

Cisco Secure Client

Technical Deep Dive

Bill Yazji

Technical Security Architect

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cisco Live !

Abstract

We have all heard the complaints or did the complaining ourselves: "Cisco has too many agents". Come learn from Bill Yazji, while he shows you that Cisco has listened to the complaints and delivered a unified security agent called Cisco Secure Client.

Cisco Secure Client (CSC) provides a modular framework allowing for AnyConnect VPN, Cisco Secure Endpoint (formerly AMP for Endpoints), Network Visibility Module, Umbrella Cloud Security, ISE Posture, Secure Firewall Posture (formerly Hostscan) and the Network Access Module (NAM) to all exist together; with a modern cloud-based management coming from Cisco XDR - connected intimately with XDR device insights.

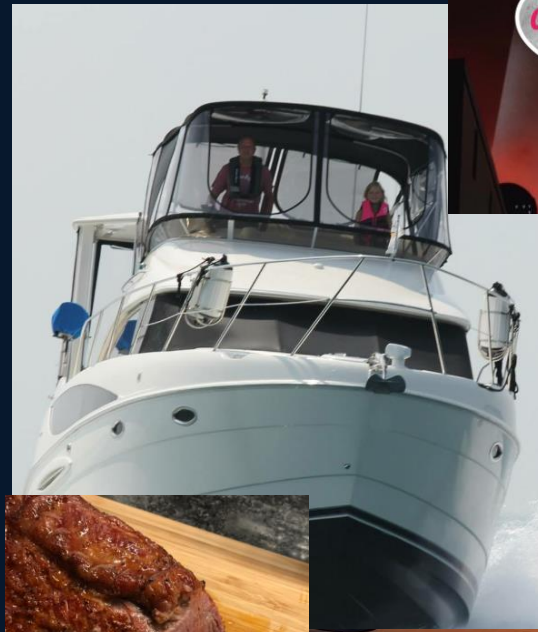
In this session, we will dive into the technology behind the Secure Client, how things really work and how they do not. We will cover deployments models from the cloud and using your own software deployment mechanisms. We will learn all about the seamless upgrade flows from existing AnyConnect and Secure Endpoint (AMP) agents. We will talk about scenarios where it makes sense to upgrade to CSC and scenarios where it truly benefits you to stay with the existing AnyConnect and Secure Endpoint (AMP) agents - at least for now.

#me :: “the work”

- Technical Solutions Architect
- Over 15 years with Cisco and nearly 26 years of security, cloud and networking experience
- Heavily involved in internal Champion programs for SSE and XDR products
- Prior to Cisco...
 - Cisco competitor in Web Security space
 - Network and Security Consultant on the customer side
 - Large design, deployment, integration and troubleshooting focus



#me :: “the not work”



STATE



Cisco Webex App

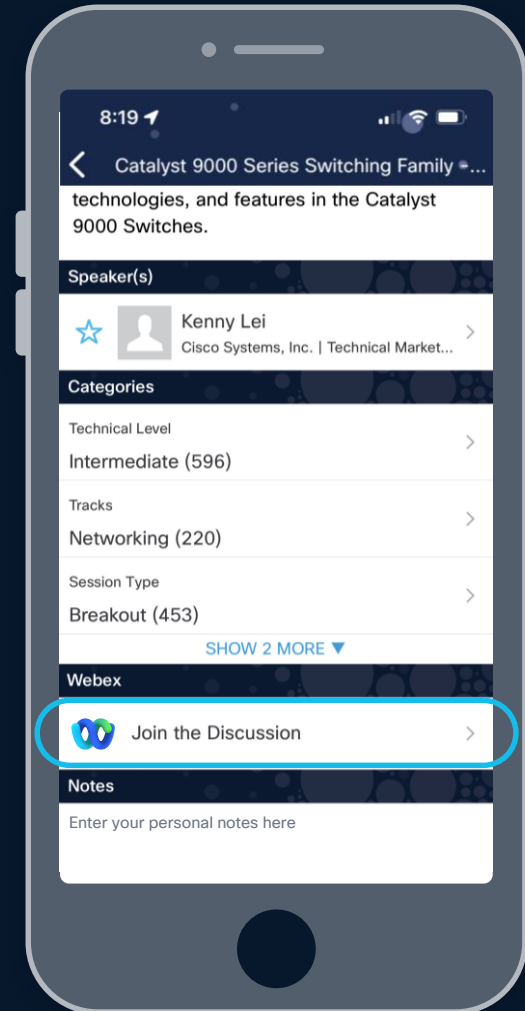
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- A Find this session in the Cisco Live Mobile App
- C Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- B Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until June 13, 2025.



<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKSEC-2894>

Important: Hidden Slide Alert



There are hidden slides with additional information



For Your Reference

Surveys are important...



Drop your email in the comments – I WILL respond!

Agenda

- 01 **CSC Overview**
- 02 CSC Architecture
- 03 Cloud Deployment & Management
- 04 Upgrading to CSC
- 05 FAQs, Tips and Tricks

**“I want to install &
support another agent
on my end user
workstations”**

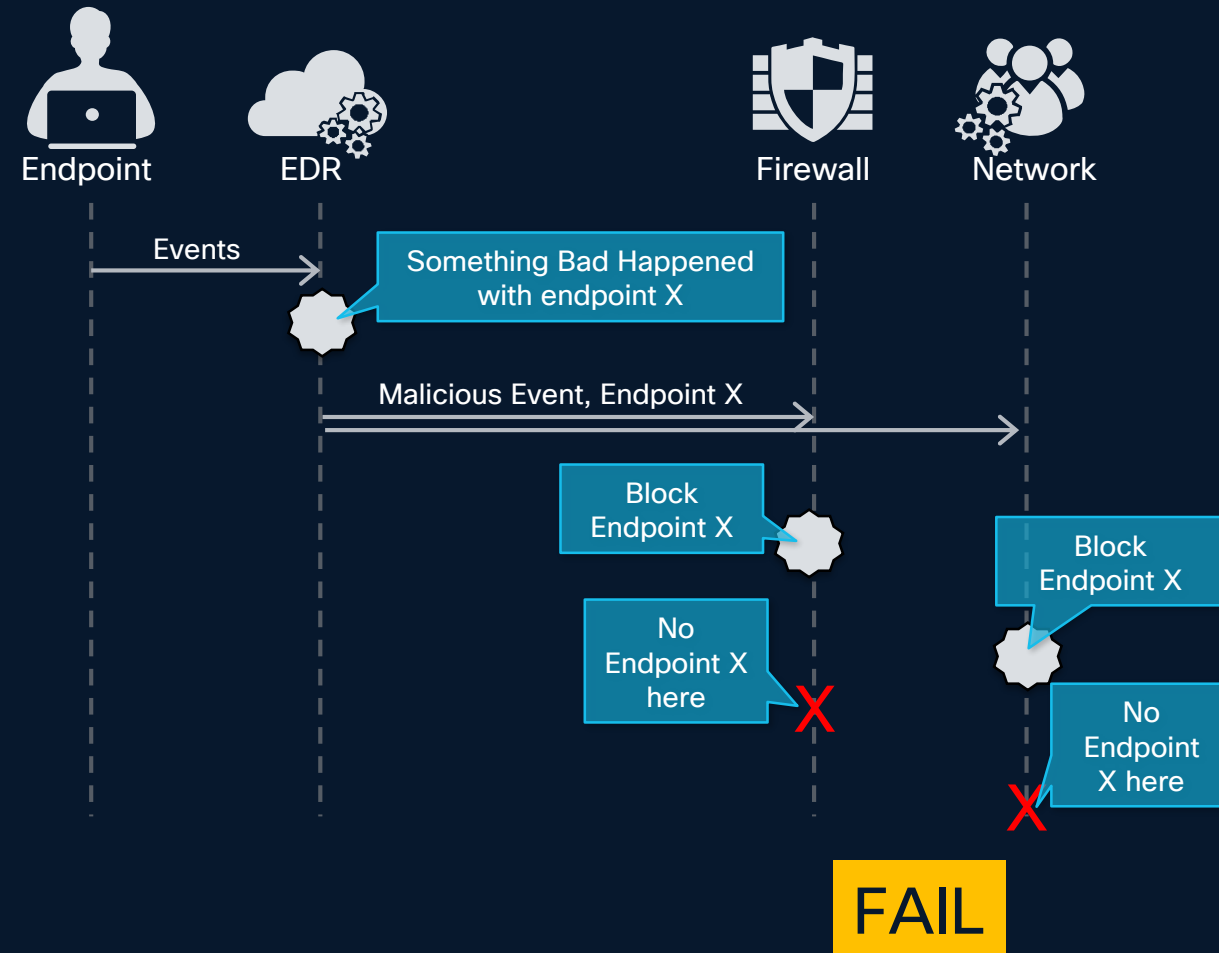
- No one, ever...

Why build a unified security agent?

- Our customers have identified operational challenges with deploying multiple endpoint agents (e.g., AnyConnect, Secure Endpoint, Orbital, Umbrella, Duo, Tetration, Meraki SM, Thousand Eyes, etc.)
- These operational challenges limit ability to deploy and consume various endpoint security functions
- Delivering a unified endpoint agent addresses a key customer operational pain point and meets customer demand

But also...

- SIEM & SOAR are guilty as well
- Each product views endpoint in its own way.
 - GUID (specific to product)
 - IP Address (ephemeral & changes all the time)
 - MAC Address (ephemeral, private, unavailable, duplicative)
 - Hostnames, serial number, more more more...
- Making the products work together is a challenge



We need a common endpoint “object”

We are doing two things about this

1. Cisco Secure Client

- Bringing together Cisco Security tools in a single managed package

2. Device Insights

- Normalizes, De-duplicates and correlates to create a common endpoint object from integrated sources



Shameless plug..

Device Insights

- Normalizes, De-duplicates and correlates to create a common endpoint object from integrated sources



Aaron Woland
Distinguished
Engineer

Making XDR Investigations and SOAR
Automation Work by Unifying Assets

BRKSEC-2754

On-Demand / Amsterdam 2023

On-Demand / Melbourne 2022

Our current endpoint security offering is confusing

	Windows	macOS	Android	iOS	Linux
RA VPN Connectivity	AnyConnect / DuoConnect	AnyConnect / DuoConnect	AnyConnect	AnyConnect	AnyConnect / DuoConnect
Malware Protection / EDR	AMPBE / Tetration Agent	AMPBE	AMPBE	-	AMPBE / Tetration Agent
Visibility / Telemetry	AnyConnect NVM / Tetration Agent / AKEyes	AnyConnect NVM / Tetration Agent / AKEyes	AnyConnect NVM (Knox)	Cisco Security Connector (CSC)	AnyConnect NVM / Tetration Agent / AKEyes
Posture	AnyConnect / Duo Health	AnyConnect / Duo Health	Duo (limited)	Duo (limited)	AnyConnect (ASA) not ISE
Umbrella (DNS)	ERC / AnyConnect	ERC / AnyConnect	AnyConnect	Cisco Security Connector (CSC)	-
Umbrella (SWG)	AnyConnect	AnyConnect	-	-	-

Some basics/history



- Unified agent – Windows (amd64/arm64) and macOS (amd64/arm64)
- Windows > Mac > iOS > Android > Linux
- Seamless upgrade from existing AnyConnect & Secure Endpoint [AMP for Endpoint] Clients to Cisco Secure Client
- Leverages Existing AnyConnect (AC) Framework
 - AC UI is starting point for new shared UI
 - AC already had modules for many services
 - Core AC services, such as trusted network detection, become available as common services for all modules
- Cloud management continued improvements
 - Hosted in XDR and Secure Client Cloud Management

Some basics/history



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Cool Stuff



AnyConnect 4.x: End of Life Announcement

- Software maintenance for 4.x software releases ended **March 31, 2024**. No patches or maintenance releases will be provided for AnyConnect 4.x releases after this date.
- Application software support will not be available beyond **March 31, 2027**.
- Software maintenance and application software support requires an active term license or active service contract for perpetual licenses. After these dates, all support services for the product are unavailable and the product becomes obsolete.
- <https://www.cisco.com/c/en/us/products/collateral/security/anyconnect-secure-mobility-client/anyconnect-secure-mobility-client-v4x-eol.html>

We used to go around the world stating:



AnyConnect

is
more
than

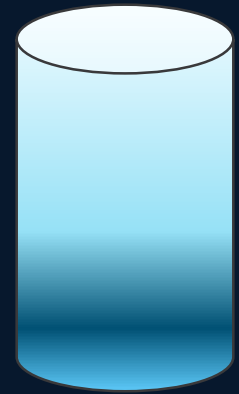


The Reality...



Secure Client

is
wayyyyyyyyy
more
than



VPN

One client, multiple functions



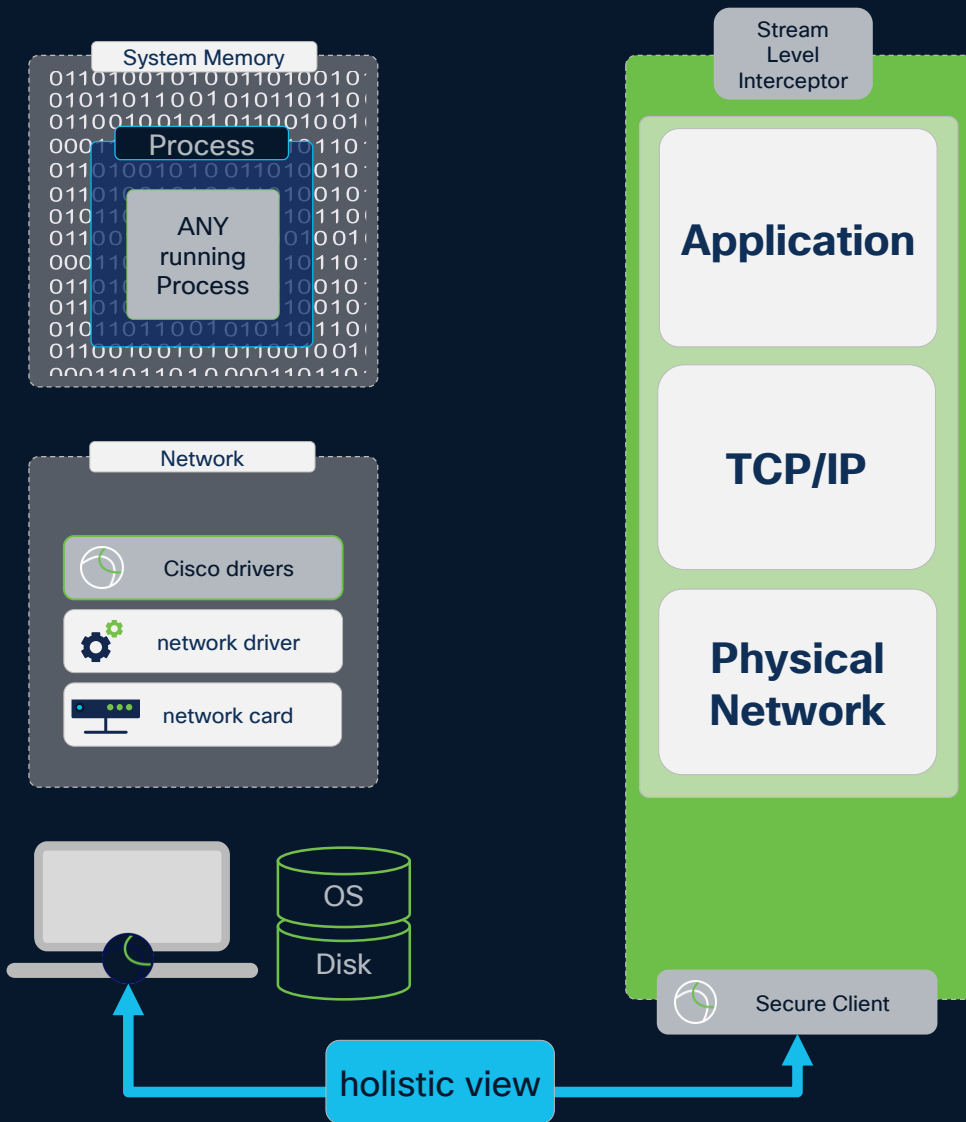
Cisco Secure Client

Suite of security service modules

- Modules with UI Tile
- Plus modules with no UI Tile:
 - Cloud Management Module
 - Secure Firewall Posture (aka: HostScan)
 - Network Visibility Module (NVM)
 - Thousand Eyes
 - Diagnostics and Reporting Tool (DART)
 - Orbital
 - Forensics

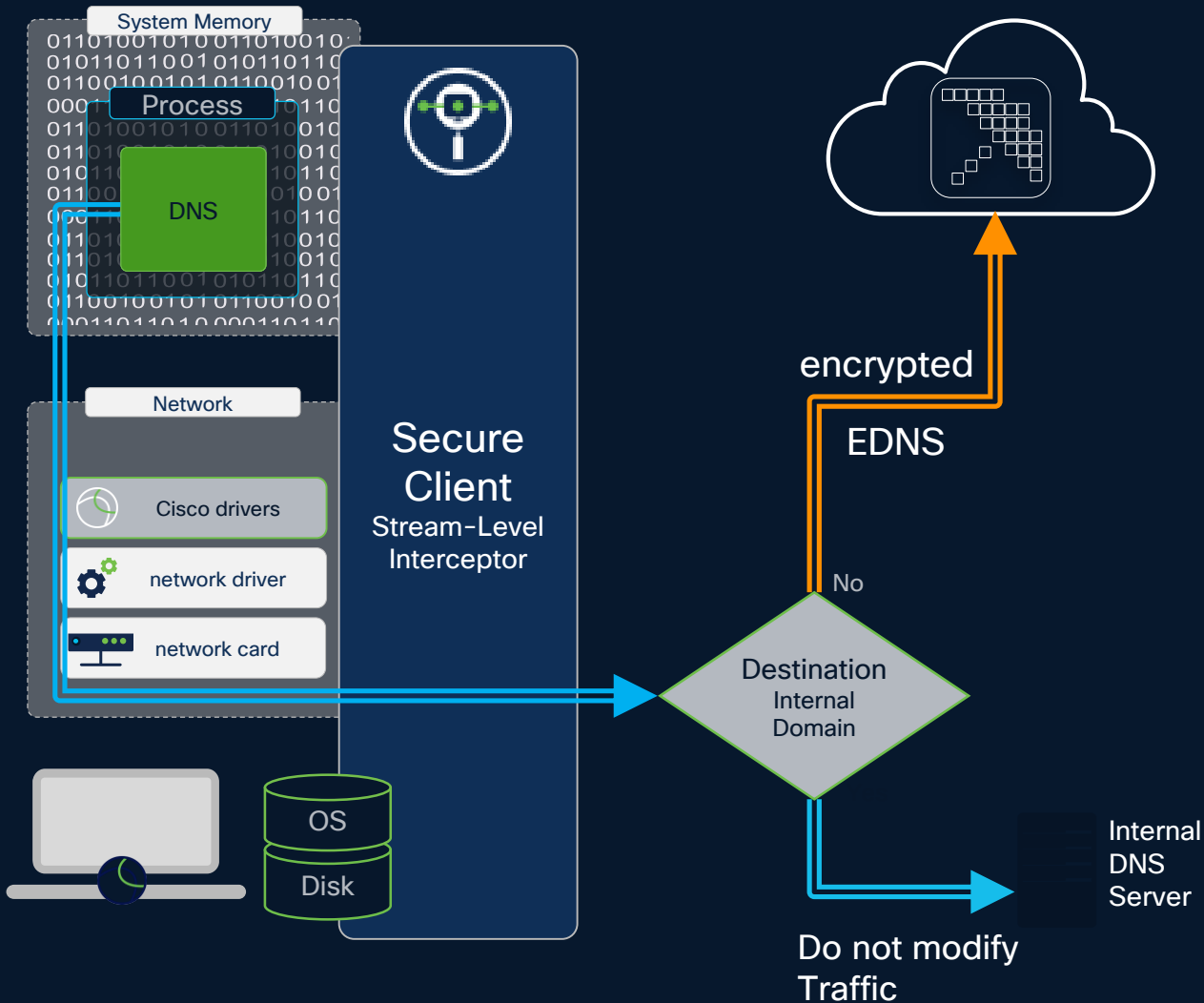


Stream Level Interceptor



- ▶ The **Stream Level Interceptor** included in Secure Client enables a full holistic, pre-encrypted view on the endpoint network activity
- ▶ This core function from Cisco Secure Client makes the solution so powerful
- ▶ It enables other modules like the **Umbrella Module** or/and **NVM** to work
- ▶ This holistic view examines & manipulates information for any network communication
 - ▶ **from the running application**
 - ▶ **to the physical network layer**

Stream Level Interceptor

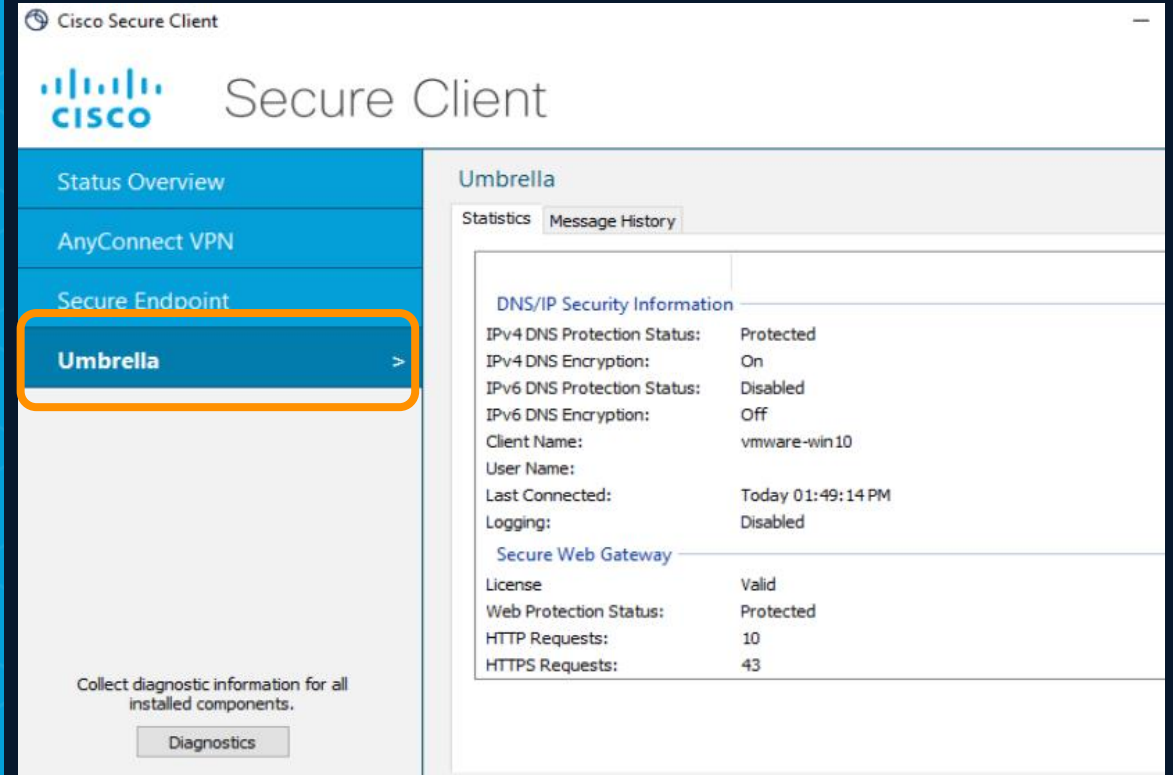
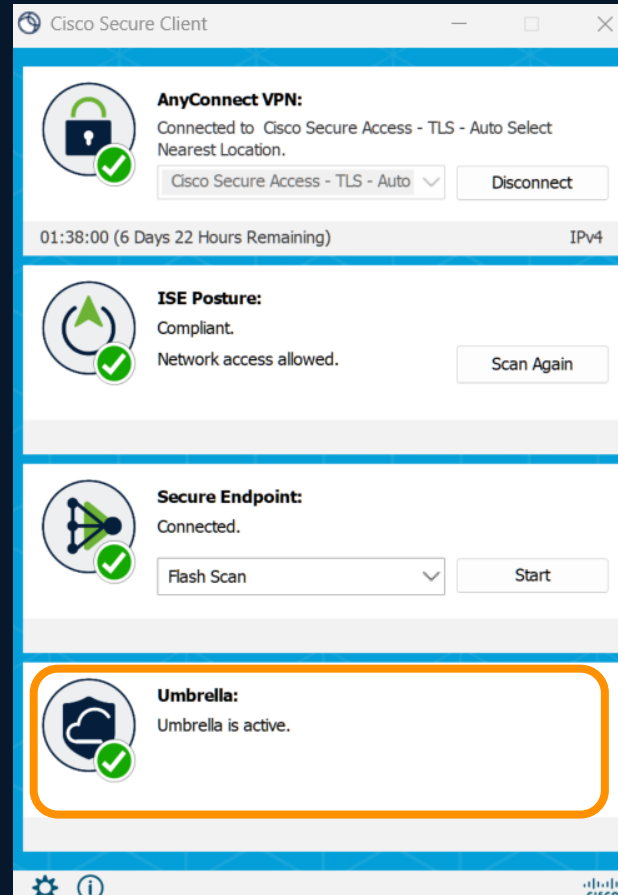


- Umbrella (DNS) Example:
 - DNS Request Sent Down the Stack:
 - DNS identified in the stream
 - From Chrome
 - User was Lee (employee)
 - Destination checked against Umbrella Policy
 - Internal Domain – Leave untouched
 - External Domain – Modify the DNS Traffic
 - Wrap request in EDNS
 - Insert Identity Data for Umbrella
 - Encrypt
 - Ship it off to the Umbrella Resolver

Umbrella Module

Same Umbrella Roaming from AnyConnect:

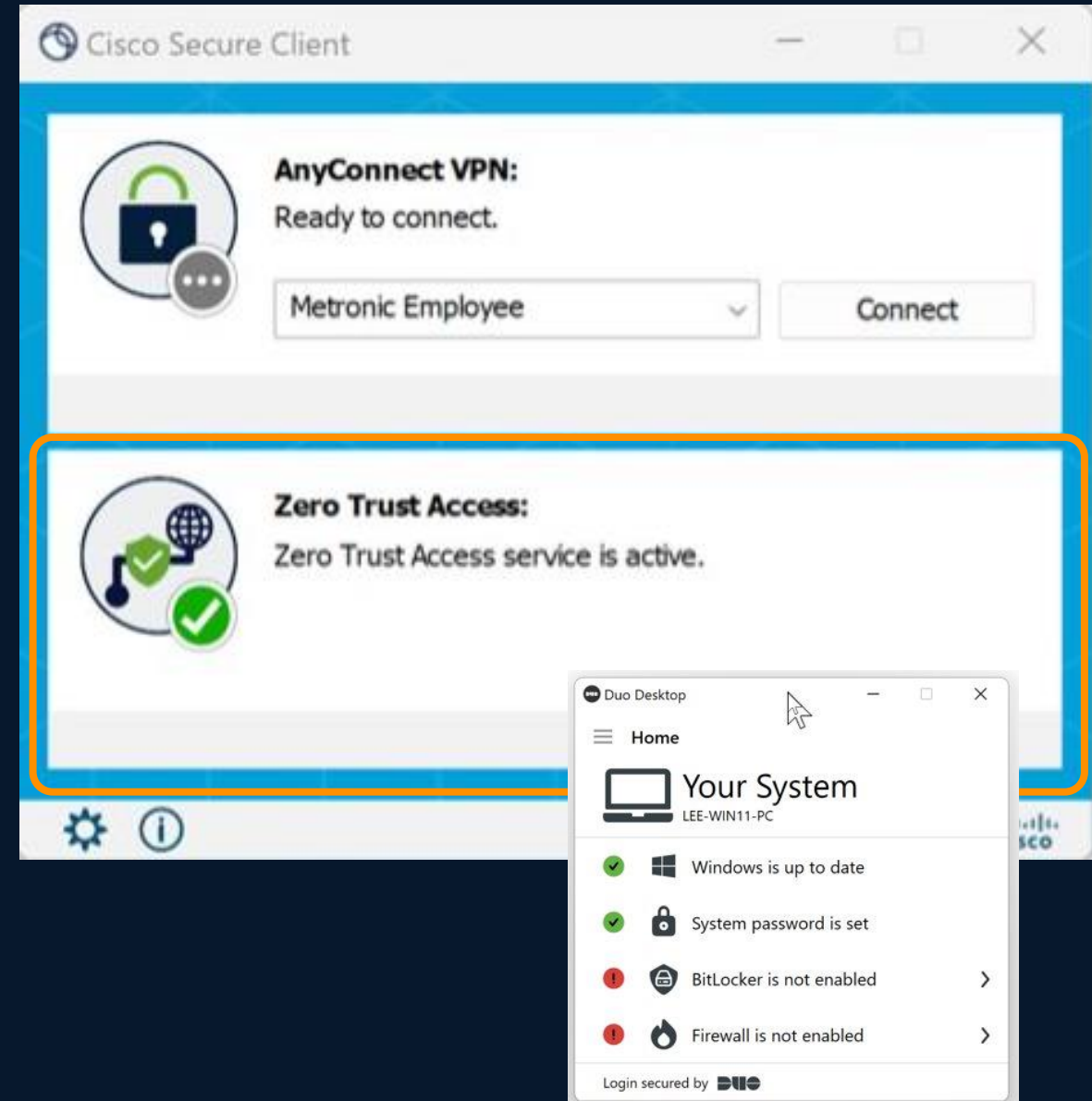
- Umbrella DNS
- Umbrella Secure Web Gateway
- Secure Access



ZTA Module

Dedicated module for **Secure Access**

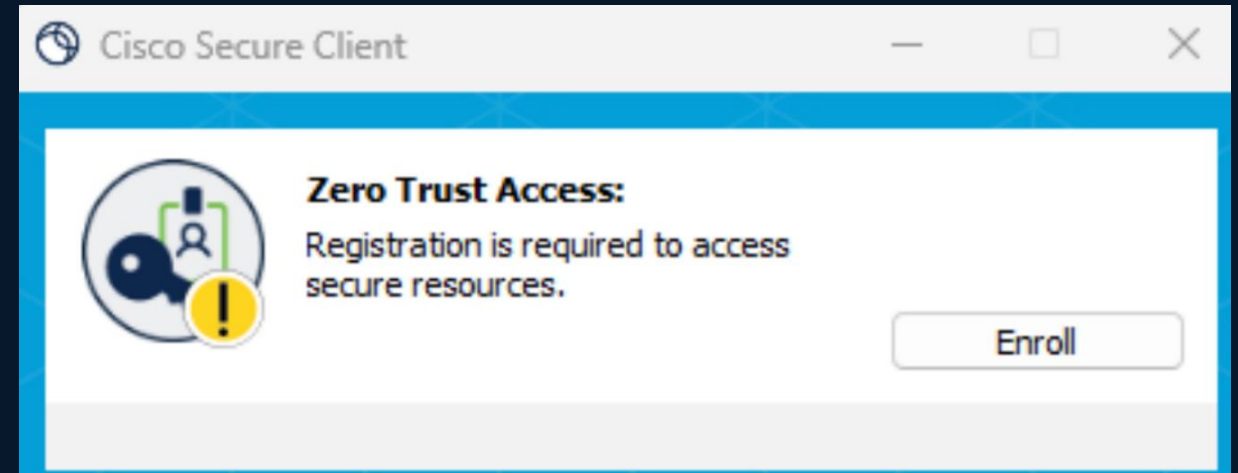
- Side-loads the Duo Desktop
 - (formerly Duo Health Agent)
- Zero Trust has ability to use **MASQUE** + **QUIC** for seamless transport



ZTA Module

For Cisco Secure Access

- Manual Enrollment
 - Simply login, and it gets all the config
- Certificate Enrollment
 - Push configuration at time of deployment
- ZTA Module available in Cloud Management for deployment



Cisco Zero Trust Access Options

	Secure Firewall	Cisco Secure Access
Hosting	Hardware or VM	
Type	Clientless	
Client	Web Browser	
Supported Traffic	Client-to-server	
Supported Apps	HTTPS	
Client Protocol(s)	TLS	
Device Posture	None (Use Duo)	
Per-App Controls	TLS Decrypt, IPS, Anti-Malware	

New Cisco Zero Trust Access Options

	Secure Firewall	Cisco Secure Access		
Hosting	Hardware or VM	SaaS		
Type	Clientless	Clientless	Client-Based	
Client	Web Browser	Web Browser	ZTA Module OS Native Clients	VPN Module
Supported Traffic	Client-to-server	Client-to-server	Client-to-server	Client-to-server, Client-to-client, Server-to-client
Supported Apps	HTTPS	HTTP, HTTPS	TCP & UDP, RDP, SSH	TCP, UDP & ICMP
Client Protocol(s)	TLS	TLS	MASQUE over QUIC or TLS	TLS, DTLS, IPSec
Device Posture	None (Use Duo)	Per-Rule	Per-Rule	On Connect
Per-App Controls	TLS Decrypt, IPS, Anti-Malware	User/Group-Based Access Control, TLS Decrypt, IPS		

...we pause for a shameless plug



Steven Chimes
Security Architect

Zero Trust Access (ZTA)
Demystified – The Cisco
Technologies That Make
Frictionless Security Possible

BRKSEC-2079

On-Demand

(Las Vegas 2024)

Vinny Parla
Principal Architect

Deep Dive into Cisco's Use of
QUIC, MASQUE and OS Native
Capability to deliver frictionless
Zero Trust Access

BRKSEC-3027

Tuesday, June 10



Jonny Noble
Technical Marketing

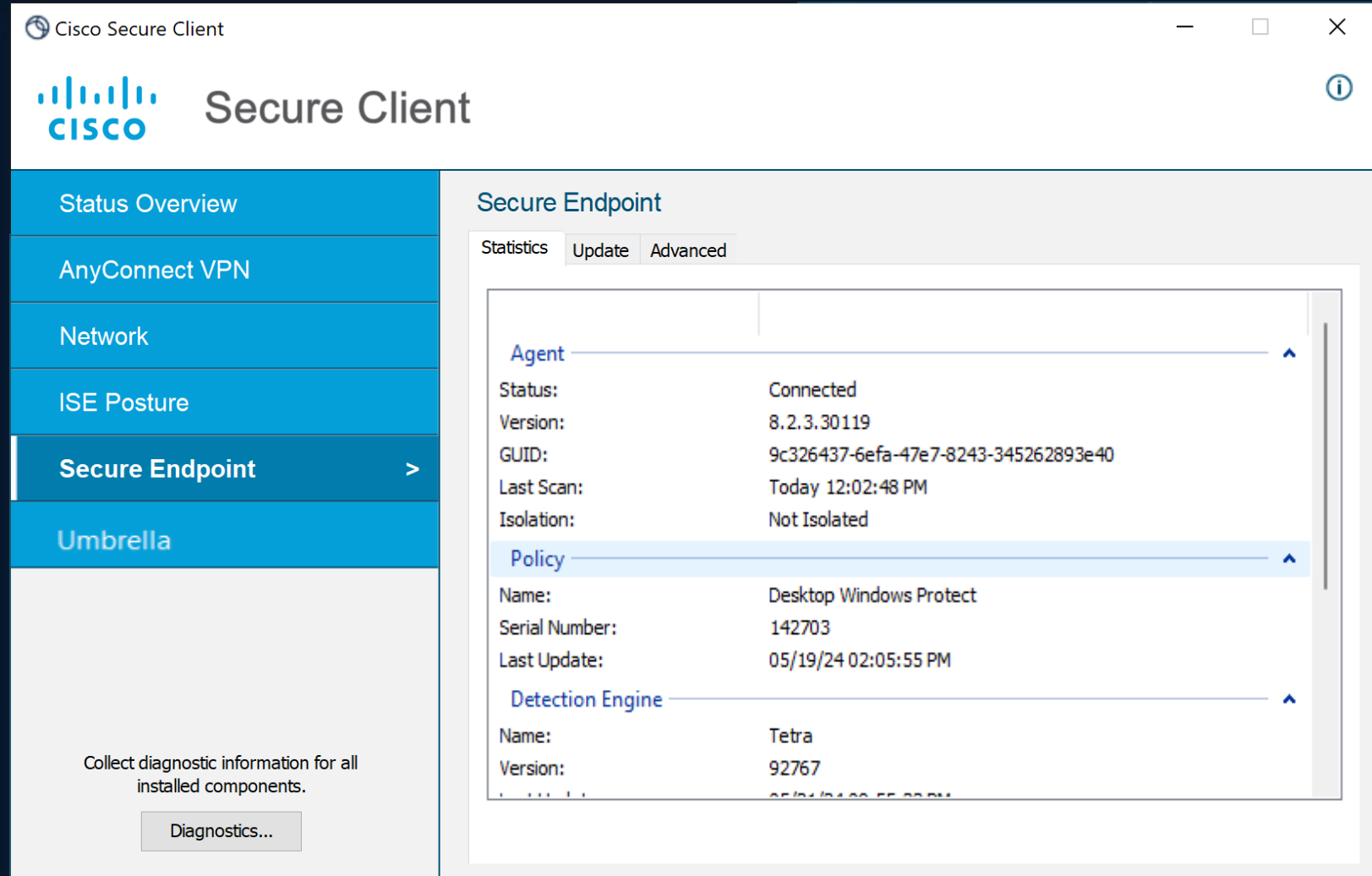
The Latest in Secure Access
(SSE) Innovation

BRKSEC-2438

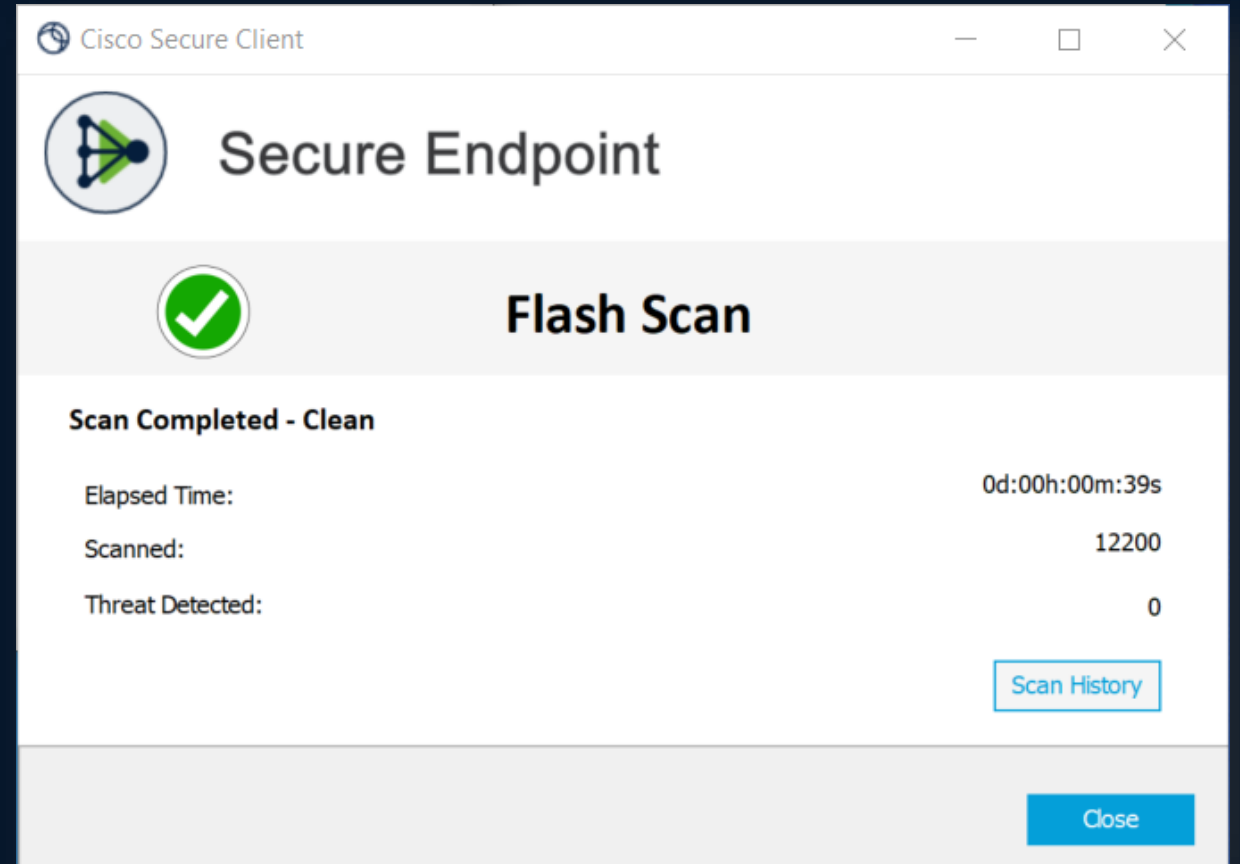
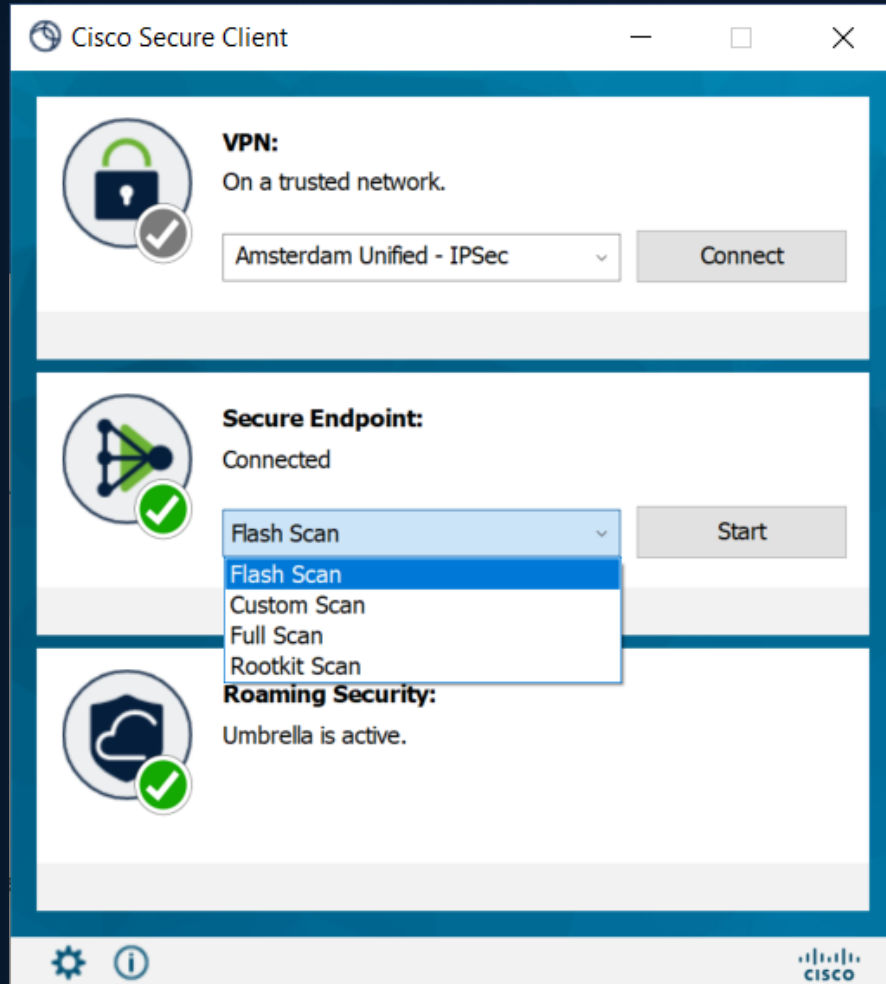
Monday, June 9

Secure Endpoint Module

- Follows the AnyConnect UI Framework
- All the important status information from the old UI

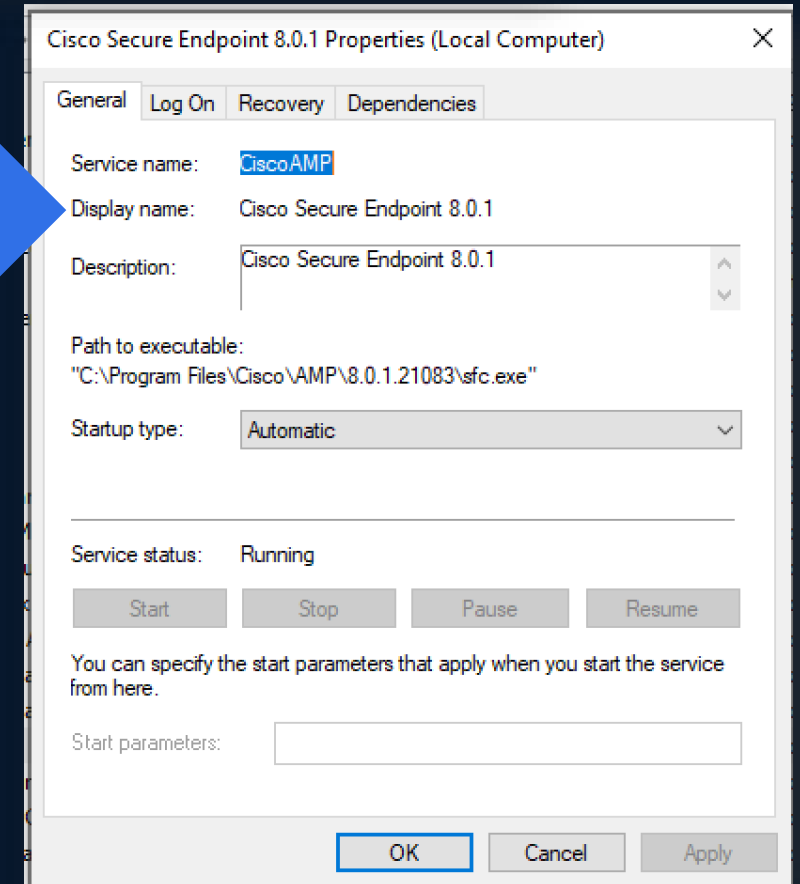
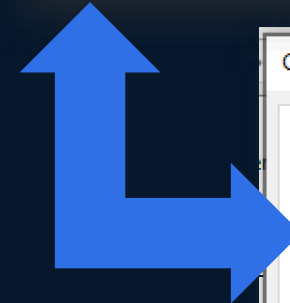
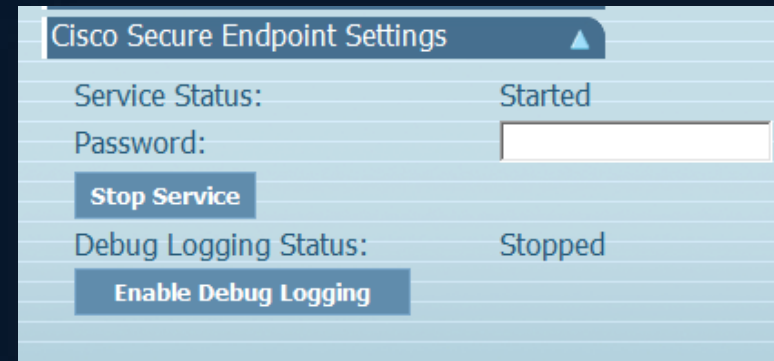


More Secure Endpoint UI



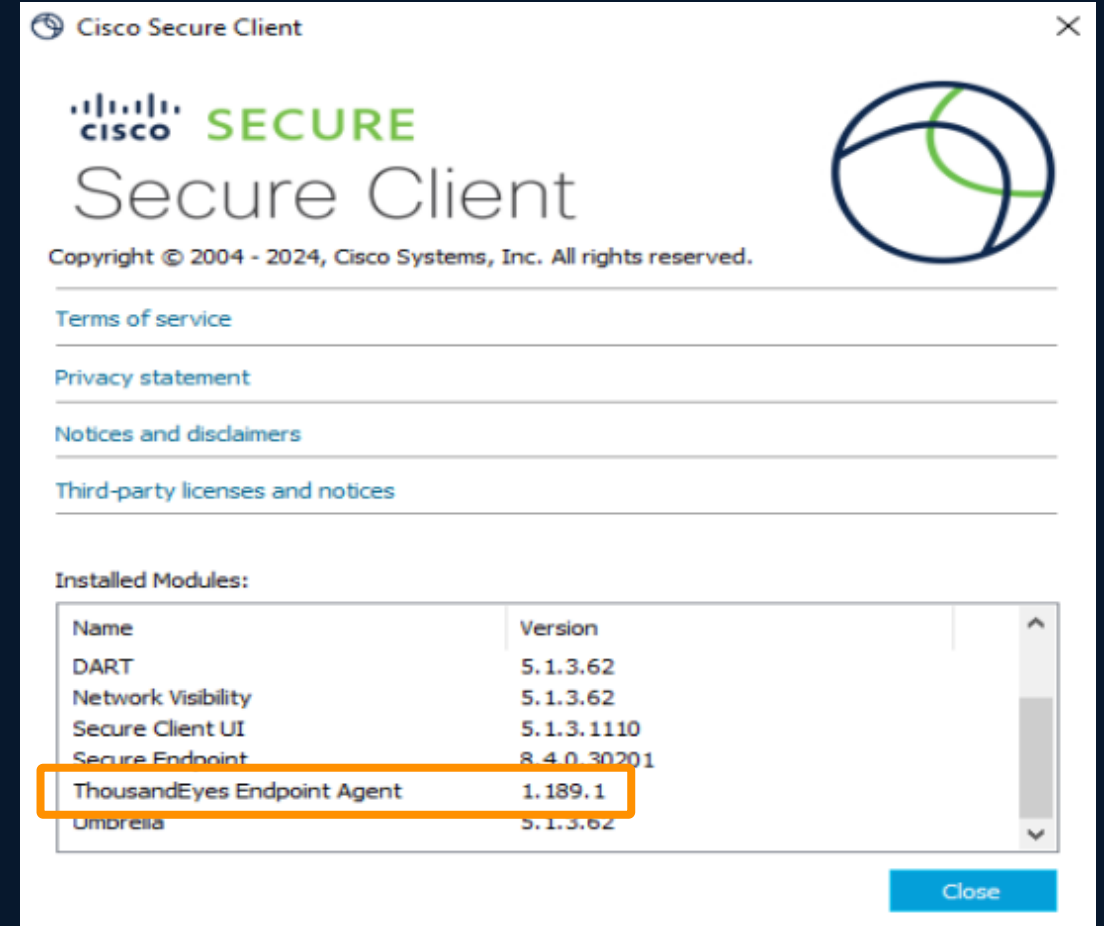
More Secure Endpoint UI

- Removed the ability to control the service from the UI when the connector is protected mode.
- For security reasons
- CLI only



ThousandEyes

- What is it?
 - End to end monitoring of connection statistics
- No UI Tile, No Cloud or Web Deployment.
- Windows & Mac Secure Client support
- Supports standalone ThousandEyes or Secure Access DEM



<https://docs.thousandeyes.com/product-documentation/global-vantage-points/endpoint-agents/secure-client-integration>

Network Visibility Module (NVM)

- Network & Endpoint Visibility
 - Creates a flow record of every connection from endpoint
 - User/Process/Machine Information
 - No UI Tile
- Can send to Cloud or On-Premise
 - Cloud profile defaults to XDR



...we pause for another plug



Paul Carco
Technical Marketing

Unified Endpoint Security: Cisco
Secure Client & XDR Lab

LABSEC-2852

Walk-in Lab

Bernie Clairmont
Product Solution Architect

Getting Started with
ThousandEyes in IT Operation

IBOBS-2013

Thursday, June 12



Fay-Ann Lee
Technical Marketing

Cisco's SASE Approach –
Unifying Networking, Identity
and Security

BRKSEC-2286

Thursday, June 12

TL;DR



- AnyConnect is now Secure Client
- CSC = Cisco Secure Client
- Yes, you can still do it.
- You can do a whole lot more.
- We've added Cloud Management
- We've added new modules

Agenda

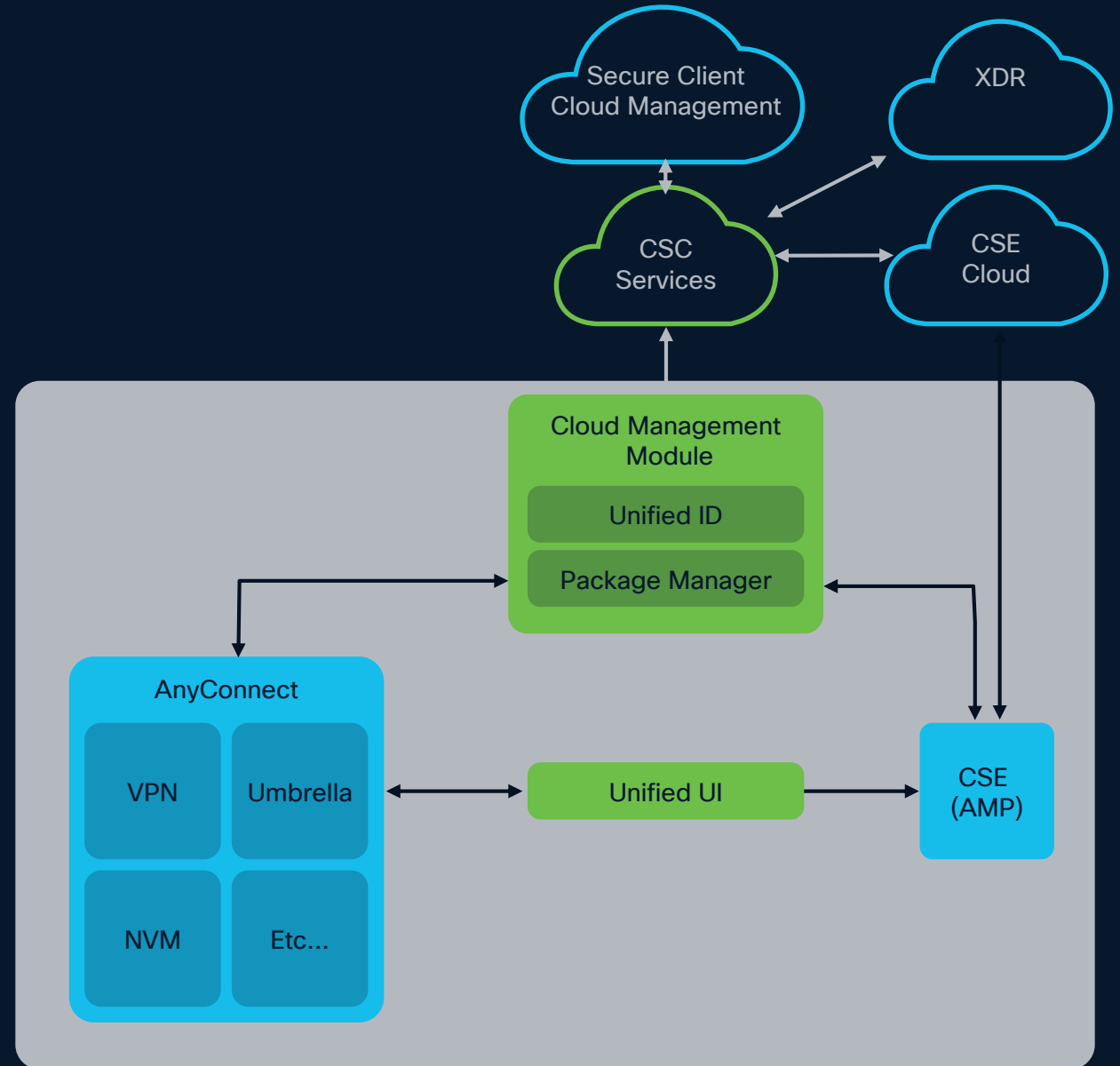
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CSC Architecture

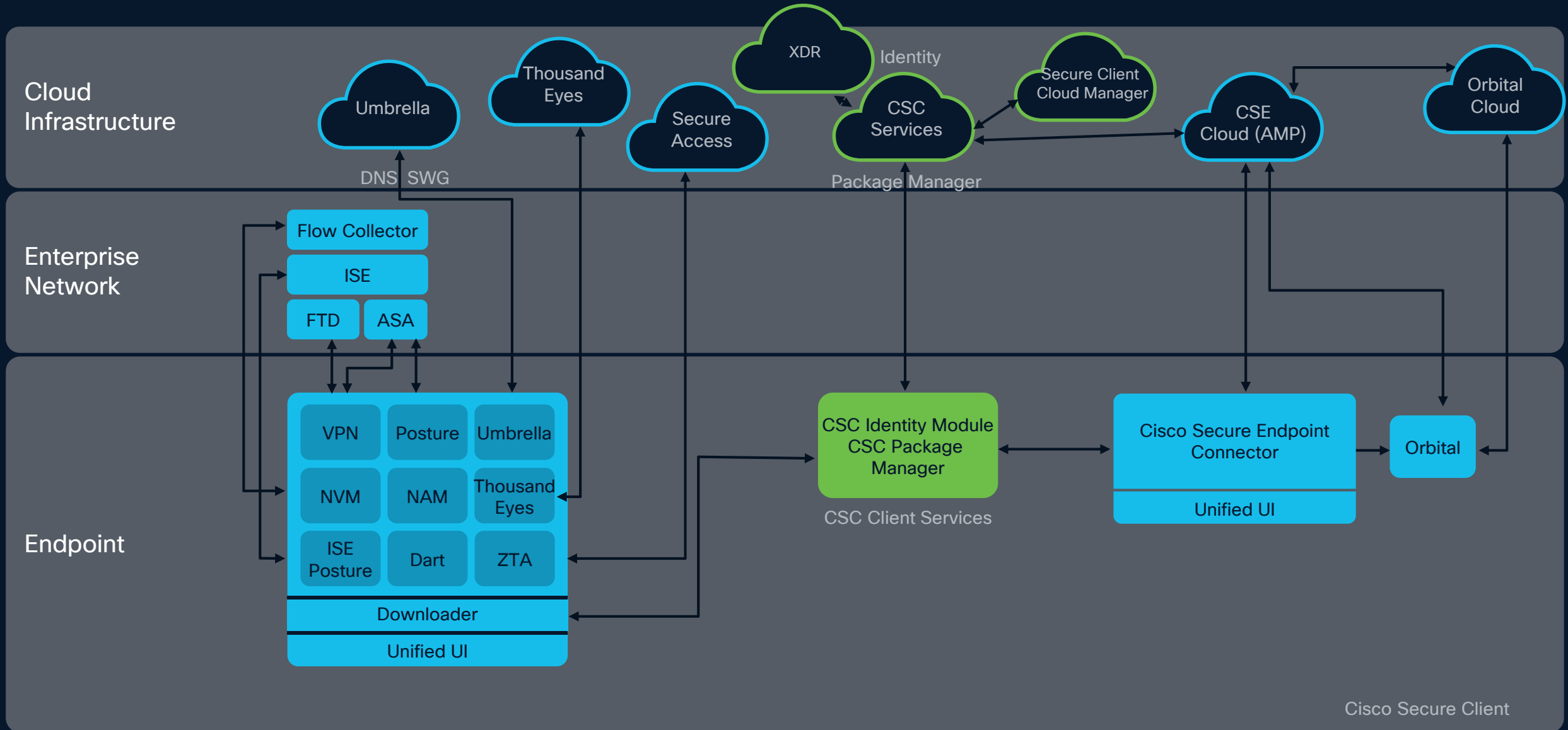
Cisco Secure Client

Architectural Overview

- ▶ Existing components that did not fundamentally change from AC
- ▶ New components
- ▶ Components that enable the Cisco Secure Client



Cisco Secure Client – Architecture



Cisco Secure Client

Identification madness

Unified ID – Device Insights

- AnyConnect Identifier (ACID)
- Secure Endpoint / Orbital UID
- Umbrella – Origin ID
- Hardware & Software Attributes
- Globally Unique Cloud Identifier
- Maintains on reinstall, etc

The screenshot displays the Cisco Secure Client interface. On the left is a navigation sidebar with options: Control Center, Incidents, Investigate, Intelligence, Automate, Assets (highlighted), Client Management, and Administration. The main content area is titled 'fireball' and includes a '+ Add Labels' button, a 'Device Value: 10 (Default value)' dropdown, and a 'Refresh from Orbital Live Query' link. Below this is a 'Details' section with a table of attributes:

Details	
Operating System	Windows 11, SP 0.0 (Build 22631.3296)
Managed	No
Last Active	May 28, 2024 @ 9:43 PM CDT
Local IPs	192.168.5.100 fe80::742e:8b4a:fda1:61b2:fe80::752e:8b4a:fda1:61b2:fe80::8b4a:fda1:61b2:fe80::ff3e:8b4a:fda1:61b2:fe80::af5e:8b4a:fda1:61b2:fe80::c888:d7b4:fda1:61b2:fe80::d088:1107:fda1:61b2:fe80::a72:8938:fda1:61b2:fe80::e5e5:3fb8:fda1:61b2:fe80::7:498a:fe96:fda1:61b2:fe80::f:6731:67fe:fda1:61b2:fe80::3fdc:91ec:fda1:61b2:fe80::e3be:dd5f:fda1:61b2:fe80::30db:eb58:fda1:61b2:fe80::f:76e7:f565:fda1:61b2:fe80::3:7b44:f125:fda1:61b2:fe80::a:b20f:bf09:fda1:61b2:fe80::6:3c97:1d83:fda1:61b2:fe80::2:cf8d:df76:fda1:61b2:fe80::3:aa7d:8130:fda1:61b2:fe80::15be:3558:fda1:61b2:fe80::e1cb:bd39:fda1:61b2:fe80::b:91b4:bd04:fda1:61b2:fe80::6:dda0:c47b:fda1:61b2:fe80::7b7d:40bc
Public IPs	184.106.133.100

On the right side of the details section, there are additional attributes: Location, Associated Users, Model, Hardware Id, and Serial Number.

Cisco Secure Client

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- Globally Unique Cloud Identifier
- Maintains on reinstall, etc

The screenshot displays the Cisco Secure Client interface, specifically the 'Unified ID – Device Insights' section. The interface is divided into a sidebar and a main content area. The sidebar contains navigation options: Investigate, Intelligence, Automate, Assets (highlighted), Client Management, and Administration. The main content area shows details for a Windows 11 system (Build 22H2.3296). It includes a table of 'Macs' with columns for MAC address, IP address, and a status icon (a circle with a checkmark). The table lists several MAC addresses and their corresponding IP addresses. Below the table, there are sections for 'Local IPs' and 'Public IPs', each with a list of IP addresses and status icons. The 'Location' field is also visible.

MAC	IP	Status
2c:8:13	13	✓
8c:a:1c	1c	✓
2c:8:14	14	✓
2e:8:13	13	✓
2c:8:17	17	✓

Local IPs	Status
192.168.50.139	✓
fe80::742:e92e:563d:a198	✓
fe80::752b:106e:1112:a29a	✓
fe80::8b40:21f3:a27a:7a9e	✓
fda1:61b2:1924:9a49:9caa:b7ef:6263:f55f	✓
fda1:61b2:1924:9a49:cdcf:19a8:5d17:5341	✓
fe80::ff3b:5484:c4e0:8d26	✓
fe80::af5f:ec2d:ea67:6be1	✓
fda1:61b2:1924:9a49:3080:8332:c888:d7b4	✓
fda1:61b2:1924:9a49:f5b7:3d03:d088:1107	✓
fda1:61b2:1924:9a49:5c6:a61c:a72:8938	✓
fda1:61b2:1924:9a49:1ceb:5c9:e5e5:3fb8	✓
fda1:61b2:1924:9a49:31f9:ca67:498a:fe96	✓
fda1:61b2:1924:9a49:703a:459f:6731:67fe	✓
fda1:61b2:1924:9a49:981:b80b:3fdc:91ec	✓
fda1:61b2:1924:9a49:7cb8:55a8:e3be:dd5f	✓
fda1:61b2:1924:9a49:1909:86f0:30db:eb58	✓
fda1:61b2:1924:9a49:19c3:4dff:76e7:f565	✓
fda1:61b2:1924:9a49:f537:b963:7b44:f125	✓
fda1:61b2:1924:9a49:7834:a31a:b20f:bf09	✓
fda1:61b2:1924:9a49:35e0:ffd6:3c97:1d83	✓
fda1:61b2:1924:9a49:b0c8:3fd2:cf8d:df76	✓
fda1:61b2:1924:9a49:4c1d:5143:aa7d:8130	✓
fda1:61b2:1924:9a49:918:39d5:15be:3558	✓
fda1:61b2:1924:9a49:cbc:9bba:e1cb:bd39	✓
fda1:61b2:1924:9a49:fd4e:ef7b:91b4:bd04	✓
fda1:61b2:1924:9a49:198a:c996:dda0:c47b	✓
fda1:61b2:1924:9a49:dfb:39b4:7bfd:40bc	✓

Public IPs	Status
184.55.67.86	✓

Cisco Secure Client

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- Maintains on reinstall, etc

The screenshot displays the Cisco Secure Client interface. On the left, a sidebar menu includes 'Incidents', 'Investigate', 'Intelligence', 'Automate', 'Assets' (highlighted), 'Client Management', and 'Administration'. The main panel shows details for a 'Mac' device, with a redacted MAC address. Below the device name, a 'Secure Endpoint - Cisco - byazji' section provides the following information:

- Secure Endpoint UID:** 092ffa[redacted]0f4
- Last Seen:** May 28, 2024 @ 9:43 PM CDT
- Policy:** YazjiHome
- Group:** YazjiGroup
- Install Date:** Oct 18, 2021 @ 5:55 PM CDT
- Connector Version:** 8.4.0.30201

Below the connector version, a list of 20 Globally Unique Cloud Identifiers (GUCIs) is shown, each followed by a checkmark icon. The GUCIs are formatted as `fda1:61b2:1924:9a49:31f9:ca67:498a:fe96`. At the bottom, the 'Public IPs' section shows the IP address 184.55.67.86 with a checkmark icon.

Cisco Secure Client

Identification madness

Unified ID – Device Insights

- AnyConnect Identifier (ACID)
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- Umbrella – Origin ID
- Hardware & Software Attributes
- Globally Unique Cloud Identifier
- Maintains on reinstall, etc

The screenshot displays the Cisco Secure Client interface, specifically the 'Orbital' section. The main window shows the 'Secure Endpoint - Cisco - byazji' status. Below this, the 'Secure Endpoint UID' is displayed as '092f[redacted]40f4'. The 'Orbital' section provides detailed device information:

- Orbital UID:** 092ff4d4-[redacted]
- Last Seen:** May 28, 2024 @ 5:16 PM CDT
- Users:** bill
- Local Users:** Administrator, bill, DefaultAccount, Guest, WDAGUtilityAccount
- Computer SID:** S-1-5-21-95-[redacted]
- Node OS:** windows
- Version:** v1.31.4
- Release:** 10.0.22631
- Architecture:** 64-bit

On the right side, a list of MAC addresses is shown, each with a dropdown arrow indicating a selection menu. The MAC addresses include:

- 2c-[redacted]:d:13
- 8c-[redacted]:a:1c
- 2c-[redacted]:d:14

At the bottom right, a list of IP addresses is visible, each with a dropdown arrow. The IP addresses include:

- 1.0.0.0.3100.9100
- b8:55a8:e3be:dd5f
- 09:86f0:30db:eb58
- c3:4dff:76e7:f565
- 37:b963:7b44:f125
- 34:a31a:b20f:bf09
- e0:ffd6:3c97:1d83
- c8:3fd2:cf8d:df76
- 1d:5143:aa7d:8130
- 8:39d5:15be:3558
- c:9bba:e1cb:bd39
- 4e:ef7b:91b4:bd04
- 8a:c996:dda0:c47b
- b:39b4:7bfd:40bc

Cisco Secure Client

Identification madness

Unified ID – Device Insights

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- Umbrella – Origin ID
- Hardware & Software Attributes
- Globally Unique Cloud Identifier
- Maintains on reinstall, etc

The screenshot displays the Cisco Secure Client interface, showing device insights for a user named **byazji**. The interface is divided into several sections:

- Macs**: Lists MAC addresses and their corresponding device IDs (e.g., 2c:8...d:13, 8c:8...a:1c, 2c:8...d:14).
- Secure Endpoint - Cisco - byazji**: Shows the Secure Endpoint UID as 092f...40f4.
- Orbital**: Shows the Orbital UID as 09...0f4 and the last seen time as 4 @ 9:43 PM CDT.
- Umbrella - byazji@cisco.com**: Shows the Umbrella UID as 61...363 and the last seen time as May 26, 2024 @ 7:51 PM CDT.
- Policy**: Default Policy.
- Client Type**: AnyConnect.
- Client Version**: 5.1.3.62.
- Reported OS**: Windows.
- Reported OS Version**: 11.

Identification madness

- AnyConnect Identifier (ACID)
- Secure Endpoint / Orbital UID
- Umbrella – Origin ID
- Hardware & Software Attributes

- Globally Unique Cloud Identifier
- Maintains on reinstall, etc

Macs

2c [redacted] d:13
8c [redacted] a:1c
2c [redacted] d:14

CrowdStrike

e6ca140f4

Orbital UID

Last Seen

Users

Local Users

Computer

Node OS

Version

Release

Architecture

CrowdStrike UID

Last Seen

Connection IP

Connection MAC Address

Agent Version

Major Version

Minor Version

Platform ID

Platform Name

Reported OS

Reported OS Version

094d [redacted] b12c

2024-05-27T00:50:03.000Z

10.8.50.27

00-5 [redacted] -ac

7.03.17506.0

10

0

0

Windows

Windows

11

Cisco Secure Client

Identification madness

Unified ID – Device Insights

- AnyConnect Identifier (ACID)
- Secure Endpoint / Orbital UID
- Umbrella – Origin ID
- Hardware & Software Attributes
- Globally Unique Cloud Identifier
- Maintains on reinstall, etc

The screenshot displays the Cisco Secure Client interface, specifically the 'Device Insights' section for a CrowdStrike SentinelOne Endpoint. The interface is dark-themed with a sidebar on the left containing navigation options: 'Orbital UID', 'Last Seen', 'Users', 'Local Users', 'Computer', 'Node OS', 'Version', 'Release', and 'Architecture'. The main content area is divided into two columns. The left column lists attributes for the 'CrowdStrike' endpoint, including 'Last Seen', 'Connection ID', 'Agent Version', 'Major Version', 'Minor Version', 'Platform ID', 'Platform Name', and 'Reporter'. The right column displays details for the 'SentinelOne Endpoint', including 'SentinelOne UID' (186[redacted]1884), 'Last Seen' (2024-02-18T06:55:22.177Z), 'Users' ([redacted]), 'Domain' (IROH), 'Group' (Default Group), 'Infected' (true), 'Active Threats' (7), and 'User Actions' (—). A 'View full details' link is located at the bottom right of the main content area.


Attribute	Value
SentinelOne UID	186[redacted]1884
Last Seen	2024-02-18T06:55:22.177Z
Users	[redacted]
Domain	IROH
Group	Default Group
Infected	true
Active Threats	7
User Actions	—

Cisco Secure Client

Secure Client UID

Unified ID – Device Insights

- AnyConnect Identifier (ACID)
- Secure Endpoint / Orbital UID
- Umbrella – Origin ID
- Hardware & Software Attributes
- Globally Unique Cloud Identifier
- Maintains on reinstall, etc

 Secure Client Device Events	
Secure Client UID	5ca72[REDACTED]606338
Last Seen	May 26, 2024 @ 4:56 PM CDT
Deployment	Yazji_Home
CSC Version	5.1.2.42
Secure Endpoint Version	8.4.0.30201
Cloud Management Version	1.0.1.400
Modules	Cloud Management v.1.0.1.400 AnyConnect VPN v.5.1.2.42 Umbrella v.5.1.2.42 DART v.5.1.2.42 Network Visibility Module v.5.1.2.42 Cisco Secure Endpoint v.8.4.0.30201
CSC UDID	5ca72[REDACTED]606338
AC UDID	f78fdd[REDACTED]3b646e
Serial Number	r912zza1

Cisco Secure Client

Client Management Module

Package Manager

- Check-in timer to cloud
- Looks for new manifest
- Installs based on cloud detail/configuration/update windows

The screenshot shows the 'Cloud Management Profiles' configuration page in the Cisco Secure Client interface. The page is titled 'Cloud Management Profiles' and shows a profile named 'CLUS2025'. There are buttons for 'Edit Name', 'Reset Changes', 'Cancel', and 'Save'. The configuration is organized into four sections:

- Identity Service Settings**: Contains a toggle for 'Enable Debug Logging' which is currently disabled.
- Package Manager Service Settings**: Contains three settings:
 - Logging Level***: Set to 'Error'.
 - Check-In Interval***: Set to '8 Hours'.
 - Notify User When Reboot Is Required**: A toggle that is currently enabled.
- Cloud Management Service Settings**: Contains one setting:
 - Logging Level***: Set to 'Error'.
- Product Update Window**: Contains a toggle for 'Enable Product Update Window' which is currently disabled. Below the toggle is a note: 'If not enabled, product updates can happen at any time. If enabled, product updates will only occur within the specified update window.'

Cisco Secure Client

Client Management Module

Package Manager

- Check-in timer to cloud
- Looks for new manifest
- Installs based on cloud detail/configuration/update windows
- Update Window Configuration
 - Leveraged for **Installation Window** for Network Installer & Module updates
 - If CM checks in with the cloud within that time window, the updates will be pushed to the endpoint
 - All cloud controlled!

The screenshot displays the Cisco XDR Cloud Management Profiles configuration interface. The top navigation bar shows the Cisco logo and 'XDR'. The main heading is 'Profiles' with a sub-heading 'Cloud Management Profiles'. The profile name 'CLUS2025' is shown with options to 'Edit Name', 'Reset Changes', 'Cancel', and 'Save'. The 'Identity Service Settings' section includes a toggle for 'Enable Debug Logging'. The 'Product Update Window' section features a toggle for 'Enable Product Update Window' with a descriptive note. Below this, a 'Day' selector shows 'Mon' selected. The 'Start Time' and 'End Time' are both set to '1:00', each with a 'Period' dropdown set to 'AM'. A 'Select Time Zone' toggle is also present with a note. A second, partially visible 'Product Update Window' section is shown below.

SecureX Who? [EOL 2024, left for posterity]



SecureX End-of-Life has been announced The End-of-Life (EOL) of SecureX is 31st July 2024. Please visit the EOL announcement for more information. [Visit EOL Announcement](#)

Deployment Management

+ Create New

Search

Profile Name	Last Updated	Actions
LP_Chino	2023-09-29	[Delete]
PetersonHome	2023-11-23	[Delete]
XDR Default Deployment	2023-09-28	[Delete]
Yazji_Gaming	2023-09-29	[Delete]
Yazji_Home	2023-09-28	[Delete]

Test Edit Name Delete Save Full Installer Network Installer

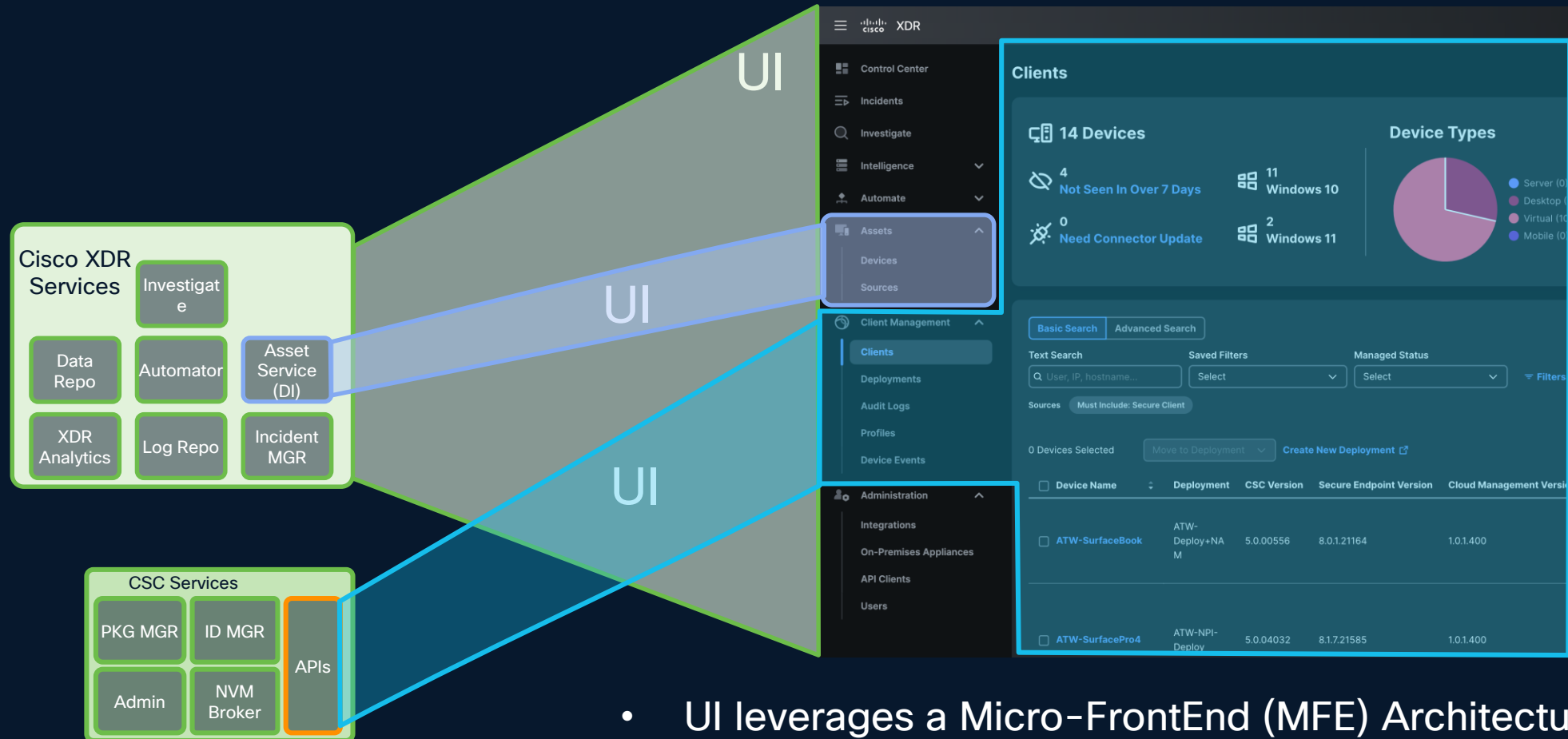
Latest (1.0.3.433) Recommended (8.2.4.30130)

Cloud Management Choose a Profile

Secure Endpoint Group: YazjiGroup [Replace Bootstrap Profile](#)

- <https://www.cisco.com/c/en/us/products/collateral/security/securex/securex-eol.html>
- <https://blogs.cisco.com/security/accessing-secure-client-cloud-management-after-the-securex-eol>
- <https://video.cisco.com/detail/video/6353048690112>

Cloud Management Architecture



- UI leverages a Micro-FrontEnd (MFE) Architecture
- UI components may run from any service & be part of a single UI Experience

Today – In XDR

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Today – In XDR

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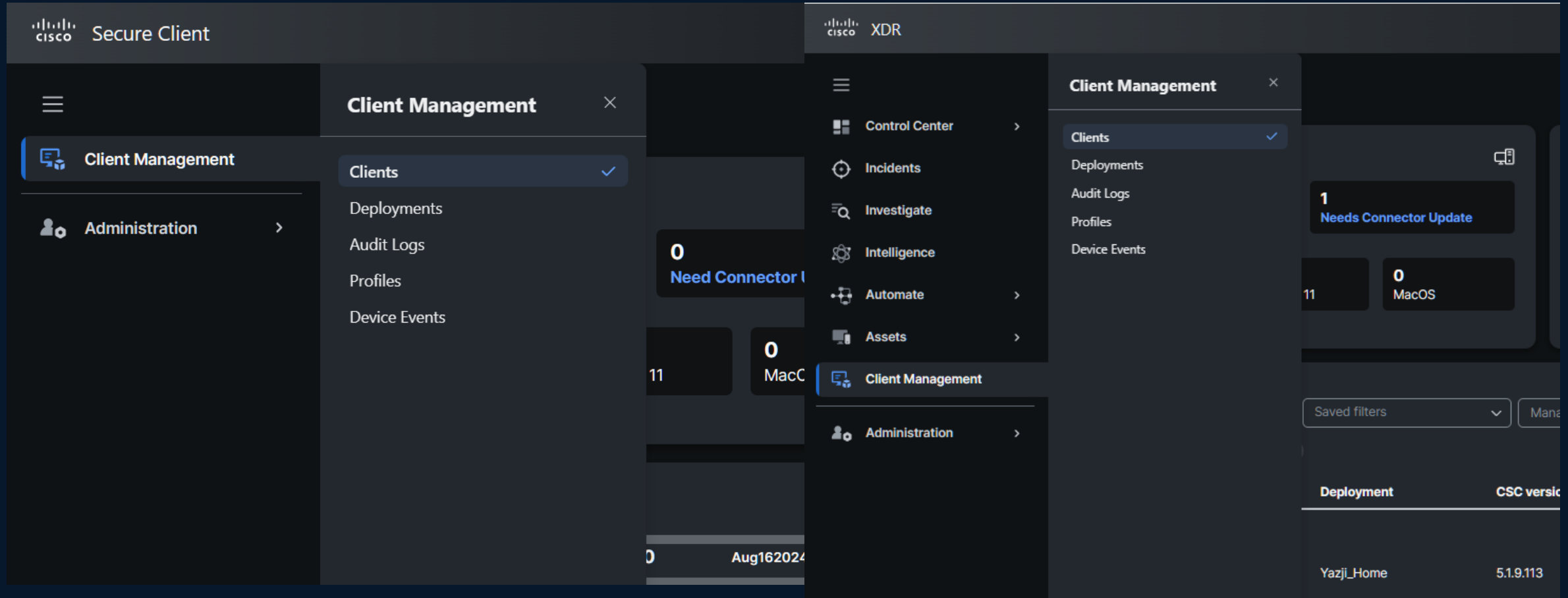
CSC Cloud Management

For NON-XDR users

- Standalone exists *today* in Secure Client Cloud Management (SCCM)
- Secure Access Customers are redirected to SCCM or XDR for CSC Management today.
- Our Micro-FrontEnd (MFE) UI Architecture will enable the CSC management to be pulled into other front-ends in future.



SCCM and XDR – Identical User Interfaces



<https://secure-client.us.security.cisco.com/>

<https://xdr.us.security.cisco.com/>



I ~~want~~ need Cloud Management... how do I get it?

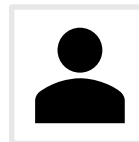
- Do you have Cisco XDR already?
 - Client Management is included in XDR and must be managed within XDR
- Wait, we didn't purchase XDR?!
 - Buy XDR
 - Or Client Management is also a no-cost entitlement for non-XDR customers
- How can I get standalone Cloud Management?
 - <https://www.cisco.com/c/dam/en/us/products/collateral/security/anyconnect-secure-mobility-client/request-scm-tenant.pdf>



Open a TAC Case



Product: XDR - Administration



Request a Secure Client Cloud Management tenant be provisioned

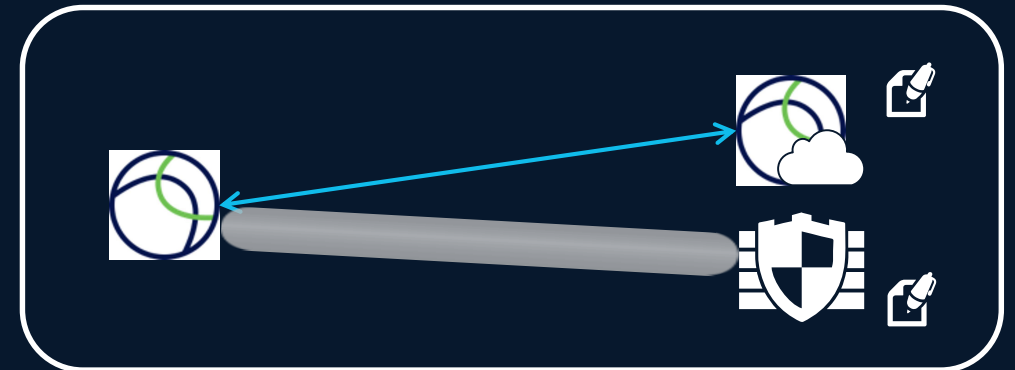
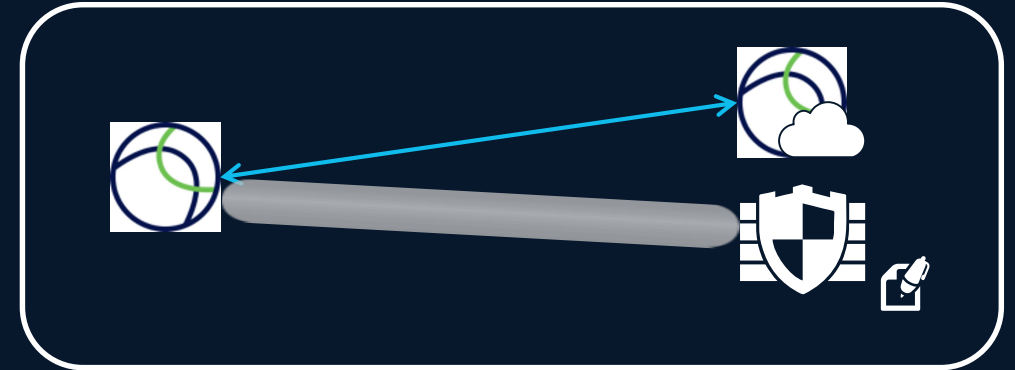
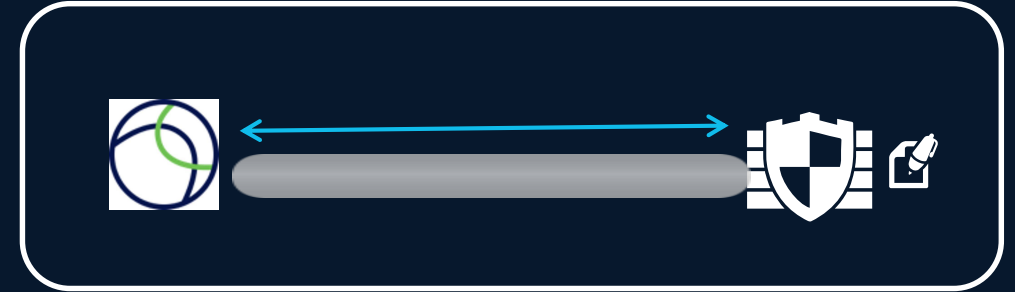
Agenda

- 01 CSC Overview
- 02 CSC Architecture
- 03 Cloud Deployment & Management
- 04 Upgrading to CSC
- 05 FAQs, Tips and Tricks

Deploying / Managing from Cloud

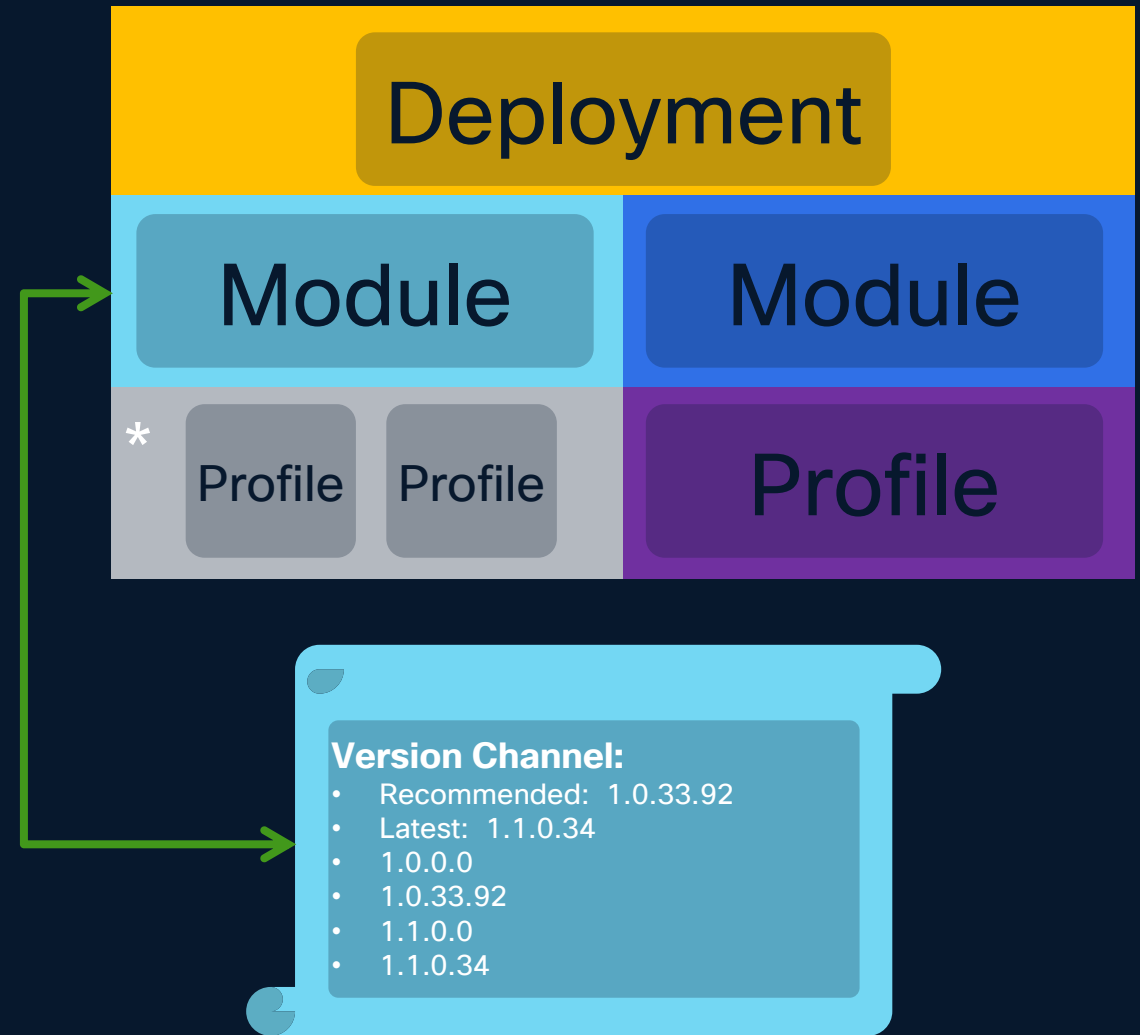
Deployment Models

- No Cloud Management
 - **Note:** No XDR NVM!
- Cloud Registration – no Package Management
- Cloud Registration – Partial or Full Management



Glossary

- New & Old Terminology
 - **Profile:** Configuration for a module
 - **Module:** Software component that provides client-side of a security service
 - **Version:** Software version to be deployed
 - **Channel:** Cisco 'assigned' version
 - **Deployment:** Binds together modules, versions and profiles to create packages



* When module supports >1

Secure Client Cloud Management

Profile

- Each module has a profile for its “configuration”
- Similar to standalone Windows-only configuration tool

The screenshot displays the Cisco XDR Profiles page. The sidebar on the left contains navigation links: Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (highlighted), and Administration. The main content area is titled 'Profiles' and features a search bar and a table of profiles.

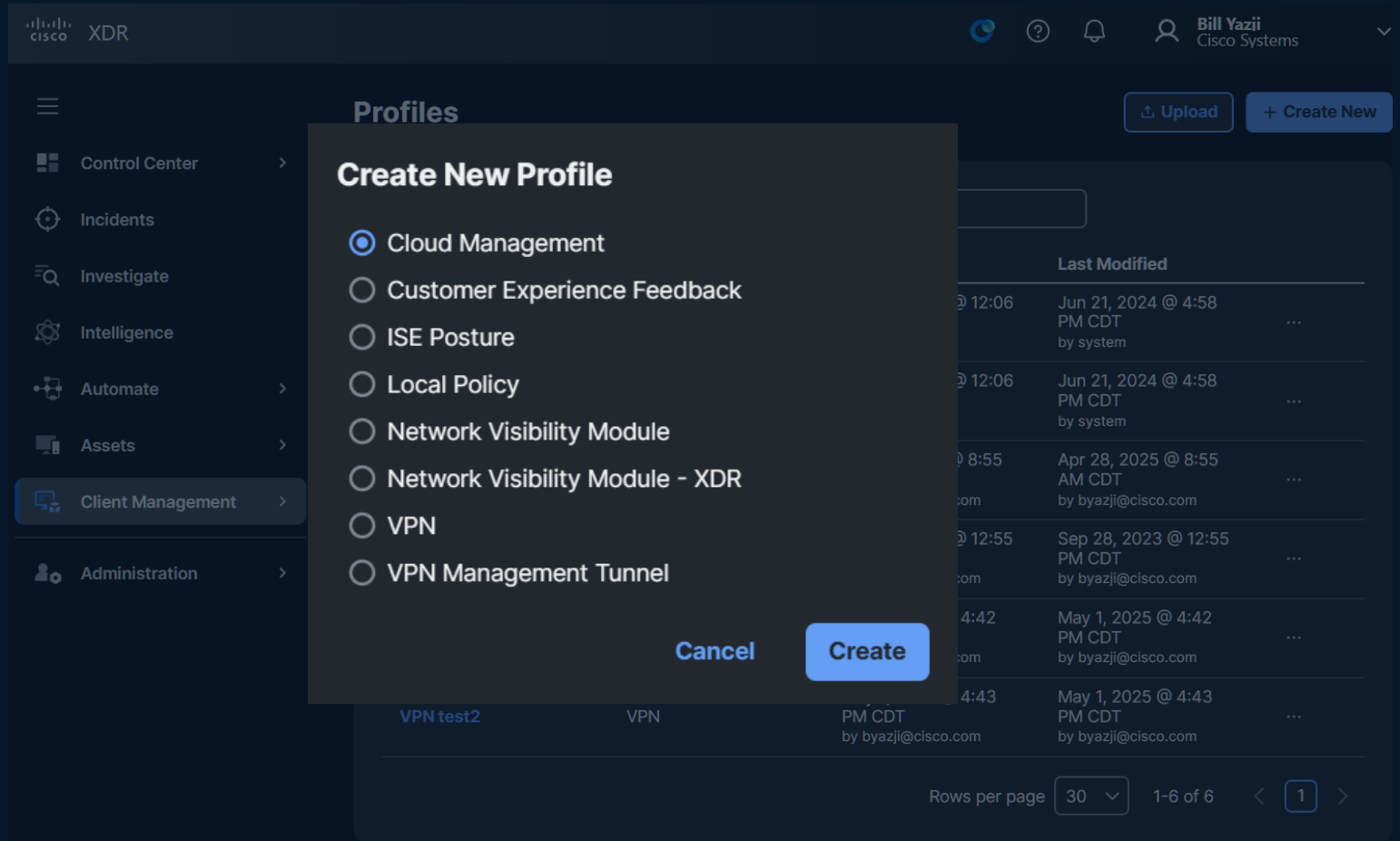
Profile Name	Profile Type	Created	Last Modified
Cloud Management Default Profile	Cloud Management	Sep 28, 2023 @ 12:06 PM CDT by system	Jun 21, 2024 @ 4:58 PM CDT by system
NVM Cloud Default Profile	Network Visibility Module - XDR	Sep 28, 2023 @ 12:06 PM CDT by system	Jun 21, 2024 @ 4:58 PM CDT by system
OrgInfo.json_SecAccess_CNO	Umbrella	Apr 28, 2025 @ 8:55 AM CDT by byazji@cisico.com	Apr 28, 2025 @ 8:55 AM CDT by byazji@cisico.com
Umbrella - byazji	Umbrella	Sep 28, 2023 @ 12:55 PM CDT by byazji@cisico.com	Sep 28, 2023 @ 12:55 PM CDT by byazji@cisico.com
VPN test1	VPN	May 1, 2025 @ 4:42 PM CDT by byazji@cisico.com	May 1, 2025 @ 4:42 PM CDT by byazji@cisico.com
VPN test2	VPN	May 1, 2025 @ 4:43 PM CDT by byazji@cisico.com	May 1, 2025 @ 4:43 PM CDT by byazji@cisico.com

Rows per page 30 1-6 of 6 1

Secure Client Cloud Management

Profile

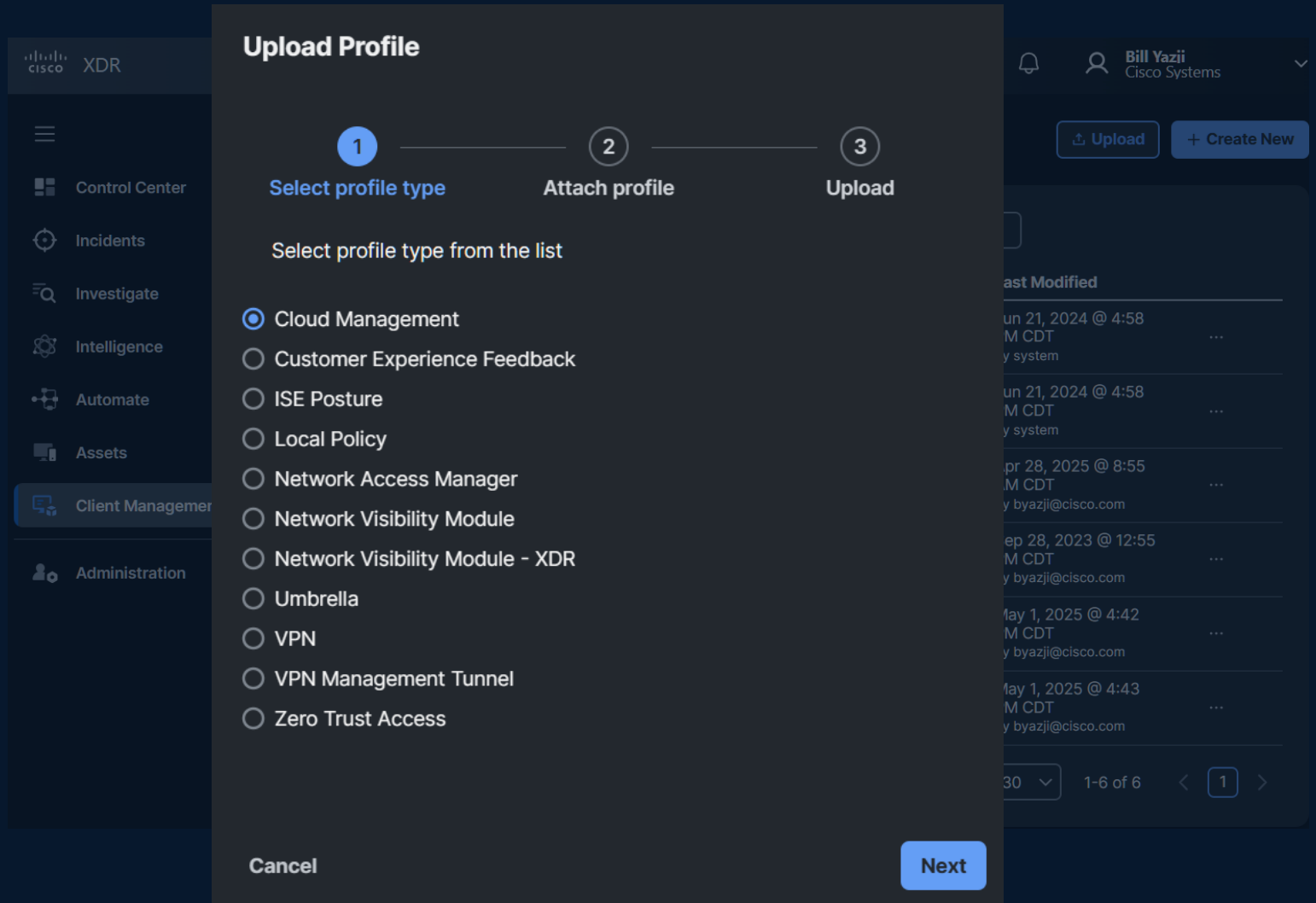
- Each module has a profile for its “configuration”
- Similar to standalone Windows-only configuration tool
- Create new profile in SCCM....



Secure Client Cloud Management

Profile

- Each module has a profile for its “configuration”
- Similar to standalone Windows-only configuration tool
- Create new profile in SCCM....
-or upload/import existing one.



Secure Client Cloud Management

Deployments

- Combining modules and profiles
- “Groups” are coming in future version & can assign entire groups to a Deployment
- Builds the installer dynamically per deployment

The screenshot displays the Cisco XDR 'Deployments' page. The left sidebar contains navigation links: Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (highlighted), and Administration. The main content area is titled 'Deployments' and has tabs for 'Default Deployments' and 'Custom Deployments' (selected). A '+ Create New' button is in the top right. Below the tabs are search filters: 'Search By Deployment Name', 'All Users' (dropdown), and 'Search By Associated Profiles'. A table lists the following deployments:

Deployment Name	OS / Architecture	Associated Profiles	Created	Last Modified
Cisco Live 2025	Windows / amd64	4	May 22, 2025 @ 12:26 PM CDT by byazji@cisco.com	May 22, 2025 @ 12:26 PM CDT by byazji@cisco.com
LP_Chiro	Windows / amd64	3	Sep 28, 2023 @ 10:15 PM CDT by byazji@cisco.com	Mar 17, 2025 @ 5:58 PM CDT by byazji@cisco.com
PetersonHome	Windows / amd64	3	Nov 23, 2023 @ 2:25 PM CST by byazji@cisco.com	Mar 13, 2024 @ 2:06 PM CDT by byazji@cisco.com
SecAccess_CNO	Windows / amd64	3	Apr 28, 2025 @ 8:56 AM CDT by byazji@cisco.com	Apr 28, 2025 @ 8:56 AM CDT by byazji@cisco.com
Test Deployment	Windows / amd64	2	May 1, 2025 @ 4:22 PM CDT by byazji@cisco.com	May 1, 2025 @ 4:22 PM CDT by byazji@cisco.com
Test Light	Windows / amd64	1	May 1, 2025 @ 4:35 PM CDT by byazji@cisco.com	May 1, 2025 @ 4:35 PM CDT by byazji@cisco.com
Win10 Demo VM	Windows / amd64	3	Oct 1, 2024 @ 10:41 AM CDT by byazji@cisco.com	Oct 1, 2024 @ 10:41 AM CDT by byazji@cisco.com
Yazji_Gaming	Windows / amd64	3	Sep 28, 2023 @ 10:17 PM CDT by byazji@cisco.com	Mar 16, 2025 @ 1:00 PM CDT by byazji@cisco.com
Yazji_Home	Windows / amd64	3	Sep 28, 2023 @ 12:57 PM CDT by byazji@cisco.com	Mar 25, 2025 @ 10:12 AM CDT by byazji@cisco.com

Secure Client Cloud Management

Deployment creation

- Combining modules and profiles
- “Groups” are coming in future version & can assign entire groups to a Deployment
- Builds the installer dynamically per deployment

The screenshot displays the Cisco XDR interface for creating a deployment. The top navigation bar includes the Cisco logo, 'XDR', and user information for 'Bill Yazii, Cisco Systems'. The left sidebar lists various modules: Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (highlighted), and Administration. The main content area is titled 'Deployments' and shows a deployment named 'Cisco Live 2025' for 'Windows / amd64'. A list of modules to be included in the deployment is shown, numbered 1 through 8: 1. Deployment Name, 2. Cloud Management, 3. Secure Endpoint, 4. Secure Client, 5. Secure Access Root Certificate, 6. Zero Trust Access, 7. Orbital, and 8. Forensics. The right panel, titled 'Deployment Name', shows a form with a 'Name*' field containing the text 'Cisco Live 2025'.



Secure Client Cloud Management

New for 2025

- Secure Access Root Certificate

The screenshot displays the Cisco XDR interface. The top navigation bar includes the Cisco logo, 'XDR', and user information for 'Bill Yazii' from 'Cisco Systems'. The left sidebar contains a menu with options: Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (highlighted), and Administration. The main content area is titled 'Deployments' and shows 'Cisco Live 2025' for 'Windows / amd64'. A list of deployment steps is shown, with 'Secure Access Root Certificate' (step 5) highlighted by a red box. The right panel details the 'Secure Access Root Certificate' configuration, including a toggle switch, a description of its function, and a 'Version Control' dropdown set to 'Latest (1.0.0.2)'. 'Cancel' and 'Save' buttons are located at the top right of the configuration panel.

Secure Client Cloud Management

New for 2025

- Zero Trust Access
- ZTA Cert Enrollment
 - Requires 5.1.9
 - Win/Mac
 - TPM/Secure Enclave
- ZTA TND GA in June
 - Requires 5.1.10

The screenshot displays the Cisco XDR interface for configuring a deployment. The left sidebar shows the navigation menu with 'Client Management' selected. The main panel is titled 'Cisco Live 2025' and shows a list of deployment components. The 'Zero Trust Access' component is highlighted with a red box and a blue circle with the number 6. The right panel shows the configuration for 'Zero Trust Access', which is currently turned on. It includes a description, a 'Version Control' dropdown set to 'Recommended (5.1.8.741)', and a 'Zero Trust Access Profile' dropdown set to 'Choose a Profile'.

Deployment Components:

- ✓ Deployment Name
- ✓ Cloud Management
- ✓ Secure Endpoint
- ✓ Secure Client
- ✓ Secure Access Root Certificate
- 6 Zero Trust Access**
- 7 Orbital
- 8 Forensics

Zero Trust Access Configuration:

- Zero Trust Access:** ☒
- Description:** Cisco Zero Trust Access provides secure access to remote private resources. This capability is used in conjunction with Cisco Secure Access.
- Version Control:** Recommended (5.1.8.741)
- Zero Trust Access Profile:** Choose a Profile

Secure Client Cloud Management

New for 2025

- Orbital Standalone
 - XDR customers only
 - Windows today
 - Mac expected Q3
 - All XDR tiers are entitled

The screenshot displays the Cisco XDR management console. On the left is a navigation sidebar with options like Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (highlighted), and Administration. The main area is titled 'Deployments' and shows a configuration for 'Cisco Live 2025' on 'Windows / amd64'. A list of modules to be deployed includes Deployment Name, Cloud Management, Secure Endpoint, Secure Client, Secure Access Root Certificate, Zero Trust Access, **Orbital** (highlighted with a red box and a blue circle with the number 7), and Forensics (marked with a blue circle with the number 8). To the right, the 'Orbital' configuration panel is shown with an enabled toggle switch and a 'Version Control' dropdown menu currently set to 'Recommended (2.32.3.0)'.

Secure Client Cloud Management

New for 2025

- XDR Forensics
 - Coming soon
 - Windows & Mac
 - XDR Adv/Premier



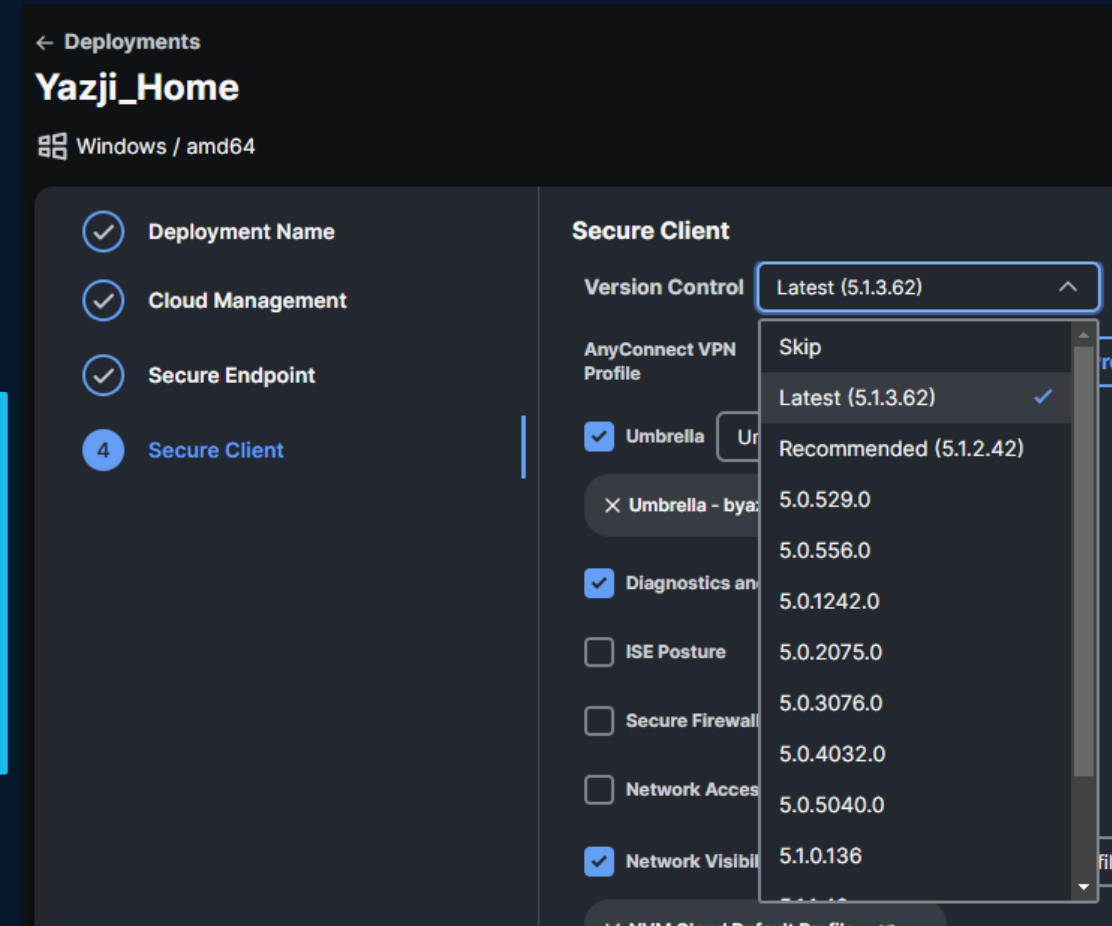
The screenshot shows the Cisco XDR Control Center interface. On the left is a navigation sidebar with options: Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (highlighted), and Administration. The main content area is titled 'Deployments' and 'Cisco Live 2025', with a sub-header 'Windows / amd64'. A list of deployment features is shown with checkmarks: Deployment Name, Cloud Management, Secure Endpoint, Secure Client, Secure Access Root Certificate, Zero Trust Access, Orbital, and Forensics (highlighted with a red box and a blue circle containing the number 8). To the right of this list is a 'Forensics' configuration panel with a toggle switch turned on. The panel contains a description of the Cisco Forensics Module, a 'Version Control' dropdown set to 'Alpha (2.65.2.0)', and a 'Forensics Profile' dropdown set to 'Forensics Default Profile'. At the bottom of the panel, it shows 'Forensics' as the active profile and 'Forensics Default Profile' as the previous one, with a red 'X' icon next to the latter.

Learn more about the new Forensics capabilities of XDR at the Showcase Zone

Version Catalog

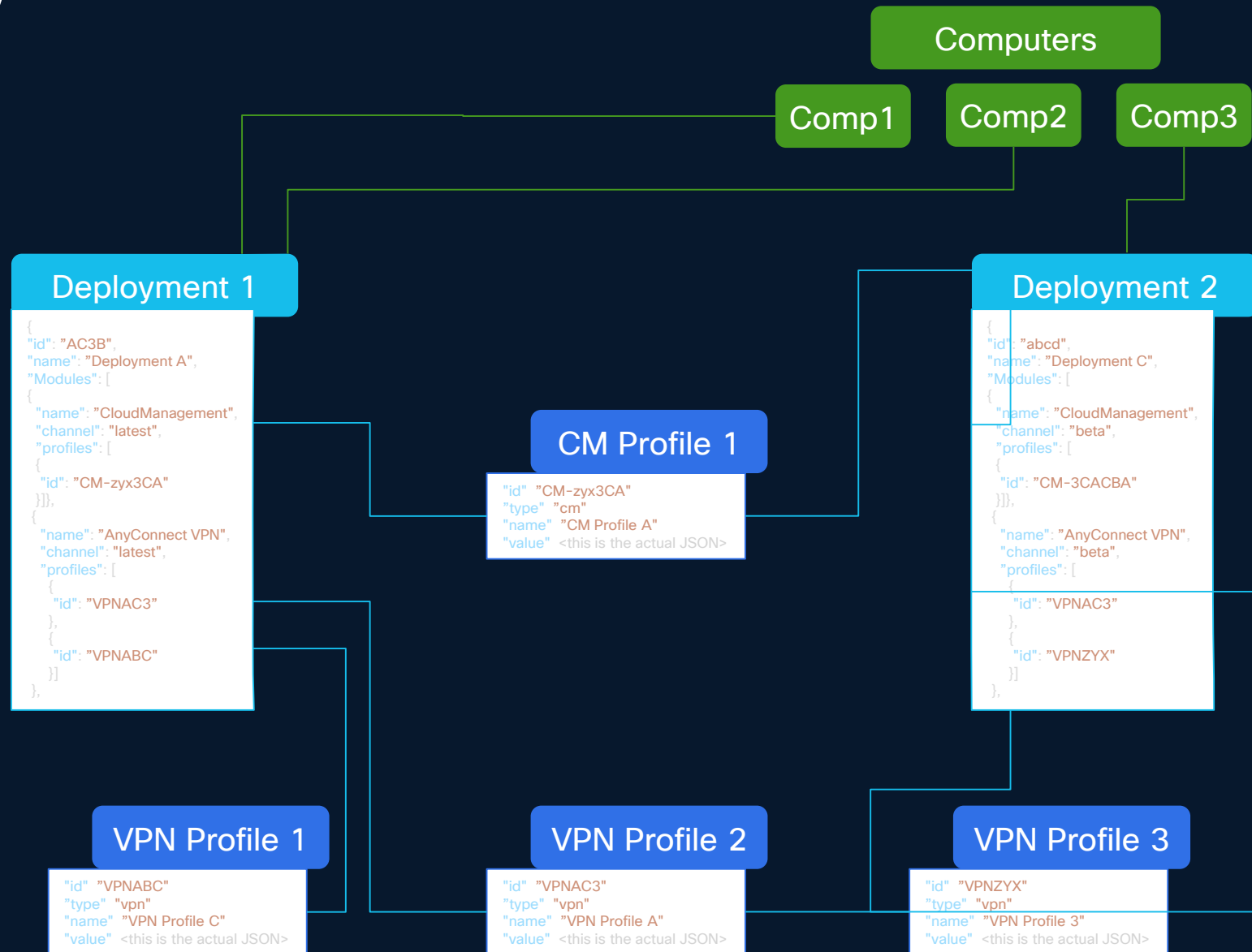
- For each deployment:
 - Controllable channel for software versioning:
 - Hard-Code the specific version (version lock)
 - Skip (never upgrade version)
 - Recommended
 - Latest
 - Beta
 - Alpha
- Allows you to have an “early testers” set of endpoints, etc..

*Auto upgraded when
Cisco publishes a
new version to channel*



Deployment Hierarchy

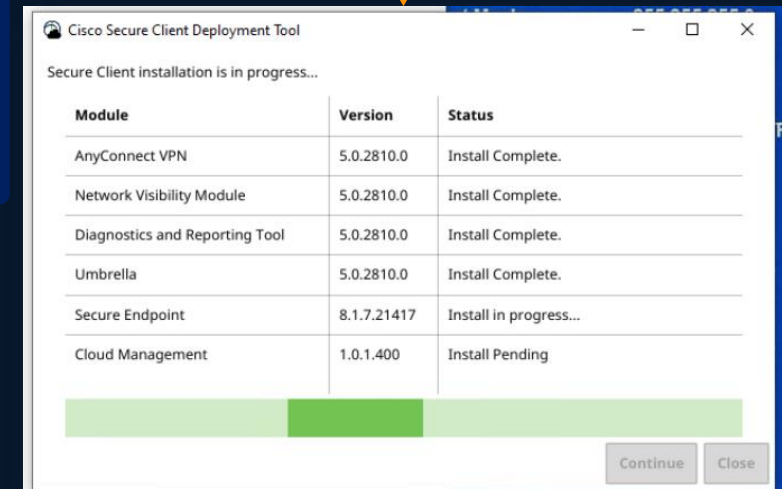
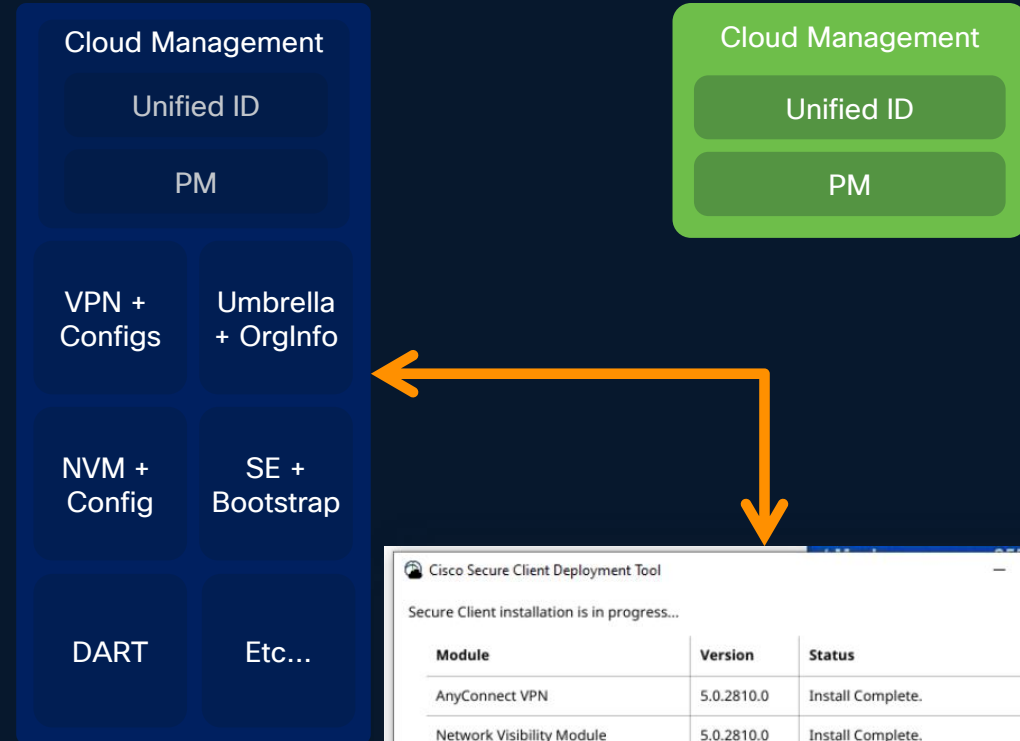
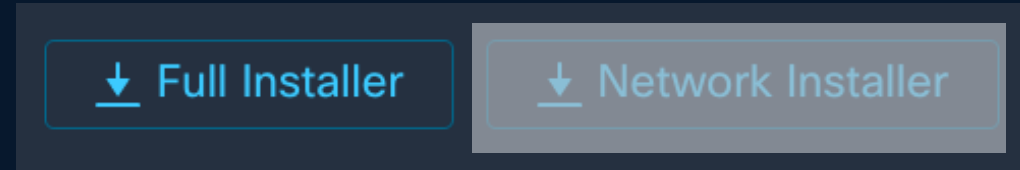
- Computers assigned to 1 Deployment at a time!
- Able to move computers to different Deployments
- Deployment ties together:
 - Chosen Modules
 - Module Software Versions
 - Software “Channel” for updates / versions
 - Profiles (Module Configs)
 - Each Profile can be in up to 45 Deployments (increasing in future)
- Installers are created dynamically based on the Deployment



Installing CSC

Full & Network Installer Options

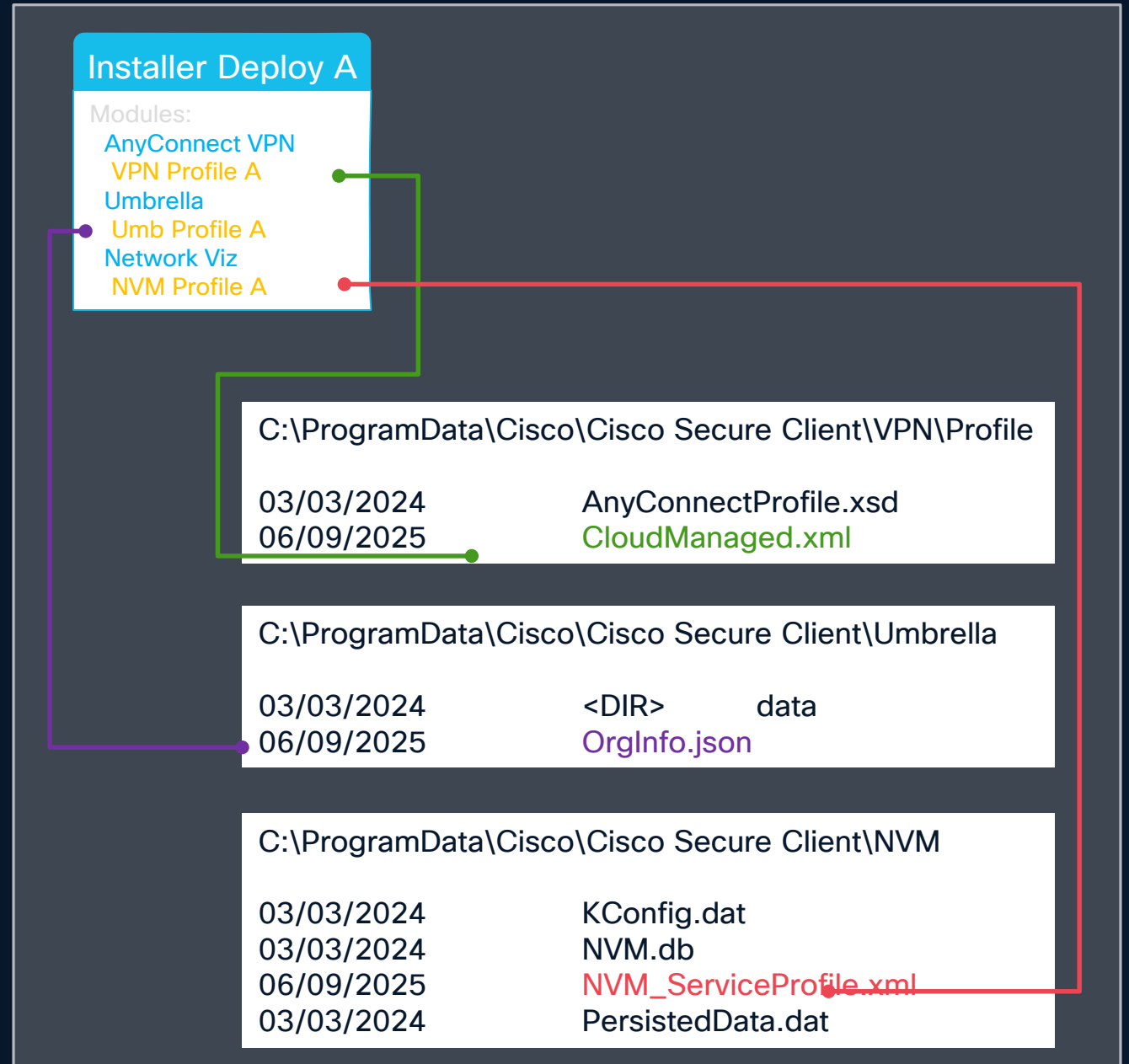
- Full Installer:
 - All selected Modules & their configurations.



Installing CSC

Full Installer Option

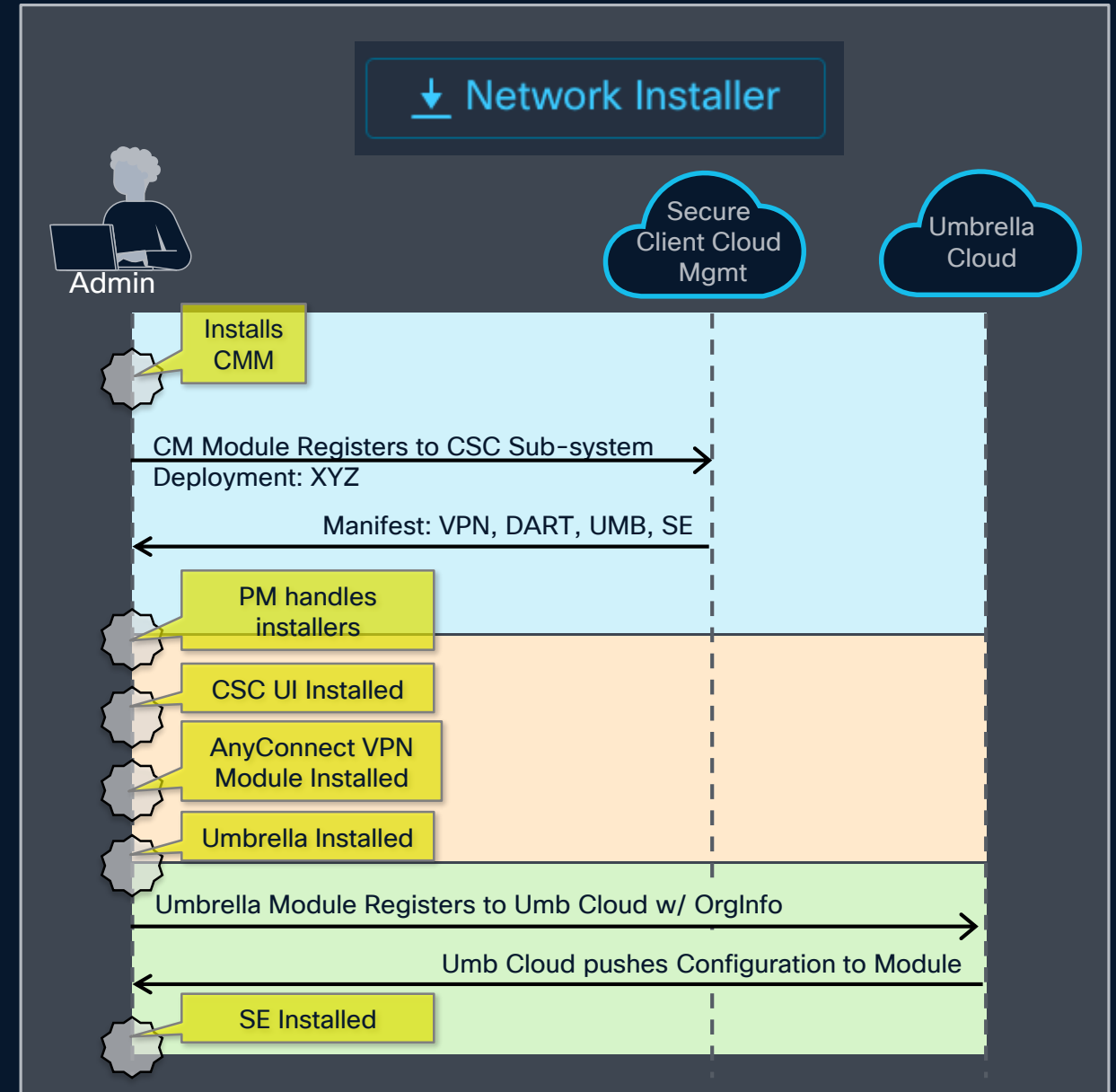
- Contains packages for modules + profiles
- Places the profiles in the correct place
- Renames profile from the 'friendly name' in Cloud Management to the required name (if applicable)



Installing CSC

Network Installer

- Lightweight installer
 - Installs the Cloud Management Module with its config only & Cloud Diagnostic tool
 - Package Manager pulls the manifest from cloud deployment and installs each module and configuration.
- Size Comparison Example
 - Identical module/profile configuration
 - Network Installer: ~37M
 - Full Deploy Installer: ~196M



Installing CSC

Using MDM of choice

- Either Full or Network Installer
 - Using a Device Manager
 - Using your own endpoint software manager
 - However your company normally pushes software

The screenshot displays the Meraki Systems Manager interface. On the left is a navigation sidebar with categories: ORGANIZATION (Cisco SBG), NETWORK (SecurityDemo), Network-wide (Cellular Gateway, Security & SD-WAN, Switch, Wireless), Systems Manager (highlighted), Cameras, Environmental, and Organization. The main content area is titled 'Cisco Secure Client - Cloud Management' and includes a 'Windows' icon. It features tabs for 'Details' and 'Edit'. The 'Details' tab shows the following information:

- Name:** Cisco Secure Client - Cloud Management
- Identifier:** 827aba60-77e2-013a-c842-6d6572616b69
- Version:** 1.0.
- Source:** Meraki Cloud hosted
- Requirements:** This app requires the Systems Manager agent to complete installation. Please ensure that each of your targeted devices have the agent installed.
- App file:** Includes buttons for 'Update file', 'Download', and 'Show'.
- File name:** csc-deploy-ATW-Deployment(1).exe
- Updated at:** Jun 1 2022 16:12
- Options:** A list of checkboxes: 'Keep app up to date' (checked), 'Auto-install' (checked), 'Install in foreground' (checked), 'Installation arguments' (empty text field), 'Command line' (empty text field), and 'Visible in SSP' (checked).
- Targets:** Includes a 'Group type' section with 'Manual' (selected), 'Named', and 'Configure tags' buttons. Below this is a 'Scope' dropdown set to 'with ANY of the following tags' and a 'Convert to target group' link. At the bottom, the 'Device tags' section shows a tag 'MerakiTestCSC' selected from a list.

Client Management

- Clients
 - Device Names
 - Deployments
 - Versioning
 - Audit Logs
 - Device Events

The screenshot displays the Cisco XDR Client Management interface. The top navigation bar includes the Cisco XDR logo, a user profile for Bill Yazji, and system status icons. The left sidebar contains navigation links for Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (selected), and Administration.

The main content area is titled "Clients" and shows a summary of 4 total clients. It includes a "Device Types" pie chart showing 0 Servers, 4 Desktops, 0 Virtuals, and 0 Mobiles. The "Deployments" section shows two active deployments: PetersonHome (2 devices) and Yazji_Home (1 device), with a "View deployments details" link.

Below the summary is a table of clients with the following columns: Device Name, Deployment, CSC Version, Secure Endpoint Version, Cloud Management Version, Modules, OS, and OS Version. The table lists four clients: fireball, Lily_Computer, Nervous, and TinaLaptop, each with its respective deployment and version information.

Device Name	Deployment	CSC Version	Secure Endpoint Version	Cloud Management Version	Modules	OS	OS Version
fireball	Yazji_Home	5.1.2.42	8.4.0.30201	1.0.1.400	Cloud Management v.1.0.1.400 +5	Windows	11, SP 0.0 (Build 22631.329)
Lily_Computer	PetersonHome	5.1.2.42	8.2.3.30119	1.0.3.433	Cloud Management v.1.0.3.433 +5	Windows	11, SP 0.0 (Build 22631.344)
Nervous	Yazji_Gaming	5.1.3.62	8.2.4.30130	1.0.3.433	Cisco Secure Endpoint v.8.2.1.21650 +6	Windows	11, SP 0.0 (Build 22631.359)
TinaLaptop	PetersonHome	5.1.0.136	8.1.7.21585	1.0.1.400	Cloud Management v.1.0.1.400 +5	Windows	11, SP 0.0 (Build 22631.329)

Moving Deployments

- Admin role only
- “Desired Deployment”
 - The move will not happen until the endpoint checks in with the cloud again.
 - But the UI may show that it is already in that target deployment.

The screenshot displays the Cisco XDR Client Management interface. On the left is a navigation sidebar with options: Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (selected), and Administration. The main content area is titled 'Clients' and shows a summary of 4 total clients. It includes two status boxes: '1 Not Seen In Over 7 Days' and '0 Windows 10'. Below these are two more boxes: '2 Need Connector Update' and '4 Windows 11'. To the right is a 'Device Types' section with a large pink circle and a list of device types: Server (0), Desktop (4), Virtual (0), and Mobile (0). The main table lists clients with columns for Device Name, CSC Version, Secure Endpoint Version, and Cloud Management. A dropdown menu is open for the 'fireball' device, showing a list of deployment options: PetersonHome, Yazji_Gaming, Yazji_Home, XDR Default Deployment, and LP_Chiro. A 'Move' button is visible at the bottom of the dropdown. The table also shows a 'Lily_Computer' device with its respective versions.

Device Name	CSC Version	Secure Endpoint Version	Cloud Management
fireball	5.1.2.42	8.4.0.30201	1.0.1.400
Lily_Computer	5.1.2.42	8.2.3.30119	1.0.3.433

Deployments w/ Secure Endpoint and Orbital

Configuring Secure Endpoint

Select Desired SE Version

Select your SE Organization

There can be more than one

Choose the SE Group

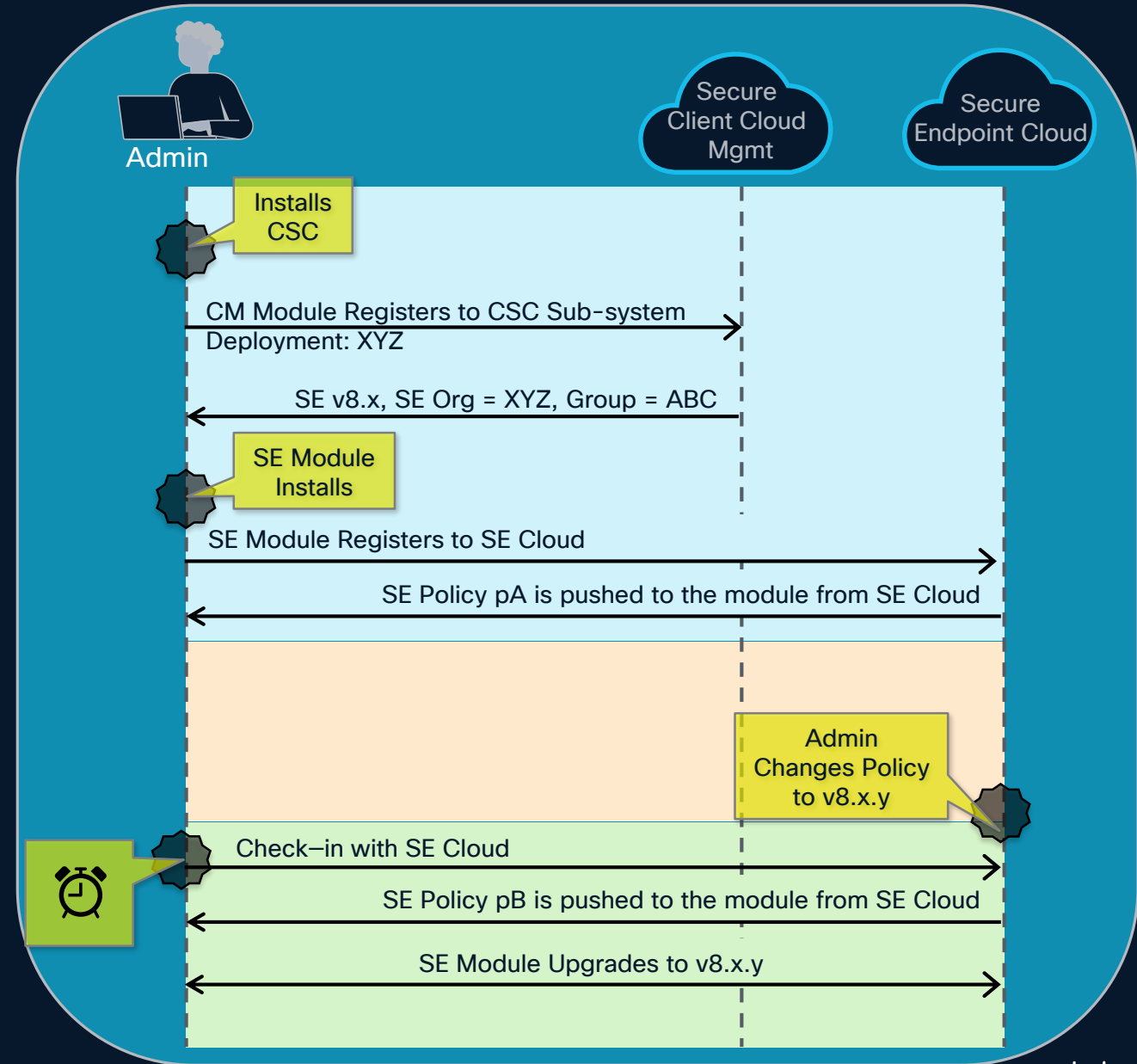
Endpoints who 'net new' install the module via this deployment, will be assigned to this group, when the CSE module registers with the CSE cloud.

The bootstrap file configures new installs of SE to join that Secure Endpoint org and that group

B

Bootstrap?

- Secure Client config is just to get the SE module to install & register to SE Cloud.
- Then: ALL group & policy control of the SE module comes from SE Cloud.
- SE group changes, software updates, etc...
- Cloud Management can still update software versions through deployment.



Secure Endpoint Version Updates

Highest Version Wins!

ATW-Deployment [Edit Name](#) [Delete](#) [Save](#) [Full Installer](#) [Network Installer](#)

Latest (1.0.1.400) ▾

Cloud Management ATW-CM-Config ▾

Latest (8.1.3.21242) ▾

Secure Endpoint Group: ATW-Production [Replace Bootstrap Profile](#)

Latest (5.0.1242.0) ▾

Anycorp VPN ATW-CEF-Profile ▾ ☐ Start Before Logon ☒ Umbrella SBG-Umbrella ▾

Latest (8.1.3.21242) ▾

Secure Endpoint Group: ATW-Production [Replace Bootstrap Profile](#)

< Edit Policy Windows

Name ATW-Production

Description A policy we will use to illustrate the power of AMP for Endpoints

Modes and Engines

Exclusions 41 exclusion sets

Proxy

Outbreak Control

Device Control

Product Updates

Advanced Settings

Deprecated Settings

Secure Client computers will update to the highest version of connector configured through SecureX or Secure Endpoint console.

Product Version 8.0.1.21164 ▾ ⓘ
1 of 30 computers must reboot. [Details](#)

Update Server upgrades.amp.cisco.com

Date Range 2022-08-21 21:49 2023-02-22 21:49 ⓘ

Update Interval 30 minutes ⓘ

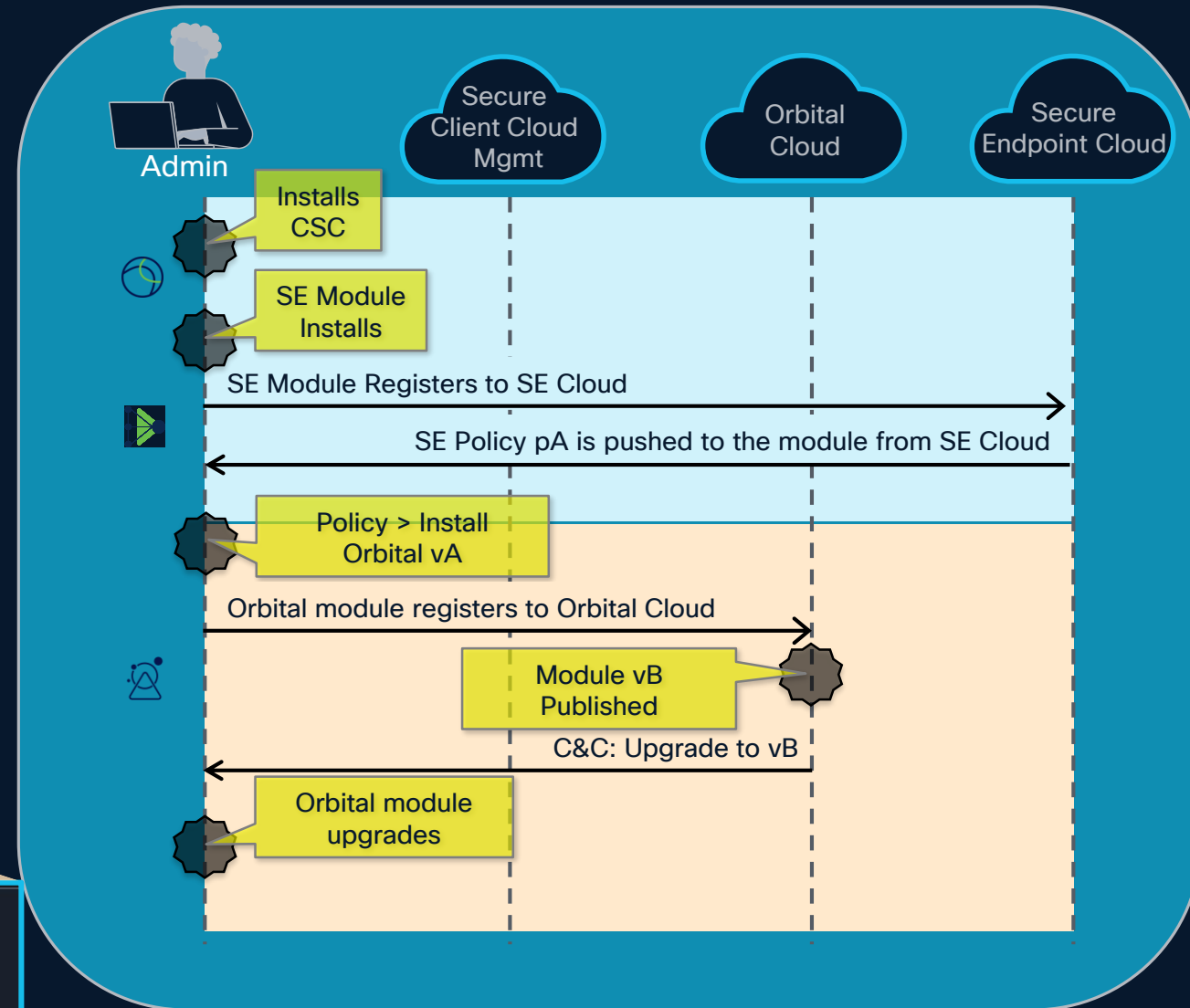
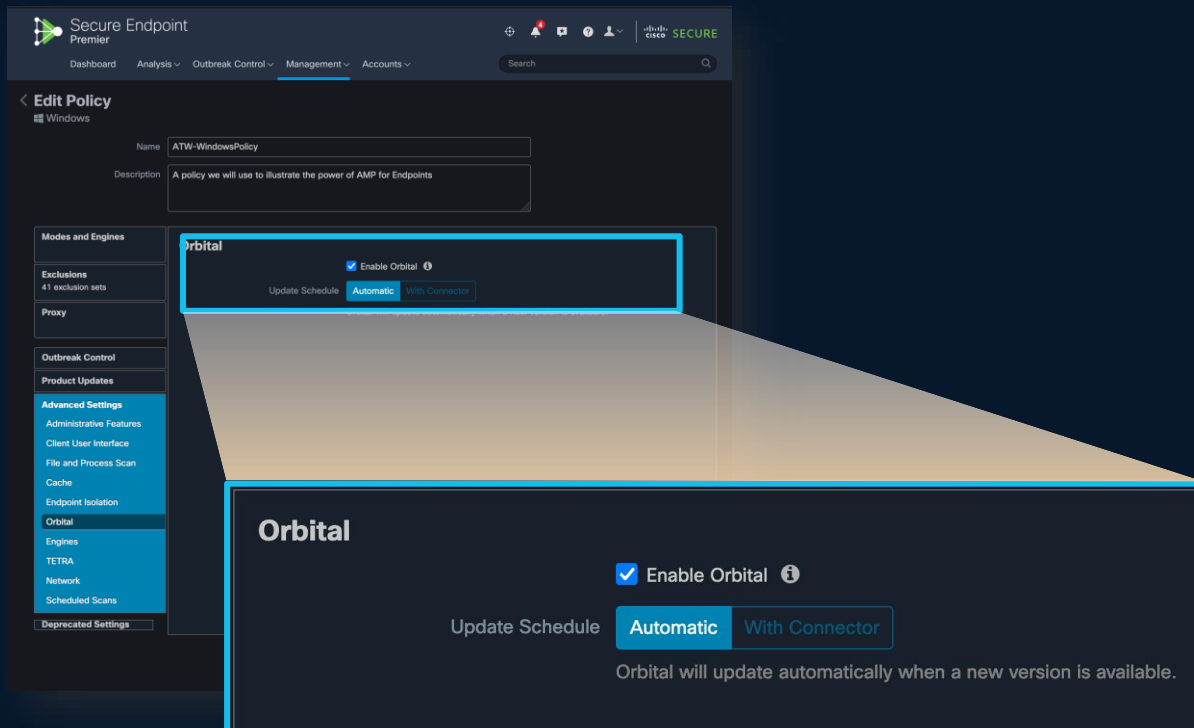
☐ Block Update if Reboot Required ⓘ

Product Version 8.0.1.21164 ▾ ⓘ
1 of 30 computers must reboot. [Details](#)

[Cancel](#) [Save](#)

Deploying Orbital – Option A

- Install Orbital as part of Secure Endpoint
- Updates with SE Connector or when published on Orbital Cloud
- Controlled in Secure Endpoint UI



Deploying Orbital – Option B

- Install Orbital Standalone (XDR customers only)
- Cloud Management controlled



← Deployments

Orbital / XDR Only

Windows / amd64

Cancel Save

✓ Deployment Name

✓ Cloud Management

✓ Secure Endpoint

✓ Secure Client

✓ Secure Access Root Certificate

✓ Zero Trust Access

7 Orbital

Orbital

☒

Orbital provides endpoint visibility and control. It allows you to run queries and scripts to investigate and respond to threats. Note: Secure Endpoint customers should not enable this module. Deploy Orbital through your Secure Endpoint policies under Advanced Settings → Orbital

Version Control

Recommended (2.32.3.0) ▾

Agenda

- 01 CSC Overview
- 02 CSC Architecture
- 03 Cloud Deployment & Management
- 04 Upgrading to CSC
- 05 FAQs, Tips and Tricks

Upgrading

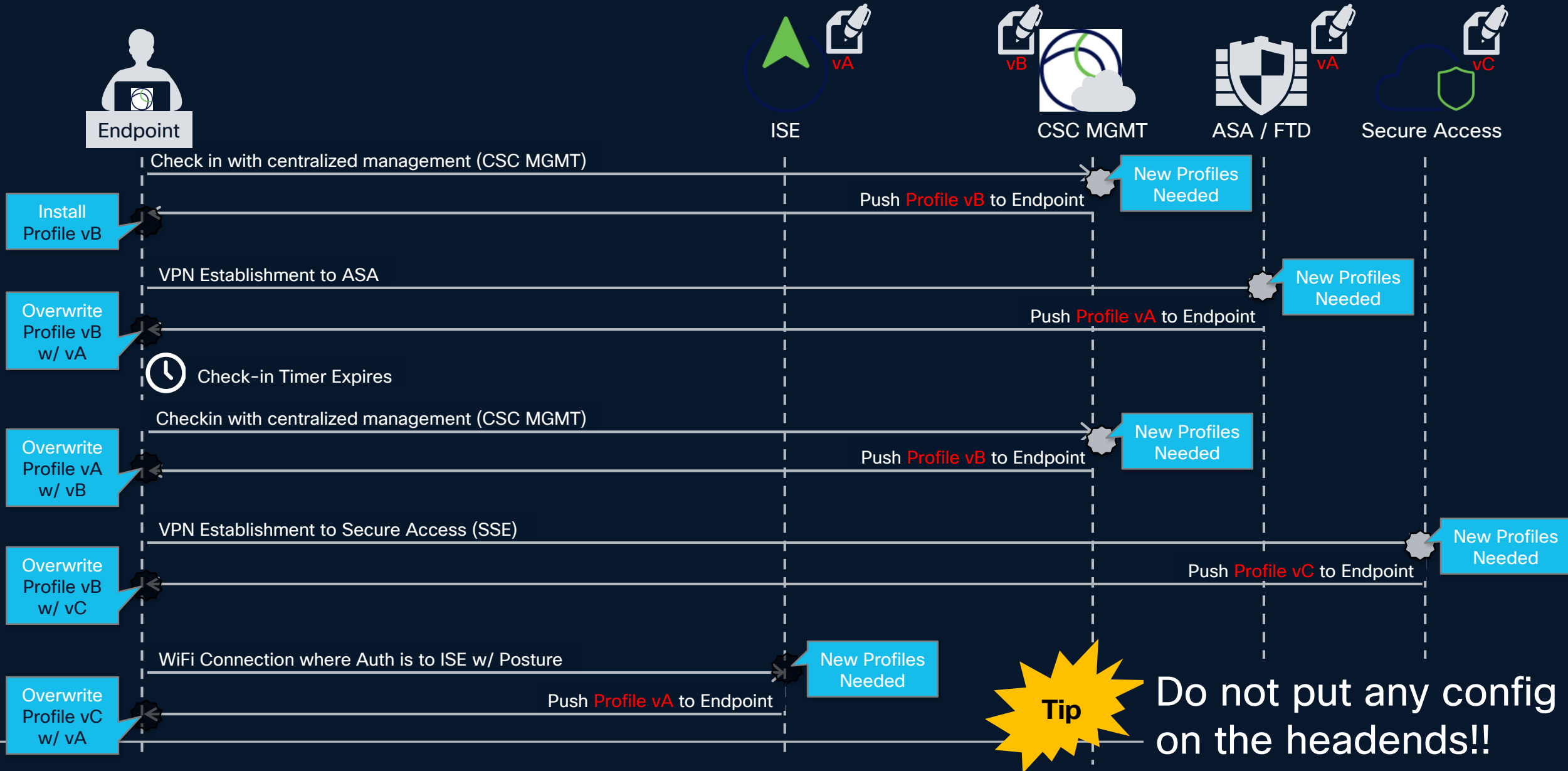
Upgrading

- Cisco Secure Client WILL uninstall the old versions when it is installed.
 - Cloud Install from Secure Endpoint
 - Inline upgrade from AnyConnect
- Secure Endpoint Group behavior
 - Fresh install vs. upgrade
 - Secure Endpoint management nuances

Overwriting from other Headends

- Scenario: mismatched profiles
 - CSC deployment in cloud has a Profile vC
 - ASA group policy pushes Profile vA
 - Upon connecting to the ASA Headend, the Profile will be replaced with vA.
 - CSC Cloud Management update occurs (say C hours later), it will replace vA w/ vC.
 - This cycle will continue until the ASA and CSC deployment in Cloud Management are aligned.
- Pro Tip: Do not put any config on the headends!!

The Epic Struggle of Competing Control Points

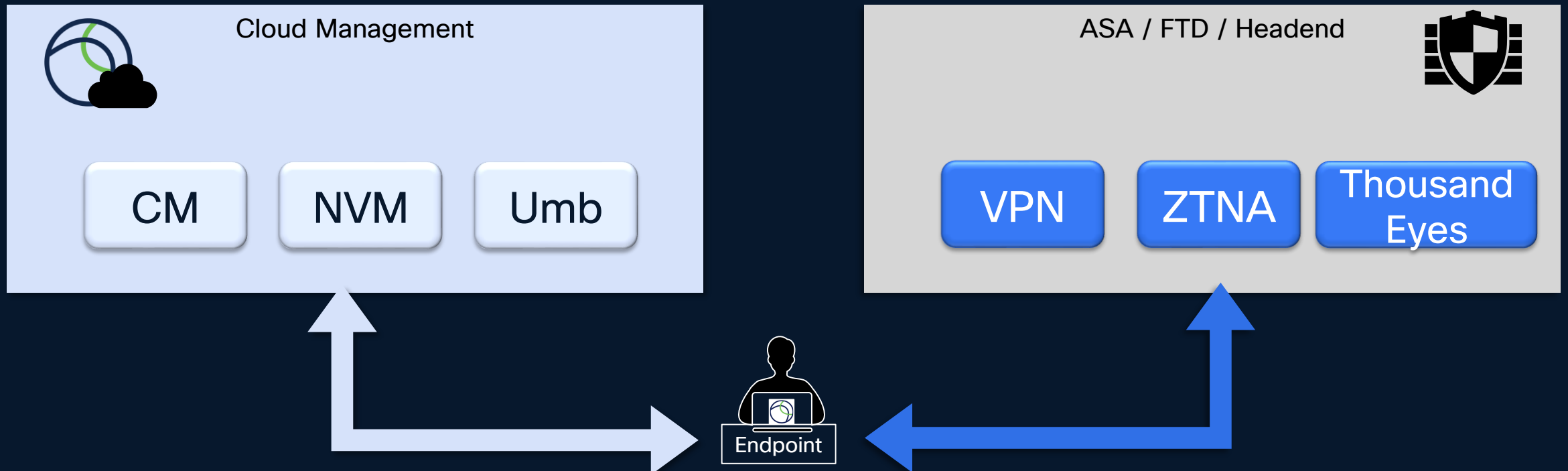


Details on Profile Merges

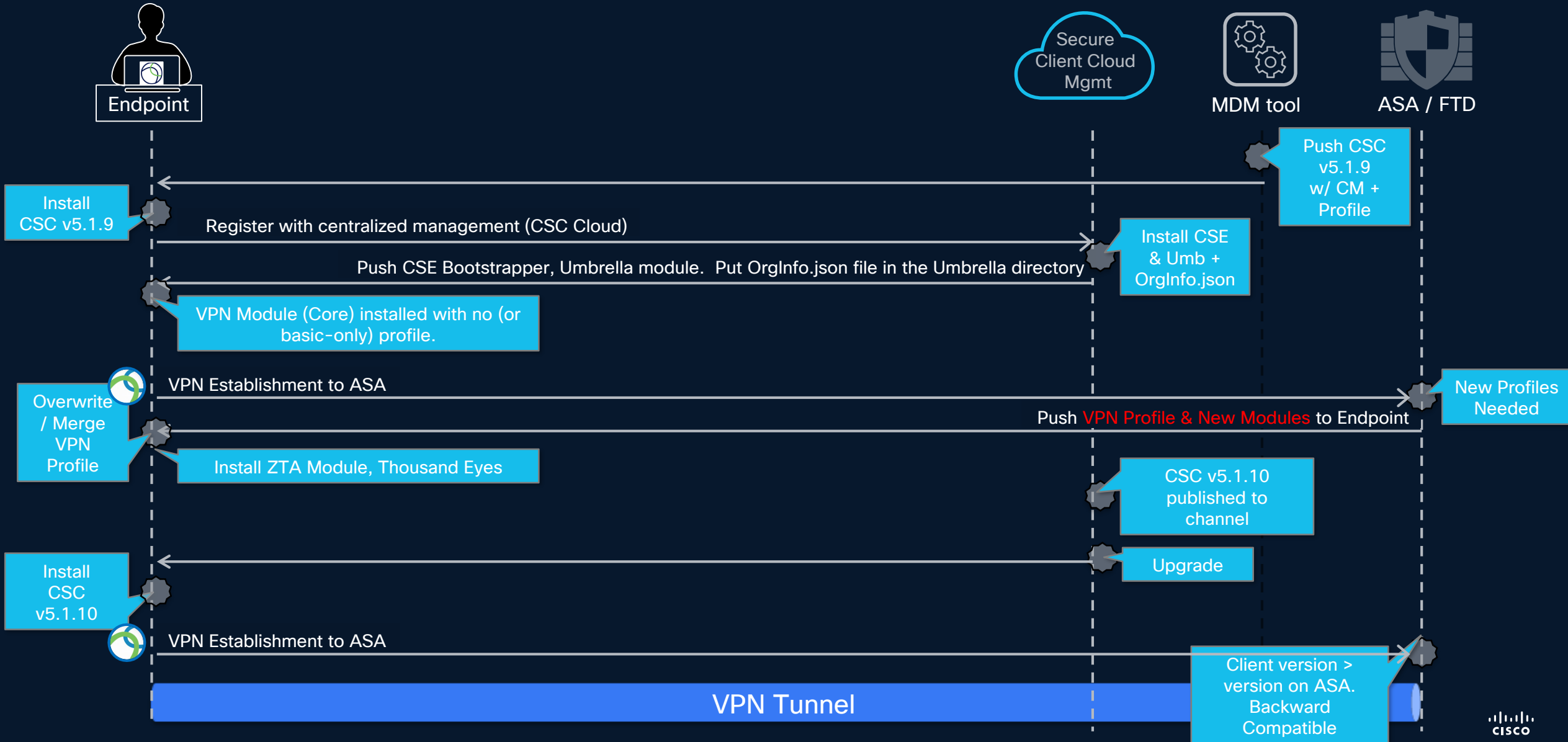
- If filenames match: ASA will overwrite the profile
 - If filenames don't match: both profiles will be detected by VPN and behavior might be a little wonky... Some settings get merged from all detected profiles
 - Recommendation: load the Cloud Profile immediately on the ASA with same Filename
- Do not put any config on the headends!!

Hybrid (Headend & Cloud)

- Cloud management **does not** have to manage all modules
- Cloud Management **can not** manage all modules (yet...)
 - The profiles (configs) can come from either place
 - Recommended to not host the same module profiles in multiple locations

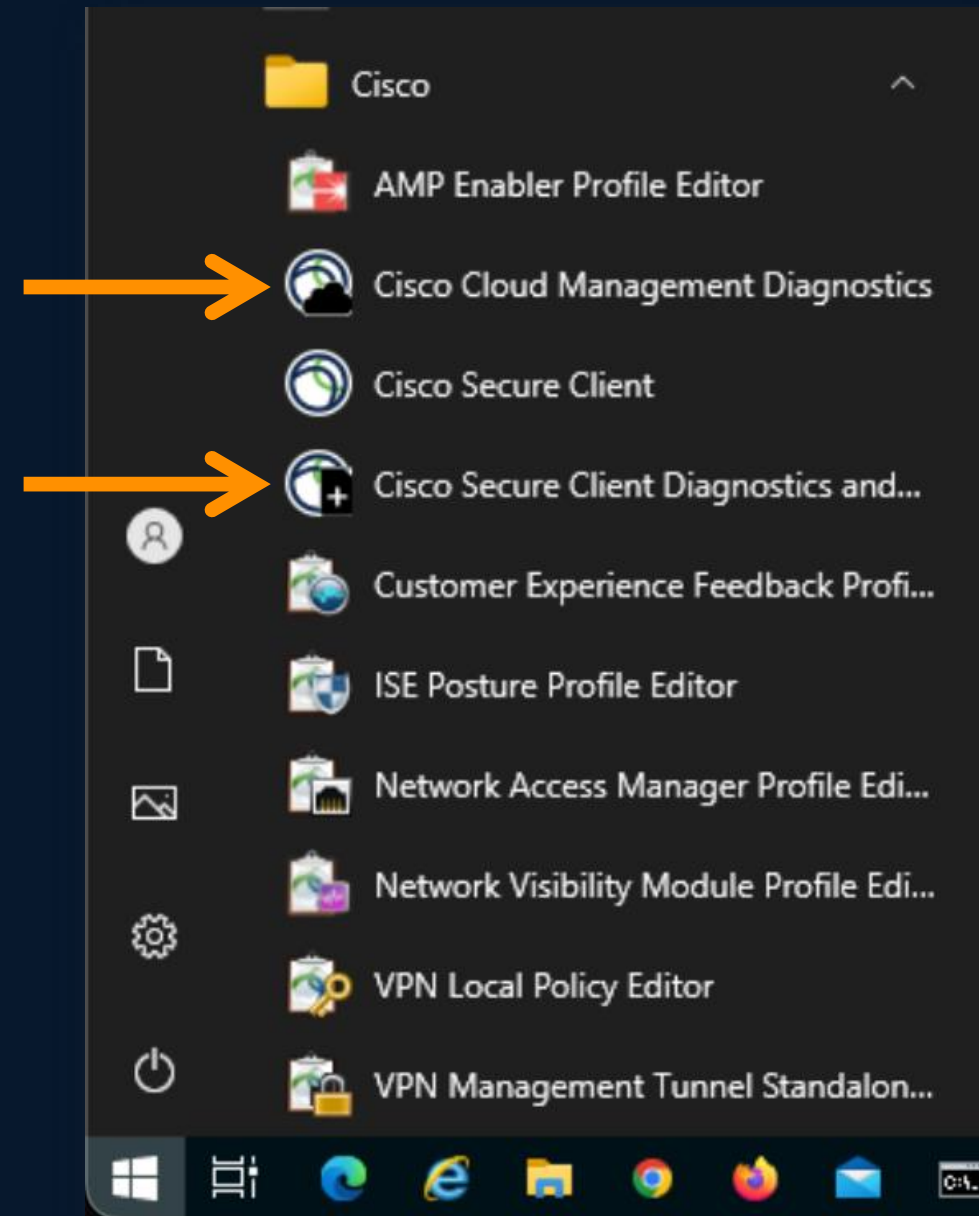


Hybrid (Headend & Cloud)



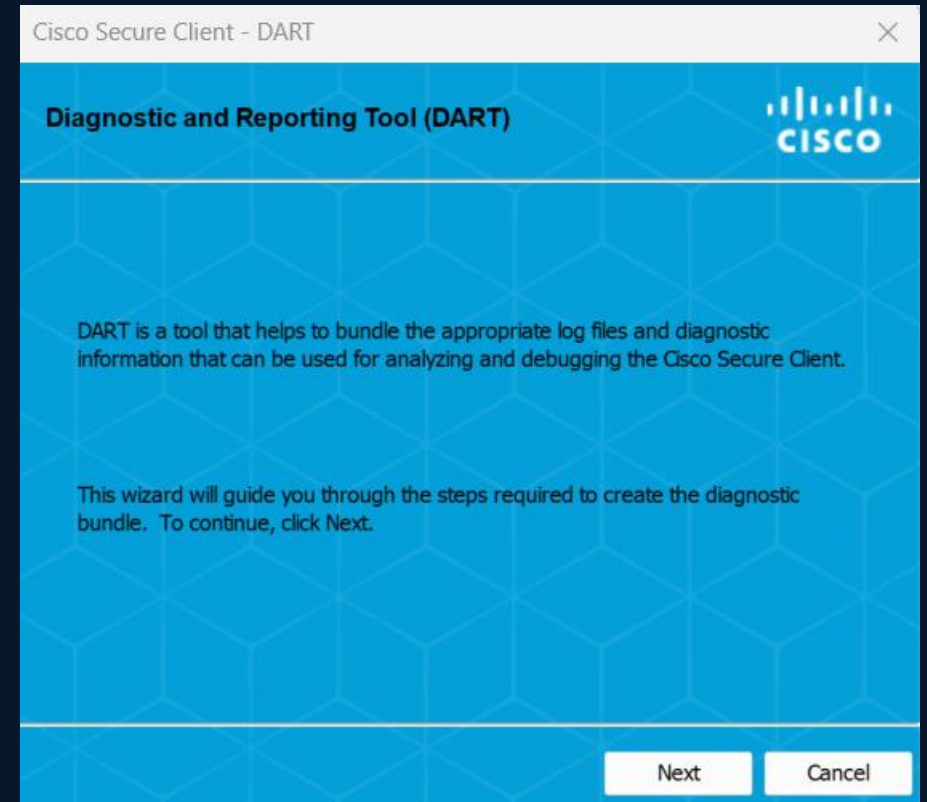
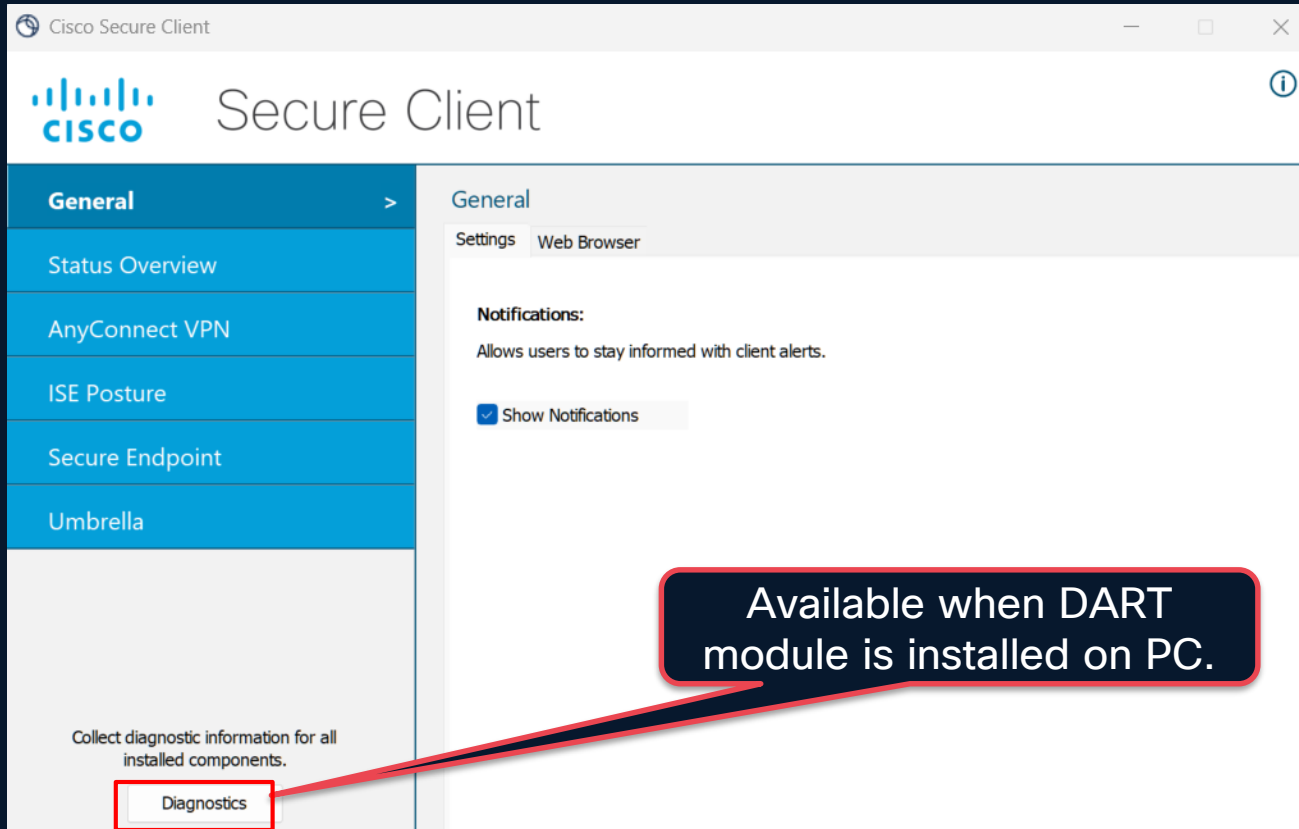
Secure Client Diagnostics

- *“Dart or it Didn’t Happen”*
- DART is still the perfect endpoint troubleshooting bundling tool.
- Only available if you install it.
- What about for troubleshooting Cloud Management only?
 - Cloud Management Diagnostics



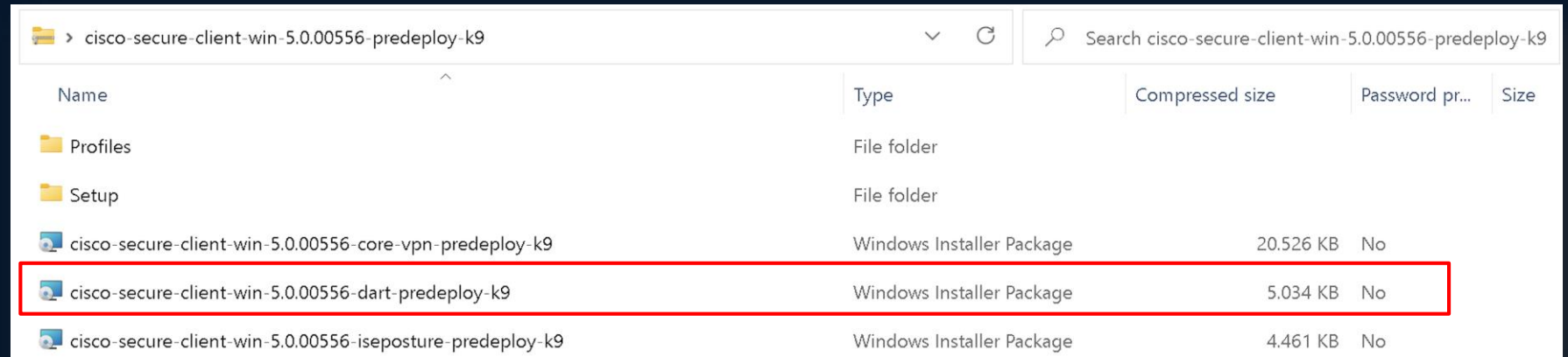
The DART “Bundle”

- DART is the Secure Client tool to collect data for troubleshooting installation and connection problems.



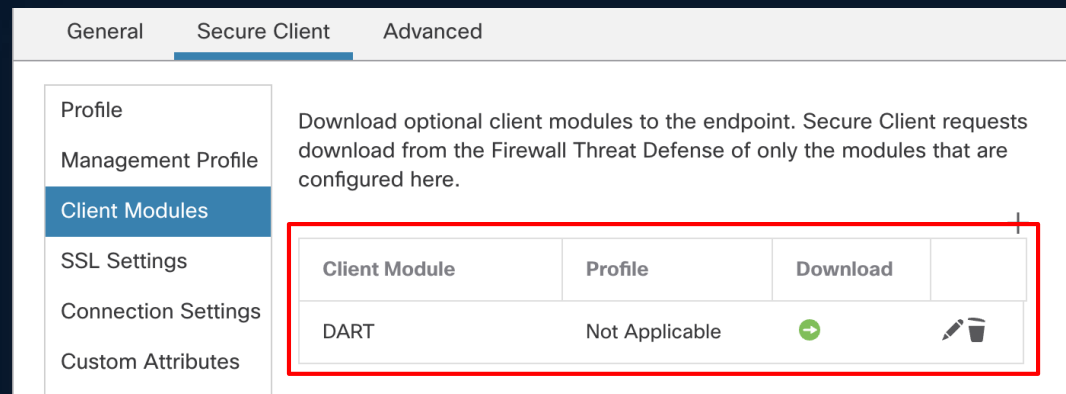
DART Module Installation

- The DART can be installed manually using the **msi** file included in the the pre-deploy package:



Name	Type	Compressed size	Password pr...	Size
Profiles	File folder			
Setup	File folder			
cisco-secure-client-win-5.0.00556-core-vpn-predeploy-k9	Windows Installer Package	20.526 KB	No	
cisco-secure-client-win-5.0.00556-dart-predeploy-k9	Windows Installer Package	5.034 KB	No	
cisco-secure-client-win-5.0.00556-iseposture-predeploy-k9	Windows Installer Package	4.461 KB	No	

- Another option is enabling DART module configuration under the Group Policy:



```
ASA# show run group-policy GPA
group-policy GPA attributes
[.]
webvpn
  anyconnect keep-installer none
  anyconnect modules value dart
```

DART Module Installation

- Enabled in Cloud Management

← Deployments

Yazji_Home Cancel Save

Windows / amd64

- ✓ Deployment Name
- ✓ Cloud Management
- ✓ Secure Endpoint
- 4 Secure Client**
- 5 Secure Access Root Certificate
- 6 Zero Trust Access
- 7 Orbital
- 8 Forensics

Secure Client

Version Control Latest (5.1.3.62) ▾

AnyConnect VPN Profile Upload Profile Create Profile ↻ Start Before Logon

☒ Umbrella Umbrella - byazji ▾

✕ Umbrella - byazji View

☒ **Diagnostics and Reporting Tool**

☐ ISE Posture

☐ Secure Firewall Posture

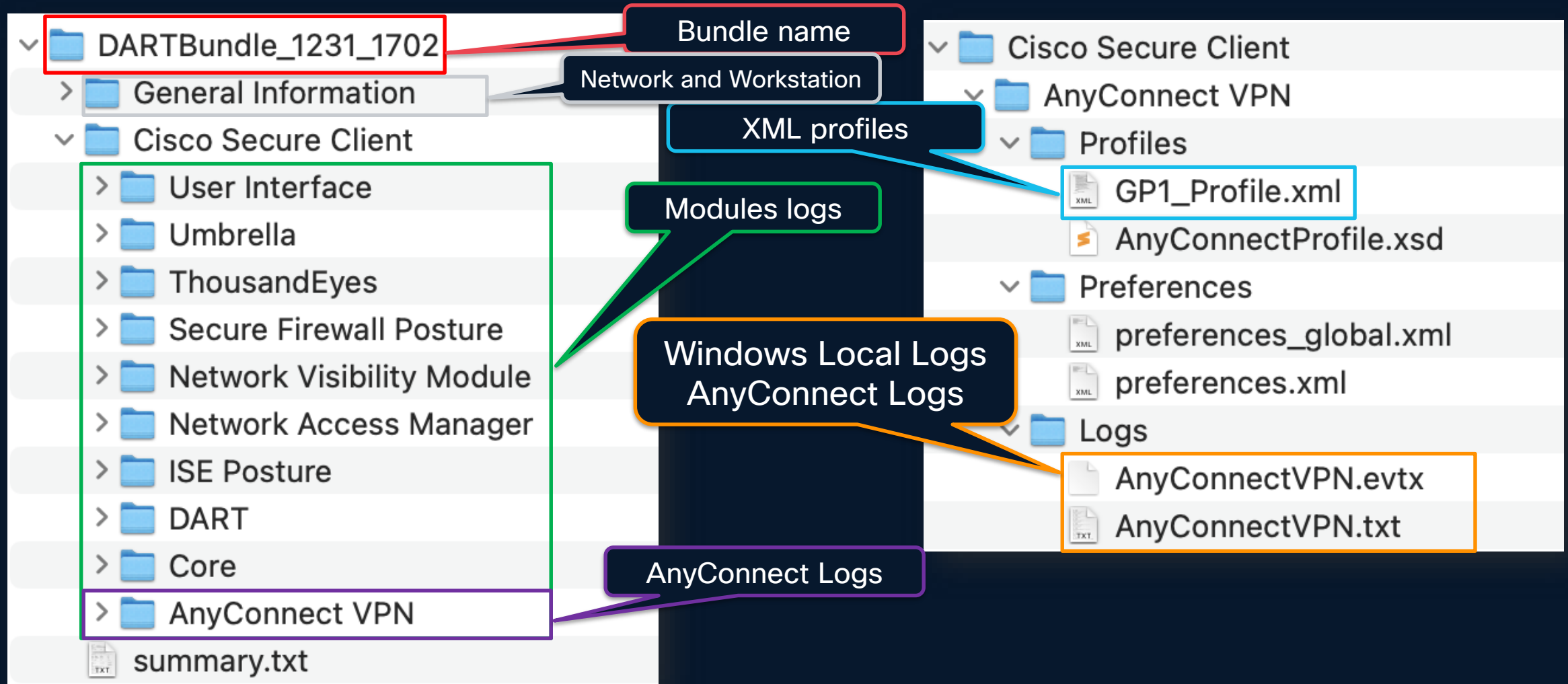
☐ Network Access Manager

☒ Network Visibility Module NVM Cloud Default Profile ▾

✕ NVM Cloud Default Profile View

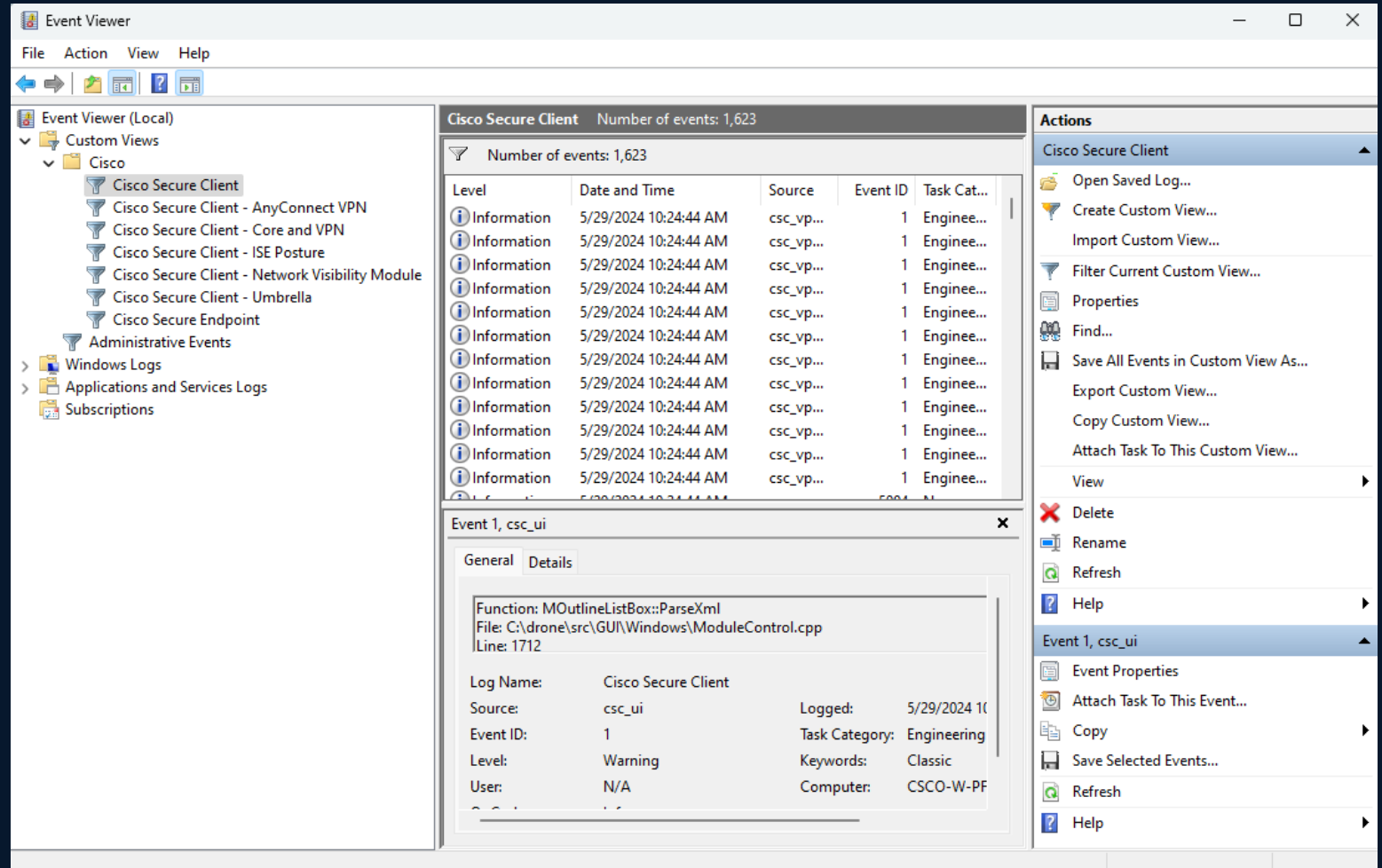
Cancel Back Save

Reviewing DART Bundle Content



Secure Client Events / Logs

- All client-side logs for CSC are in the Windows Event Log
- Secure Endpoint
- All Secure Client Modules



Cloud Audit Logging

- An audit trail for all activity related to the management of CSC.
 - Deployment Updates
 - Profile Uploads / Creations
 - Deletions
 - Etc.
- 6 month retention

The screenshot displays the Cisco XDR Audit Logs interface. The left sidebar contains navigation options: Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Devices, Users (Beta), Sources, Client Management, Clients, Deployments, Audit Logs (selected), Profiles, Device Events, Administration, My Account, Integrations, On-Premises Appliances, API Clients, and Users. The main panel, titled 'Audit Logs', shows a table of events. The table has columns for IP, Message, Operation, Target, Timestamp, and User. The first column (IP) shows a single value '38.83.164.140' for the first three rows, and is empty for the rest. The 'Message' column contains detailed system logs, such as 'Updated installations for computer "loxx-win10vic03" (ID 1b997c56-0666-4e6d-927a-86fa3ce55656)' and 'User "loxx@securitydemo.net" updated configuration file "Secure Endpoint Bootstrapper - 18c42a84-f493-4d81-b6b2-f99f215d466e - 12f5f95a-b256-4cd2-8abf-9c8682eadc6" (format "amp") (ID 6a87f742-e721-4337-92b9-191ffc99b071). Configuration has 2 dependent deployments.' The 'Operation' column consistently shows 'write'. The 'Target' column shows 'computer' or 'config-file'. The 'Timestamp' column shows dates from 2024-01-19T21:01:31.942423235Z to 2024-01-19T18:27:21.692906074Z. The 'User' column shows 'admin:9992027f-a88b-4b0e-8a38-58ad317c58af@2e0e9eaf-eaf7-4449-9c07-9fb1828a6c78' for the first row and is empty for the others. At the bottom of the table, it says '100 items loaded'. The bottom right corner of the interface has the Cisco XDR logo.

IP	Message	Operation	Target	Timestamp	User
38.83.164.140	Updated installations for computer "loxx-win10vic03" (ID 1b997c56-0666-4e6d-927a-86fa3ce55656).	write	computer	2024-01-19T21:01:31.942423235Z	
	Updated installations for computer "loxx-win10vic01" (ID b82fa451-03e8-49ee-a31c-a2a75d978406).	write	computer	2024-01-19T20:49:44.990564968Z	
	User "loxx@securitydemo.net" updated configuration file "Secure Endpoint Bootstrapper - 18c42a84-f493-4d81-b6b2-f99f215d466e - 12f5f95a-b256-4cd2-8abf-9c8682eadc6" (format "amp") (ID 6a87f742-e721-4337-92b9-191ffc99b071). Configuration has 2 dependent deployments.	write	config-file	2024-01-19T20:31:26.415967825Z	admin:9992027f-a88b-4b0e-8a38-58ad317c58af@2e0e9eaf-eaf7-4449-9c07-9fb1828a6c78
	Updated installations for computer "loxx-win10vic06" (ID 1ce3545e-4ea7-4a9a-b6ea-6cea59de471f).	write	computer	2024-01-19T20:29:49.690792326Z	
	Updated installations for computer "loxx-win10vic07" (ID 8fa133d4-f31f-40ac-9ecc-066da5a8d138).	write	computer	2024-01-19T20:27:24.7592943Z	
	Updated installations for computer "loxx-win10vic02" (ID e6856baf-8771-43fa-b829-4c973b9d29d2).	write	computer	2024-01-19T20:26:46.269256098Z	
	Updated installations for computer "ATW-SurfaceBook" (ID 9ca6e18f-4110-4e7b-9054-0b1026bc8f0f).	write	computer	2024-01-19T20:11:47.910725356Z	
	Updated installations for computer "loxx-win10vic03" (ID 1b997c56-0666-4e6d-927a-86fa3ce55656).	write	computer	2024-01-19T20:01:29.891409833Z	
	Updated installations for computer "loxx-win10vic01" (ID b82fa451-03e8-49ee-a31c-a2a75d978406).	write	computer	2024-01-19T19:49:43.982545417Z	
	Updated installations for computer "atw-win10-jump" (ID 72014d6e-51a0-48d6-aa6b-192ba8da2d43).	write	computer	2024-01-19T19:38:03.565080994Z	
	Updated installations for computer "loxx-win10vic07" (ID 8fa133d4-f31f-40ac-9ecc-066da5a8d138).	write	computer	2024-01-19T19:27:23.42866749Z	
	Updated installations for computer "loxx-win10vic02" (ID e6856baf-8771-43fa-b829-4c973b9d29d2).	write	computer	2024-01-19T19:26:44.947375226Z	
	Updated installations for computer "ATWstudio" (ID e5036a97-eaa6-4824-a14d-e26b8c0d4589).	write	computer	2024-01-19T19:16:18.743111645Z	
	Updated installations for computer "atw-win10-airwatch" (ID 4626706a-e807-4bd8-b0c5-08189eb3351d).	write	computer	2024-01-19T19:10:05.990110508Z	
	Updated installations for computer "loxx-win10vic03" (ID 1b997c56-0666-4e6d-927a-86fa3ce55656).	write	computer	2024-01-19T19:01:28.72656628Z	
	Updated installations for computer "loxx-win10vic01" (ID b82fa451-03e8-49ee-a31c-a2a75d978406).	write	computer	2024-01-19T18:49:42.791125376Z	
	Updated installations for computer "loxx-win10vic06" (ID 1ce3545e-4ea7-4a9a-b6ea-6cea59de471f).	write	computer	2024-01-19T18:29:47.070481378Z	
	Updated installations for computer "loxx-win10vic07" (ID 8fa133d4-f31f-40ac-9ecc-066da5a8d138).	write	computer	2024-01-19T18:27:21.692906074Z	

100 items loaded

Device Event Logging

- Events where client interacts with cloud:
 - Installations
 - Failures
 - Cloud Related errors
- NOT local logs from device
- 12 month retention

Device Events

Search For Device

fireball

Search for Device

Device Selected

ef6c878a-dee7-489f-b2d3-1aeb05509a2

Host Name	Last Updated	OS Type	OS Version	UID
fireball	May 21, 2024 @ 7:53 PM CDT	windows	11, SP 0.0 (Build 22631.3296)	ef6c878a-dee7-489f-b2d3...

Record Count: 1

Select Device

Filter by Dates

Clear Filter

Apply Filter

Customize

Event Time	Event Type	Timestamp
2024-05-16T14:36:36.25Z	pkg-install	2024-05-16T14:36:36.26Z
<div><div>data: { 6 items</div><div>time: "8.2.4.30130"</div><div>package: "AMP/8.4.0.30201"</div><div>source: "cm-connector"</div><div>time: "2024-05-16T14:36:36.641380055Z"</div><div>time: "2024-05-16T14:36:36.26Z"</div><div>type: "pkg-install"</div></div>		
2024-05-11T19:42:53.18Z	pkg-reconfig	2024-05-11T19:42:53.19Z
<div><div>data: { 6 items</div><div>id: { 1 item</div><div>0 (...): 3 items</div><div>package: "ac-core-vpn/5.1.3.62"</div><div>source: "cm-connector"</div><div>time: "2024-05-11T19:42:53.87310992Z"</div><div>time: "2024-05-11T19:42:53.19Z"</div><div>type: "pkg-reconfig"</div></div>		

Step 1: Select the Computer

Step 2: (optional) Enter Time Range

Step 3: Expand the Event

Agenda

- 01 CSC Overview
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- 05 **FAQs, Tips and Tricks**

CSC for non-Windows/Mac



/ Secure Client (including AnyConnect) / Secure Client 5 / AnyConnect VPN Client Software- 5.1.9.113

- Windows, Mac and Linux Cisco AnyConnect has been **rebranded** Cisco Secure Client
- Linux and mobile apps - No additional features compared to Secure Client
 - Not cloud managed
 - Not integrated with Secure Endpoint (yet)
 - Purpose built apps

Software Download

Downloads Home / Security / VPN and Endpoint Security Clients / Secure Client (including AnyConnect) / Secure Client 5 / AnyConnect VPN Client Software- 5.1.9.113

The image shows a collage of app store listings for Cisco Secure Client and related applications. On the left, the Google Play Store listing for 'Cisco Zero Trust Access' is visible, showing a 3.8-star rating, 13K reviews, and 5M+ downloads. It includes an 'Install' button and a 'Join the beta' section. Below it, the 'About this app' section describes it as a business app for seamless and secure connection. To the right, the App Store listing for 'Cisco Secure Client' is shown, featuring a 5.0-star rating and a 'Get' button. Below this, the 'Cisco Security Connector' app is also displayed with a 2.9-star rating. At the bottom, there are preview images of the apps on mobile devices, showing the 'Welcome to Zero Trust Access' and 'Cisco Security Connector' interfaces. A green Android robot icon and an iOS logo are also present at the bottom of the collage.

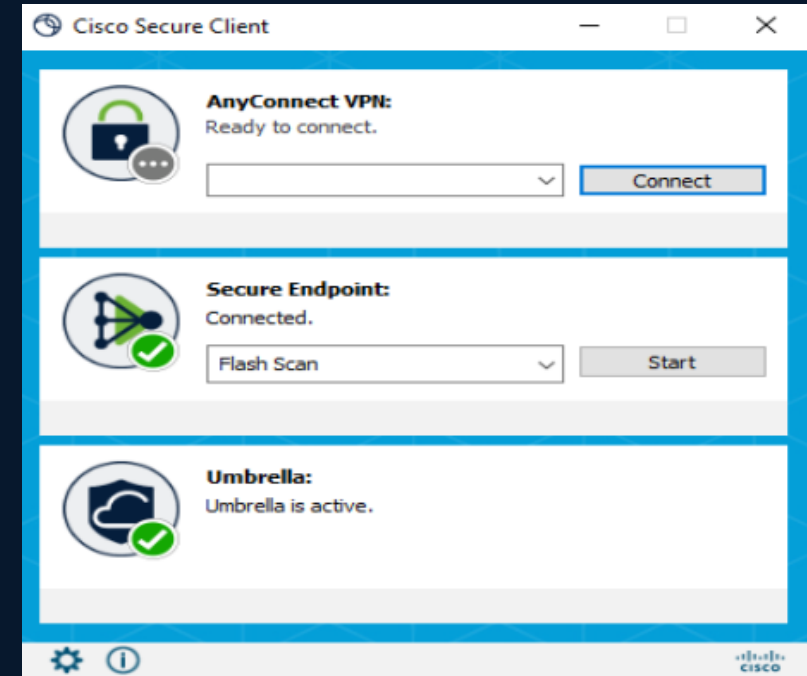
Frequently Asked Questions

- Traditional Secure Client modules are still version locked together
- Duo is not in Secure Client yet
- Win/macOS Cloud Mgmt
- Linux – no firm dates
- A profile may only be in up to 45 deployments
 - TAC case to extend it
- Secure Client may be used with or without the Cloud Management, except XDR
- No “web-deploy” package for the Cloud-Management Module

Common Ask: Hide that VPN Module

“I just have Umbrella or Secure Endpoint, I don’t want to confuse my users”

“We do not use AnyConnect, why is it there?”

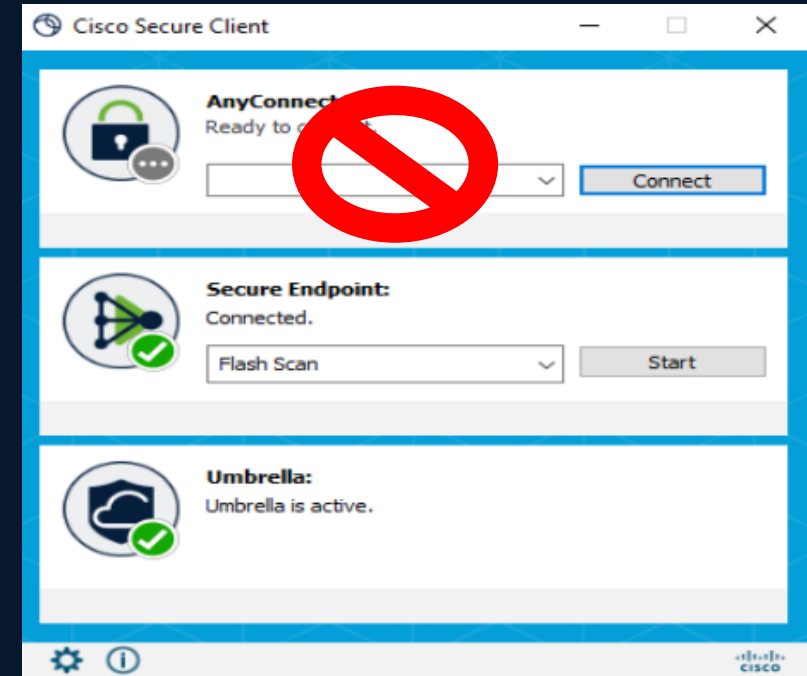


<https://support.umbrella.com/hc/en-us/articles/18211951038740-How-to-hide-the-VPN-module-in-Cisco-Secure-Client-Windows>

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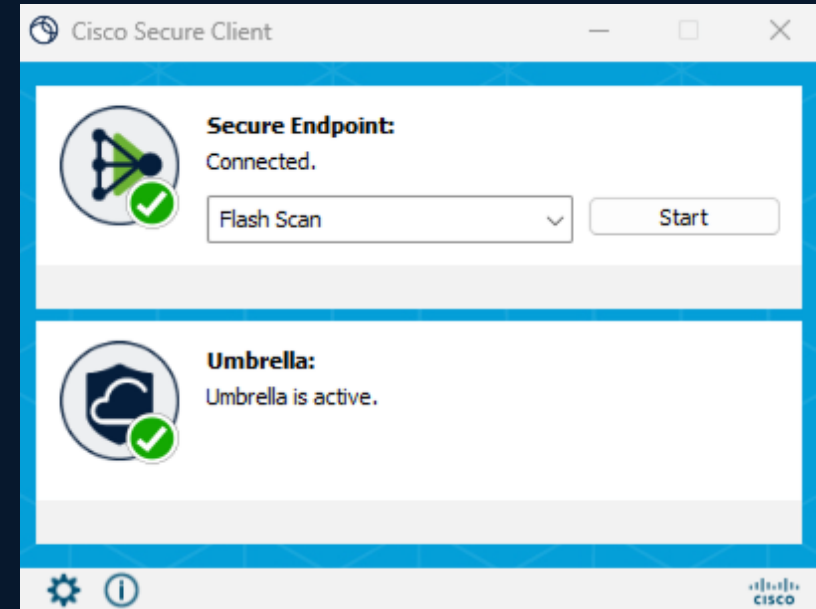


<https://support.umbrella.com/hc/en-us/articles/18211951038740-How-to-hide-the-VPN-module-in-Cisco-Secure-Client-Windows>

Common Ask: Hide that VPN Module

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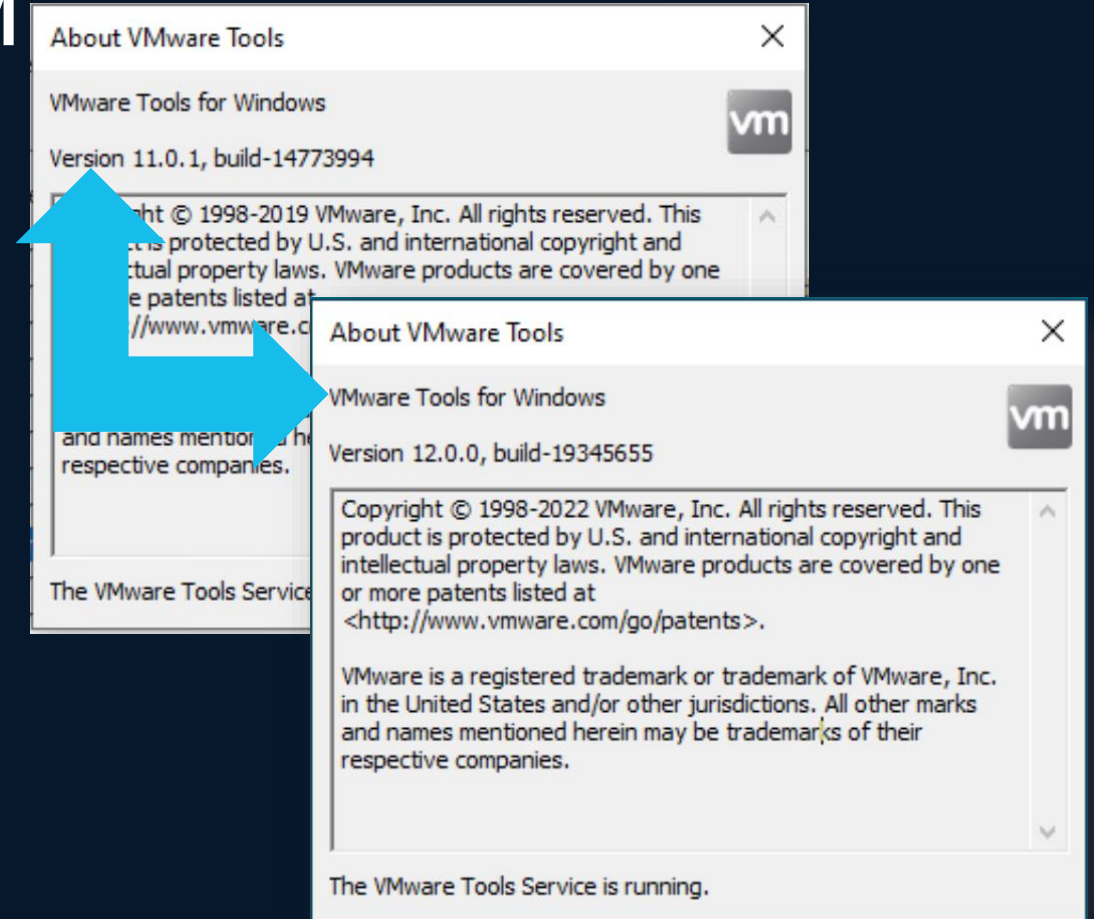
“We do not use AnyConnect, why is it there?”



<https://support.umbrella.com/hc/en-us/articles/18211951038740-How-to-hide-the-VPN-module-in-Cisco-Secure-Client-Windows>

Common Issue: Installing on VM

- Fyne error: window creation error
- CSC will not install on VMWare Virtual Machine
 - **Cause:** VMTools is outdated / Missing Open GL drivers
 - **Solution:** Upgrade to latest VMTools, install Mesa OpenGL or do command line
 - CLI install with a -q option



```
C:\Users\x\Downloads>".\csc-deploy-ATW-Deployment.exe"
```

```
C0CC/05/A7 A3:A3:C9 Fyne error: window creation error
```

```
C0CC/05/A7 A3:A3:C9 Cause: APIUnavailable: WGL: The driver does not appear to support OpenGL
```

```
C0CC/05/A7 A3:A3:C9 At: E:/workspace/workspace/maine3a9eCe0/source/vendor/fyne.io/fyne/vC/internal/driver/glfw/driver.go:AC3
```

Common Issue: Installation updates

“I installed the Network Installer, but nothing is getting installed”

“I changed profile / software version in the deployment & it is not updating”

Check the Product Update Window

The screenshot shows the 'Product Update Window' configuration page. A blue banner at the top says 'Check the Product Update Window'. Three blue arrows point from this banner to specific settings: the 'Enable Product Update Window' toggle, the 'Day' selection (Mon), and the 'Start Time' dropdown (1:00). The interface includes the following elements:

- Product Update Window** (Section Header)
- Enable Product Update Window** (Toggle, currently on)
- If not enabled, product updates can happen at any time. If enabled, product updates will only occur within the specified update window.
- Day** (Selector): Mon (selected), Tue, Wed, Thu, Fri, Sat, Sun
- Start Time** (Dropdown): 1:00
- Period** (Selector): AM (selected), PM
- End Time** (Dropdown): 6:00
- Period** (Selector): AM (selected), PM
- Select Time Zone** (Toggle, currently on)
- If no time zone is selected, the time zone on the endpoint will be used.
- Configure** (Buttons: ^ and v)

Client Management > Profiles > Cloud Management > [Profile]

Virtual Machine Troubleshooting

- Cloning a VM:
 - CMID is dependent on BIOS serial number and BIOS UUID
 - Need to make sure either one of them are changed when a VM is cloned
 - Usually, VMware generates different BIOS UUID if the user selects “copied” option when cloned VM boots the first time.
 - If not, that can be changed in cloned VM. VMware article about changing BIOS UUID: <https://kb.vmware.com/s/article/1002403>
- Platform support:
 - Any hypervisors which supports BIOS serial number and BIOS UUID is supported
- VM Secure Client Troubleshooting
 - Same as what would be followed for desktop/laptop

Another Example – Virtual Machines

- *“Help, I’m not getting NVM data to show up...”*
 - Step A: Get me a DART. Didn’t even bother with troubleshooting before DART.
 - Step C: Jumped to the Cloud Management Module Logs:
 - Why? Because CM is REQUIRED for NVM to the Cloud to work.
- What was seen in the logs?

→ Data grep -rni "ERROR" *

```
acnvmagent_cmidadapi.log:3:[] [BC6B] T: A0FC F: CMIDStoreReader.cpp L: 55 f: cmid::CCMIDStoreReader::GetCMID S: error :: Fetching CMID failed. Returning CMID = []
csc_cmidad.exe.log:A9:[] [706B] T: 5BC F: CMIDUtils.cpp L: A33 f: cmid::GetBinaryRegistryKey S: error :: RegOpenKeyEx failed The operation completed successfully.
csc_cmidad.exe.log:C0:[] [706B] T: 5BC F: AttributeCollectorWin.cpp L: 80C f: cmid::CAttributeCollectorWin::getDeviceID S: error :: Failed to retrieve device details
csc_cmidad.exe.log:CC:[] [706B] T: 5BC F: AttributeCollectorWin.cpp L: 9A f: cmid::CAttributeCollectorWin::GetAttributeList S: error :: Failed to retrieve AC UDID
csc_cmidad.exe.log:C3:[] [706B] T: 5BC F: AttributeCollectorWin.cpp L: A6C f: cmid::CAttributeCollectorWin::getBIOSSerialNumber S: error :: Failed to encode BIOS serial number.
csc_cmidad.exe.log:CB:[] [706B] T: 5BC F: AttributeCollectorWin.cpp L: A07 f: cmid::CAttributeCollectorWin::GetAttributeList S: error :: Failed to retrieve BIOS Serial Number.
csc_cmidad.exe.log:B0:[] [706B] T: A938 F: CloudRequest.cpp L: CC7 f: cmid::IdentityServiceRequest::Serialize S: error :: Mandatory Hardware data missing.
csc_cmidad.exe.log:BA:[] [706B] T: A938 F: CloudCommunicator.cpp L: AC0 f: cmid::CloudCommunicator::communicationThread S: error :: failed to serialise
csc_cmidad.exe.log:B8:[] [706B] T: 5BC F: CMIDAgent.cpp L: CA7 f: cmid::CCMIDAgent::handleCloudResponse S: error :: CMID agent received Identity Response
csc_cmidad.exe.log:B9:[] [706B] T: 5BC F: CMIDAgent.cpp L: 330 f: cmid::CCMIDAgent::handleIdentityServiceResponse S: error :: Error occurred in communication with cloud service:
```

- Result: was using QEMU hypervisor & it didn’t have usable hardware to generate the CMID.

QEMU & KVM Hypervisors

- QEMU & KVM need to add these lines to the VM's XML to pass BIOS arguments to the Guest-OS.
- To see whether the BIOS serial number is passed:
 - Windows and type 'wmic bios get serialnumber'
 - Linux 'dmidecode -s system-serial-number'
 - Example only.
 - Replace the values with unique values

```
<sysinfo type='smbios'>
  <bios>
    <entry name='vendor'>LENOVO</entry>
    <entry name='version'>A.C5</entry>
    <entry name='date'>06/CA/CC</entry>
  </bios>
  <system>
    <entry name='manufacturer'>LENOVO</entry>
    <entry name='product'>Virt-Manager</entry>
    <entry name='version'>0.9.B</entry>
    <entry name='serial'>WB6AAAA6A006A</entry>
    <entry name='uuid'>337eC7d5-9AbC-BA08-79cb-07ebc7dbaf9B</entry>
  </system>
</sysinfo>
<smbios mode='sysinfo'/>
```

Check the NVM Directory

- %programdata%\Cisco\Cisco Secure Client\NVM\
 - 2 files need to be there:
 - 06/03/2025 03:00 PM 311 NVM_BootstrapProfile.xml
 - 06/03/2025 03:05 PM 1,019 NVM_ServiceProfile.xml
 - Make sure the BootstrapProfile.xml shows the Cloud Collector
 - Ensure the ServiceProfile includes the default collection policy
 - *See hidden slides for the contents expected of these files.*
 - If either of these files is missing, we start troubleshooting cloud management of Cisco Secure Client (CSC).

NVM_BootstrapProfile.xml

```
<?xml version="A.0" encoding="UTF-8"?>
<NVMBootstrapProfile xsi:noNamespaceSchemaLocation="NVMBootstrapProfile.xsd"
xmlns:xsi="http://www.w3.org/C00A/XMLSchema-instance">
  <Cloud>
    <CloudServer>intake.prod.[region].tmc.nvmc.csc.cisco.com</CloudServer>
    <CloudPort>BB3</CloudPort>
  </Cloud>
</NVMBootstrapProfile>
```

NVM_ServiceProfile.xml

```
<NVMProfile xsi:noNamespaceSchemaLocation="NVMProfile.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <ProfileVersion>3</ProfileVersion>
  <CollectorConfiguration>
    <ExportTo>Cloud</ExportTo>
    <PingInterval>5</PingInterval>
  </CollectorConfiguration>
  <TemplateReportInterval>60</TemplateReportInterval>
  <AggInterval>5</AggInterval>
  <ThrottleRate>500</ThrottleRate>
  <CollectionMode>all</CollectionMode>
  <CollectionCriteria>
    <Broadcast>false</Broadcast>
    <Multicast>false</Multicast>
  </CollectionCriteria>
  <DataCollectionPolicy>
    <Policy>
      <PolicyName>Default DCP for Cloud</PolicyName>
      <NetworkType>VPN,Trusted,Untrusted</NetworkType>
      <Type>include</Type>
    </Policy>
  </DataCollectionPolicy>
  <Fields>350,AC333,AC33B,AC335,AC336,AC337,AC338,AC339,AC3B0,AC3BA,AC3BC,AC3B3,AC3BB,AC3B5,AC3B6,AC3B7,AC35A,AC35C,AC353,AC356,AC357,AC358,AC360,AC36A,AC36C,AC363,AC365,AC366,AC367,AC368,AC369,AC370,AC37A,AC37C,AC373,AC359A,AC359C</Fields>
</NVMProfile>
```

Do we see traffic?

- Traffic is NOT in the older IPFIX (netflow) format.
- It is inside TLS tunnel to the intake endpoint

intake.prod.apjc.tmc.nvmc.csc.cisco.com

13.238.113.132

3.104.86.153

3.105.255.219

intake.prod.eu.tmc.nvmc.csc.cisco.com

3.68.136.100

3.73.201.90

18.158.108.76

intake.prod.nam.tmc.nvmc.csc.cisco.com

3.228.155.179

34.193.26.136

44.197.148.29

*Ethernet0 10.1.82.1

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp.stream eq 37

No.	Time	Source	Destination	Protocol	Length	Info
616	7.818056	10.1.82.157	44.215.189.243	TCP	66	53958 → 443 [SYN] Seq=0 Win=64240 Len=0
630	7.889794	44.215.189.243	10.1.82.157	TCP	66	443 → 53958 [SYN, ACK] Seq=0 Ack=1 Win=262144 Len=0
631	7.890966	10.1.82.157	44.215.189.243	TCP	60	53958 → 443 [ACK] Seq=1 Ack=1 Win=262144 Len=0
632	7.892076	10.1.82.157	44.215.189.243	TLSv1.2	396	Client Hello
638	7.963137	44.215.189.243	10.1.82.157	TCP	60	443 → 53958 [ACK] Seq=1 Ack=343 Win=262144 Len=0
639	7.963137	44.215.189.243	10.1.82.157	TLSv1.2	163	Server Hello
640	7.963137	44.215.189.243	10.1.82.157	TLSv1.2	180	New Session Ticket, Change Cipher Spec
643	7.963405	44.215.189.243	10.1.82.157	TLSv1.2	99	Encrypted Handshake Message
644	7.964662	10.1.82.157	44.215.189.243	TCP	60	53958 → 443 [ACK] Seq=343 Ack=236 Win=262144 Len=0
645	7.965245	10.1.82.157	44.215.189.243	TLSv1.2	105	Change Cipher Spec, Encrypted Handshake Message
646	7.965850	10.1.82.157	44.215.189.243	TLSv1.2	165	Application Data
661	8.038269	44.215.189.243	10.1.82.157	TCP	60	443 → 53958 [ACK] Seq=281 Ack=505 Win=262144 Len=0
662	8.039038	44.215.189.243	10.1.82.157	TLSv1.2	98	Application Data

> Frame 691: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface \Device\NPF_{EAE9CF-BDA3-4...}

> Ethernet II, Src: Cisco_72:ce:00 (00:1d:71:72:ce:00), Dst: VMware_a1:a4:7c (00:50:56:a1:a4:7c)

> Internet Protocol Version 4, Src: 44.215.189.243, Dst: 10.1.82.157

▼ Transmission Control Protocol, Src Port: 443, Dst Port: 53958, Seq: 606, Ack: 2617, Len: 0

Source Port: 443

Destination Port: 53958

[Stream index: 37]

[Conversation completeness: Complete, WITH_DATA (63)]

[TCP Segment Len: 0]

Sequence Number: 606 (relative sequence number)

Sequence Number (raw): 4090147108

[Next Sequence Number: 606 (relative sequence number)]

Acknowledgment Number: 2617 (relative ack number)

Acknowledgment number (raw): 3069985559

0101 = Header Length: 20 bytes (5)

> Flags: 0x010 (ACK)

Window: 12

[Calculated window size: 49152]

[Window size scaling factor: 4096]

Checksum: 0xf4da [unverified]

[Checksum Status: Unverified]

Urgent Pointer: 0

> [Timestamps]

> [SEQ/ACK analysis]

Cisco Secure Endpoint Remote Uninstall

- Cisco Secure Endpoint added Remote Uninstall
- Only supports standalone CSE
- No Remote Uninstall Support with CSC (yet)

Remote Uninstall

Available for:

- Secure Endpoint Windows connector.

Note: Note that Cisco Secure Client deployed through Cloud Management on Cisco XDR or SecureX is not currently supported.

- Secure Endpoint Mac connector.
- Secure Endpoint Linux connector.

Secure Endpoint administrators can uninstall connectors from endpoints with this feature. Navigate to Management -> Computers and locate the endpoint you want to uninstall. Expand the computer pane and click Uninstall Connector. The endpoint will be removed from the Computers list and an audit log entry and event will be created. This is a full uninstall and will delete the connector history and any files in quarantine.

Note: Isolated connectors and connectors with a proxy enabled cannot be uninstalled remotely. The uninstall button will be unavailable for isolated endpoints. End the isolation session then the uninstall button will be available.

The user will not need to enter a password to uninstall the Secure Endpoint Windows connector if Connector Protection is enabled under [Administrative Features](#) in the policy. A reboot is not required on Windows unless you plan to re-install a connector on the endpoint. No reboot is required for Mac or Linux.

The user will be prompted to enter an administrator password to uninstall the Secure Endpoint Mac connector on unmanaged versions of macOS prior to version 12.0. The uninstall will fail if the user does not enter the administrator password. See [Configure Permissions for Secure Endpoint Mac Connector and Orbital with MDM: Full Disk Access, System Extensions](#) for further details.

Search

Android iOS Network

up **OrbitalOnly** 56

loxx-win10vic04.org26.net	Group	OrbitalOnly
Windows 10 Enterprise (Build 19045.3693)	Policy	ThirdPartyWinPolicy
8.2.1.21650	Internal IP	10.1.82.154
2023-10-26 20:58:53 UTC	External IP	128.107.78.71
8a327cb7-745b-42cf-b86e-2ecfd881033e	Last Seen	2023-12-13 11:56:43 UTC
0000000000000000	Cisco Secure Client ID	1d279cb4-20e4-417b-a819-73094c60c272
	Cisco Security Risk Score	56

Investigate in Orbital

Events Diagnose... Move to Group... **Uninstall Connector** Delete

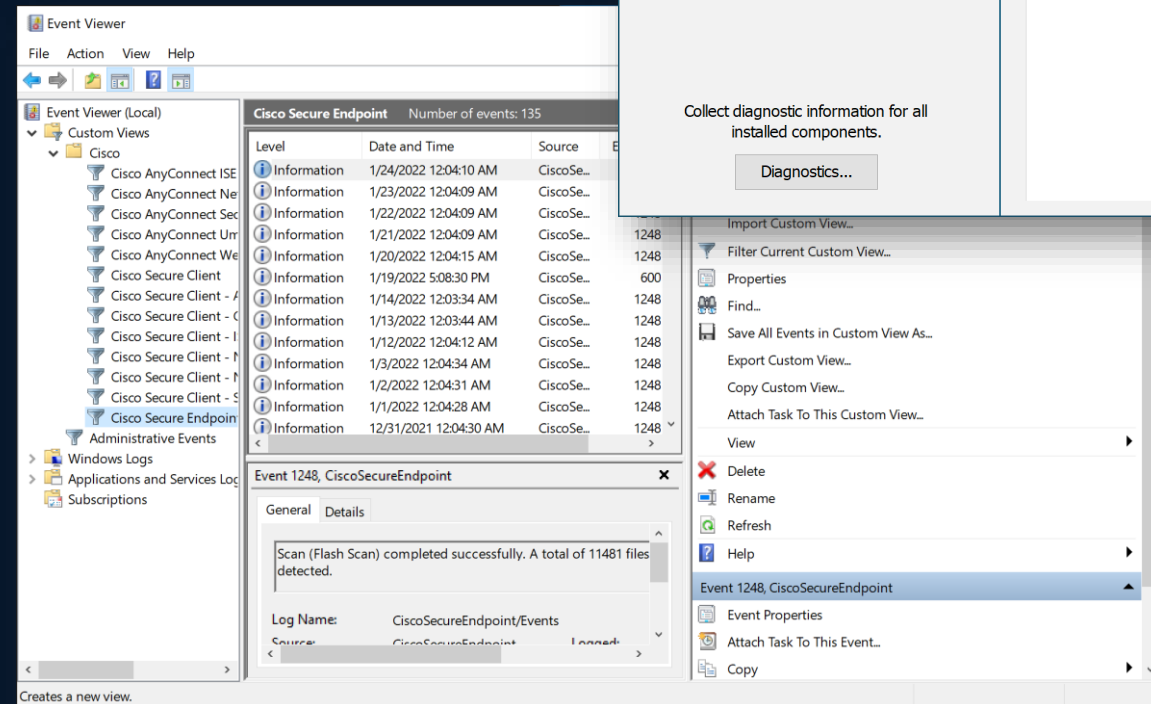
25 / page 1 of 1

Export to CSV

Cisco Secure Client does not support remote uninstall.

Secure Endpoint Advanced

- Scan History moved to Advanced Tab



Helpful Links

- 2025 Cisco Live Webex Space: <https://ciscolive.ciscoevents.com/ciscolivebot/#BRKSEC-2834>
- Endpoint Bar Webex Space (Secure Client/AnyConnect): <https://eurl.io/#TmrReXaEj>
- AnyConnect EOL: <https://www.cisco.com/c/en/us/products/collateral/security/anyconnect-secure-mobility-client/anyconnect-secure-mobility-client-v4x-eol.html>
- On-Demand Library: <https://www.ciscolive.com/on-demand/on-demand-library.html?zid=pp#/>
- Secure Client v5.x Release notes: https://www.cisco.com/c/en/us/td/docs/security/vpn_client/anyconnect/Cisco-Secure-Client-5/release/notes/release-notes-cisco-secure-client-5-1.html
- Latest Secure Client Downloads :
<https://software.cisco.com/download/home/286330811/type/282364313/release/5.1.9.113>
- Secure Client Order Guide: <https://www.cisco.com/c/en/us/products/collateral/security/anyconnect-secure-mobility-client/secure-client-og.html>
- DART Details: <https://www.cisco.com/c/en/us/support/docs/security/secure-client/221919-collect-dart-bundle-for-secure-client.html>
- Request Secure Client Cloud Management Tenant:
<https://www.cisco.com/c/dam/en/us/products/collateral/security/anyconnect-secure-mobility-client/request-scm-tenant.pdf>

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Contact me at: byazji@cisco.com on in the Endpoint Bar

Thank you

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