Posture

Overview Network Devices **Client Provisioning** Policy Elements Posture Policy Policy Sets Troubleshoot Reports Settings

Client Provisioning Policy

Resources

Client Provisioning Portal

AnyConnect Configuration > New AnyConnect Configuration

* Select AnyConnect Package: AnyConnectDesktopWindows 4.10.6090v

* Configuration Name: AnyConnect Configuration

Description:

Description Value Notes

* Compliance Module: CiscoSecureClientComplianceModuleW

AnyConnect Module Selection

ISE Posture ☒

VPN ☐

Network Access Manager ☐

AMP Enabler ☐

ASA Posture ☐

Network Visibility ☐

Umbrella Roaming Security ☒

Start Before Logon ☐

Diagnostic and Reporting Tool ☒

Profile Selection

* ISE Posture: Posture Profile

VPN:

Network Access Manager:

AMP Enabler:

Network Visibility:

Umbrella Roaming Security: Umbrella Profile

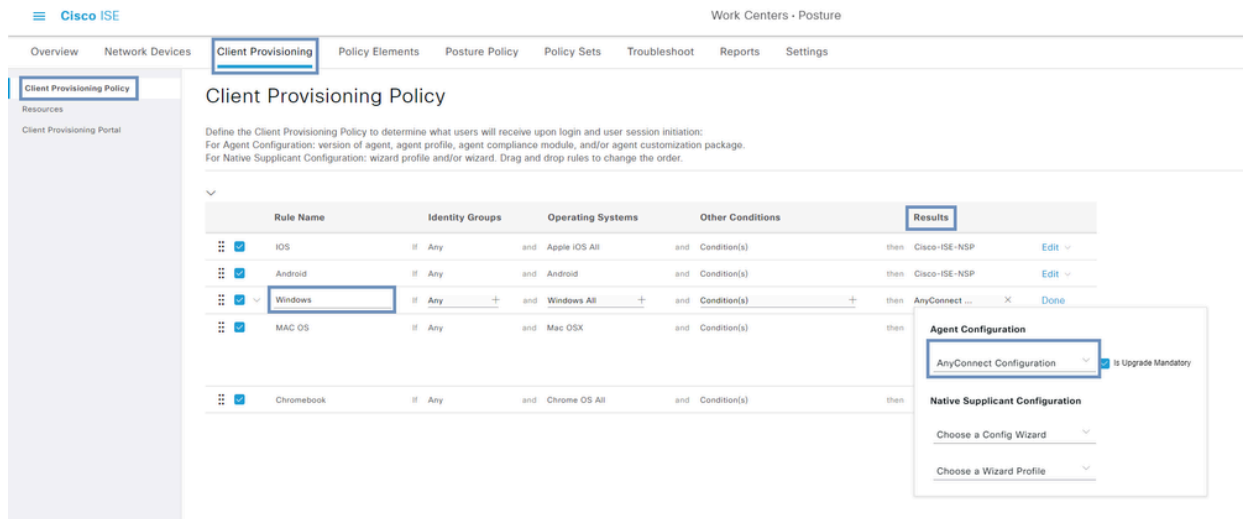
Customer Feedback:

Umbrella Profile, and click **Submit**.

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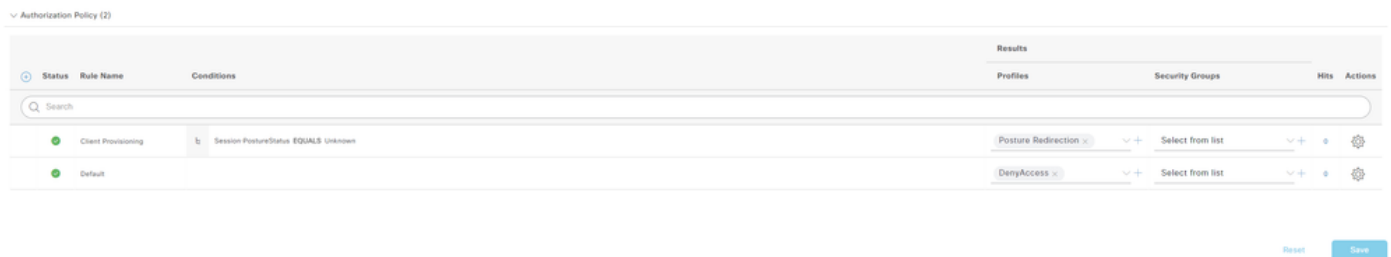
7. Assign the AnyConnect Configuration to the Client Provisioning Policy:

- Go to **Work Centers > Posture > Client Provisioning > Client Provisioning Policy**.



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- Edit the policy and under **Results**, add the AnyConnect Configuration, then click **Save**.
8. Create an Authorization Policy to redirect clients to the Client Provisioning Portal. (This step is outside the scope of this guide.)



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Client side Configuration

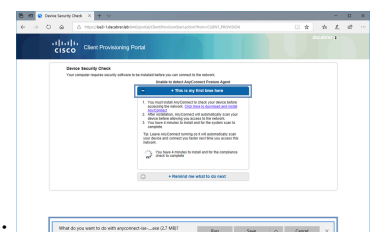
1. Once the client is able to get the redirection from the Client Provisioning Portal click **Start**:

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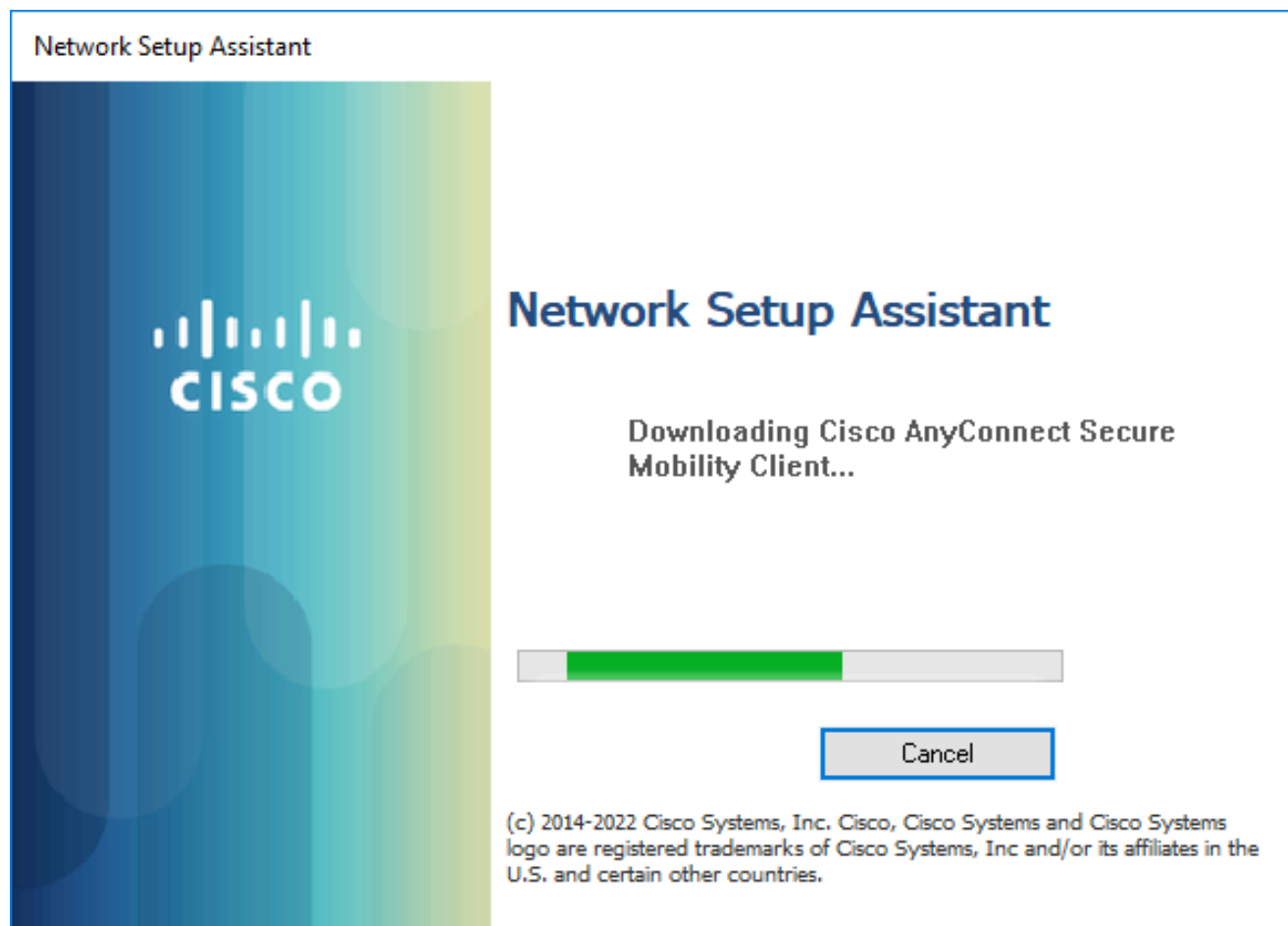


2. Select **This is my first time here** and it begins downloading AnyConnect:

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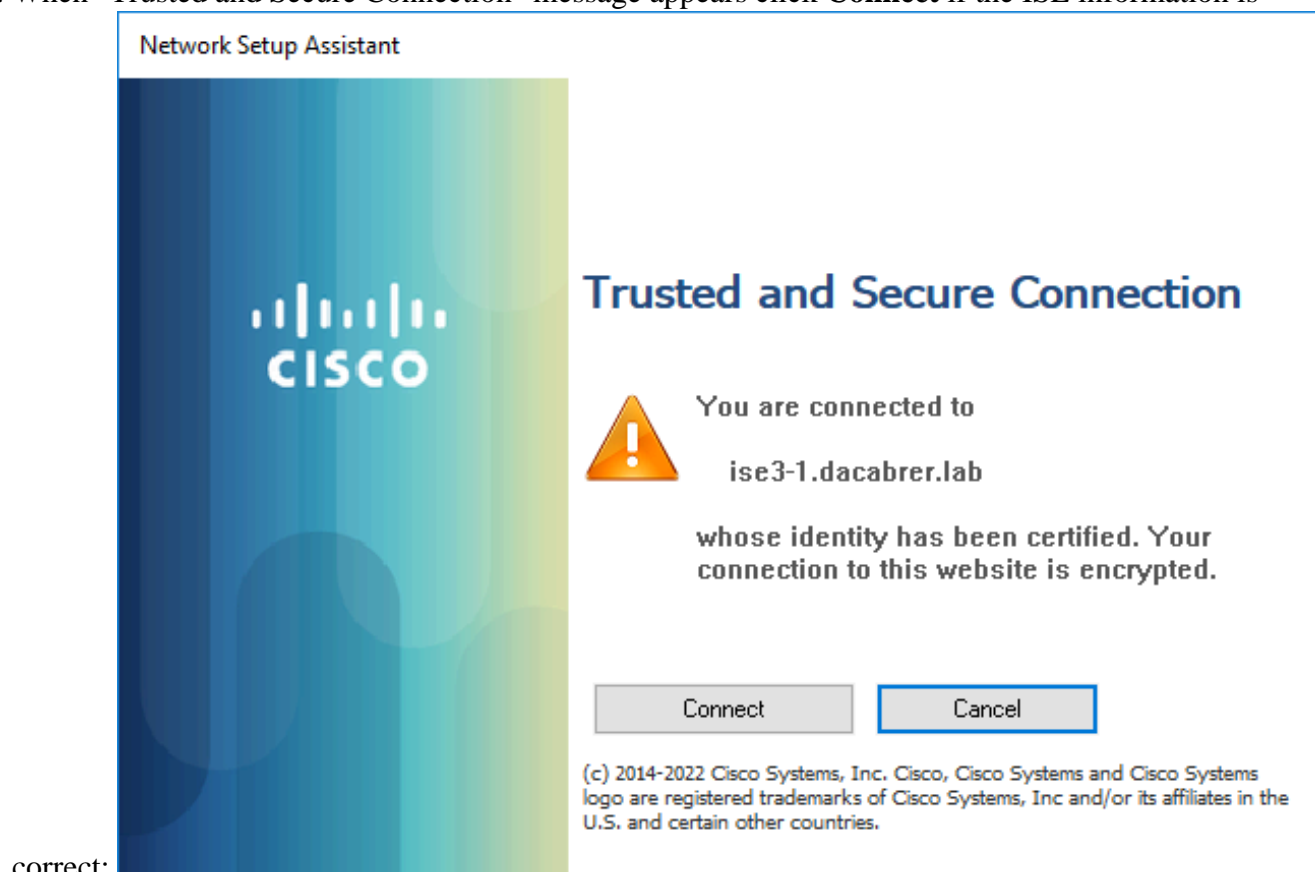


3. Open/run the downloaded file and it starts the process:

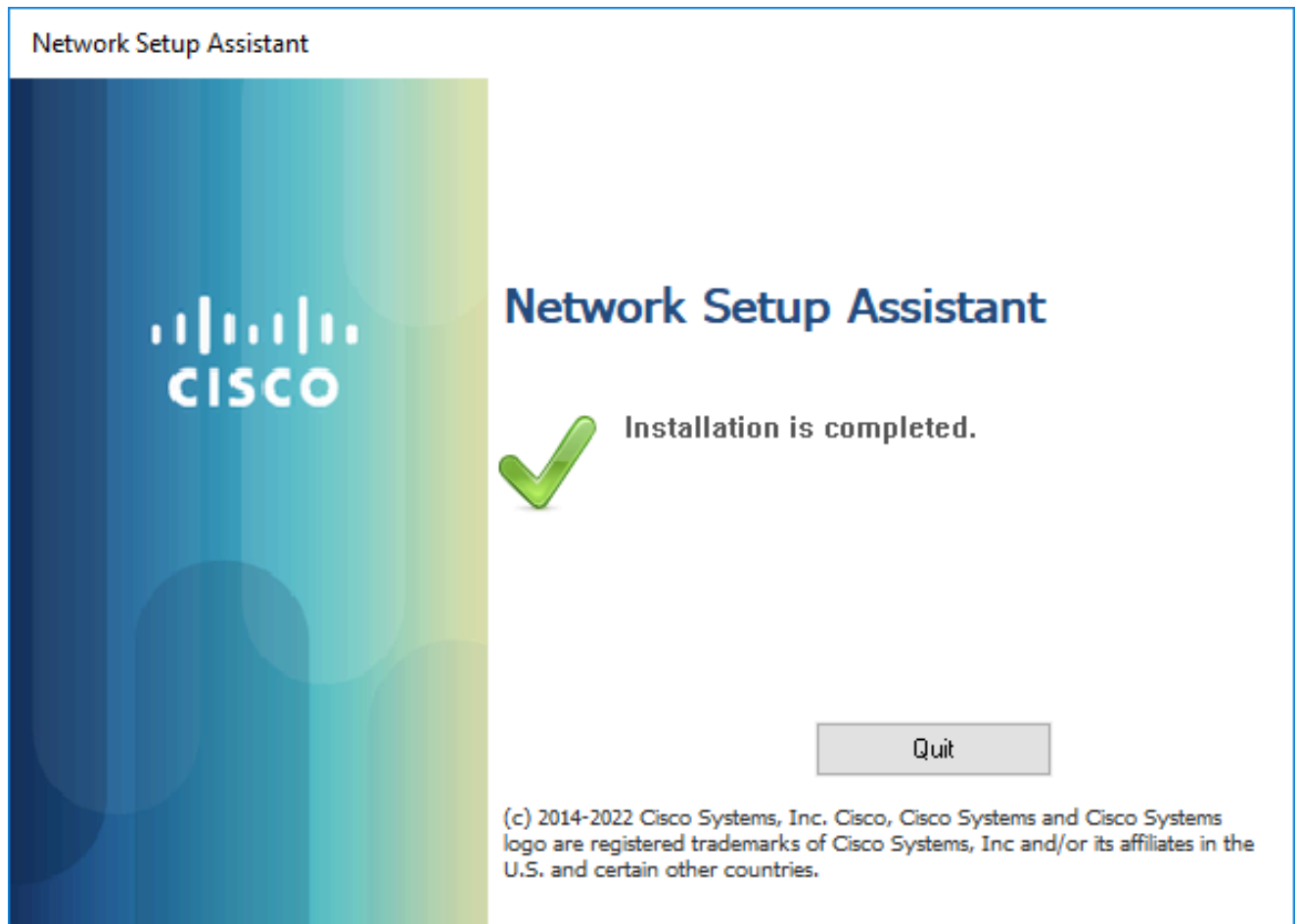


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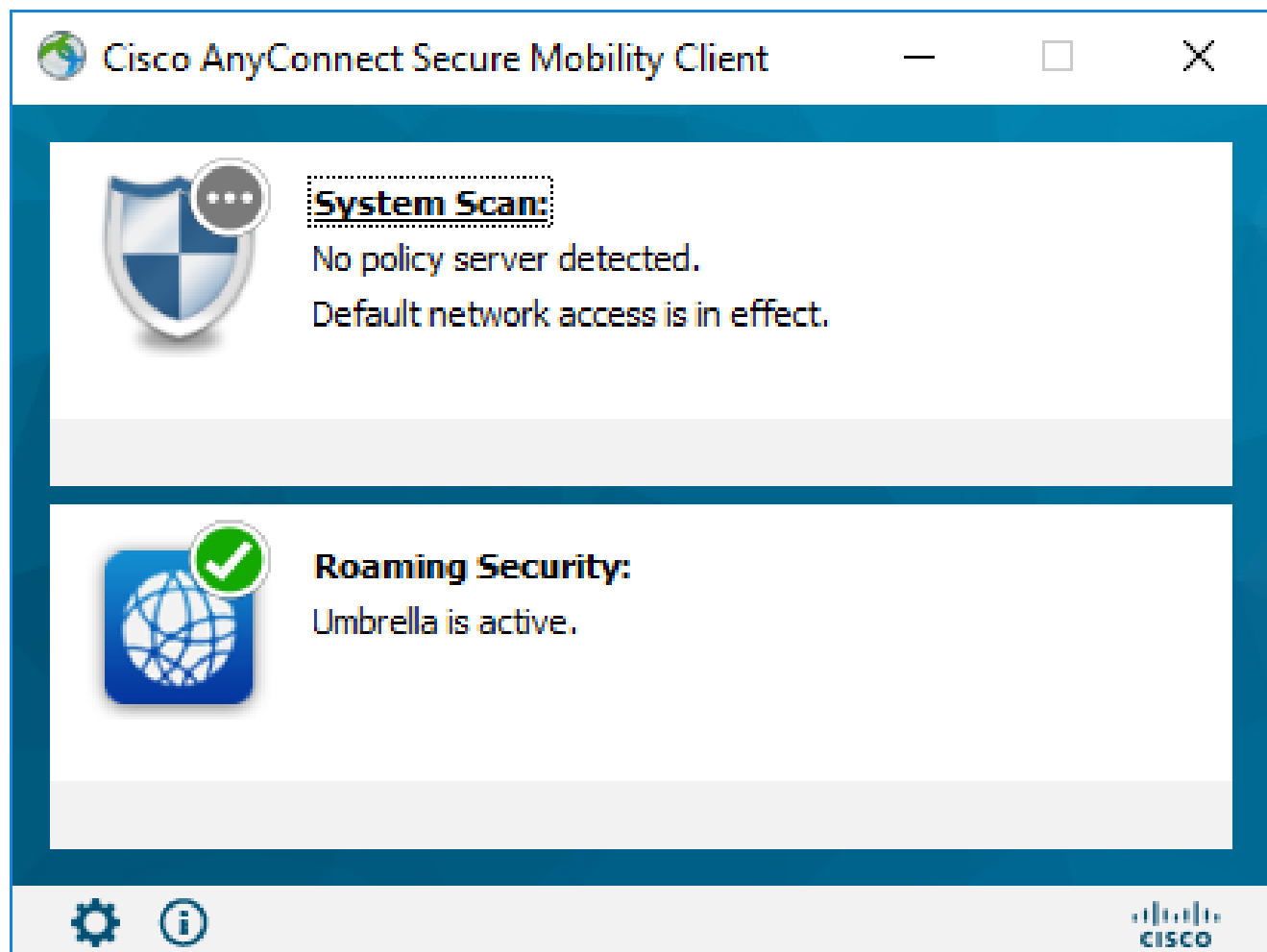
4. When "Trusted and Secure Connection" message appears click **Connect** if the ISE information is



5. Once the "Installation is completed" message appears click **Quit**:



6. You can close all other windows. Umbrella has been installed, plus the ISE Posture module:



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