

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.

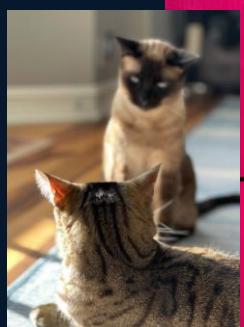
In this session, we will dive into the technology behind the Secure Client, how things really work and how they do not. We will cover deployments models from the cloud and using your own software deployment mechanisms. We will learn all about the seamless upgrade flows from existing AnyConnect and Secure 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”



Cisco Webex App

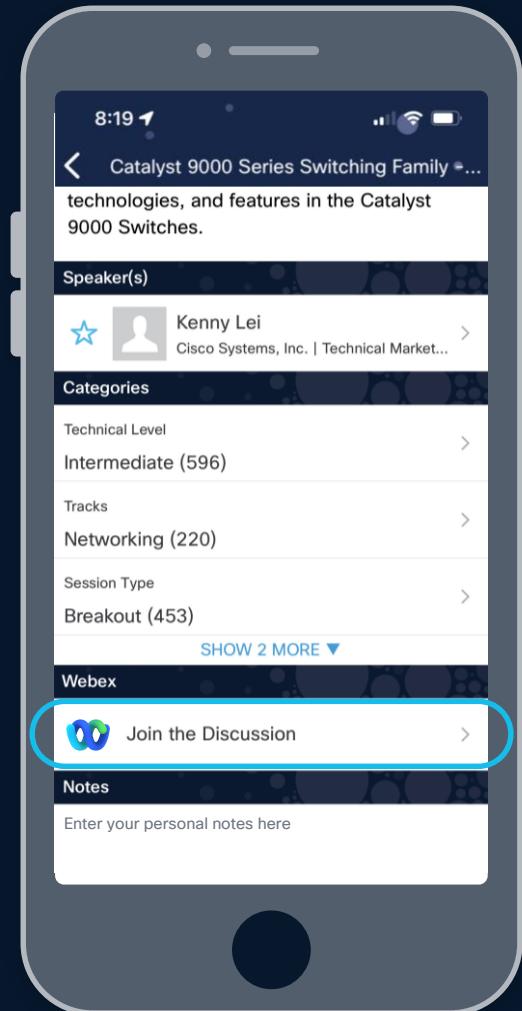
Questions?

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”**

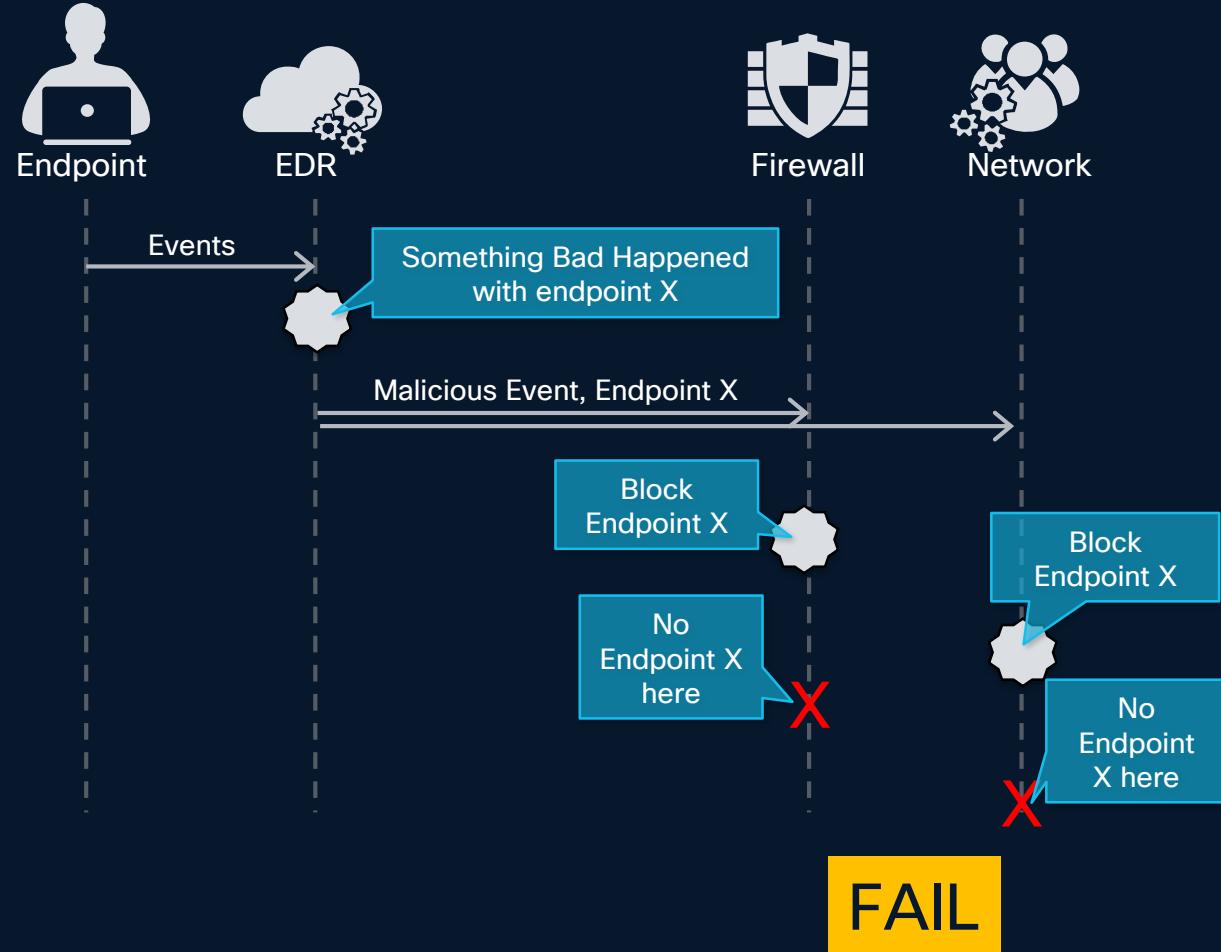
- No one, ever...

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

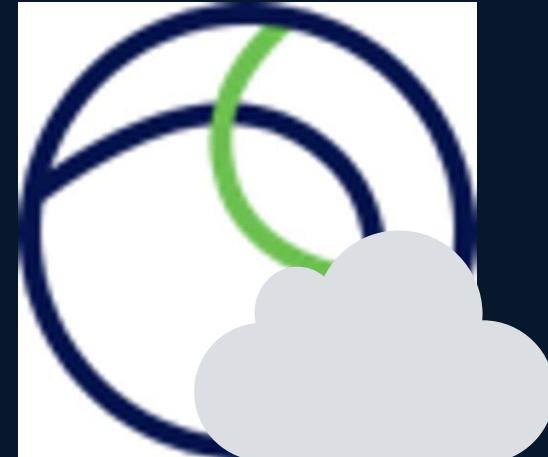
1. Cisco Secure Client

- 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

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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
VPN



The Reality...



Secure Client

is
wayyyyyy
more
than



VPN

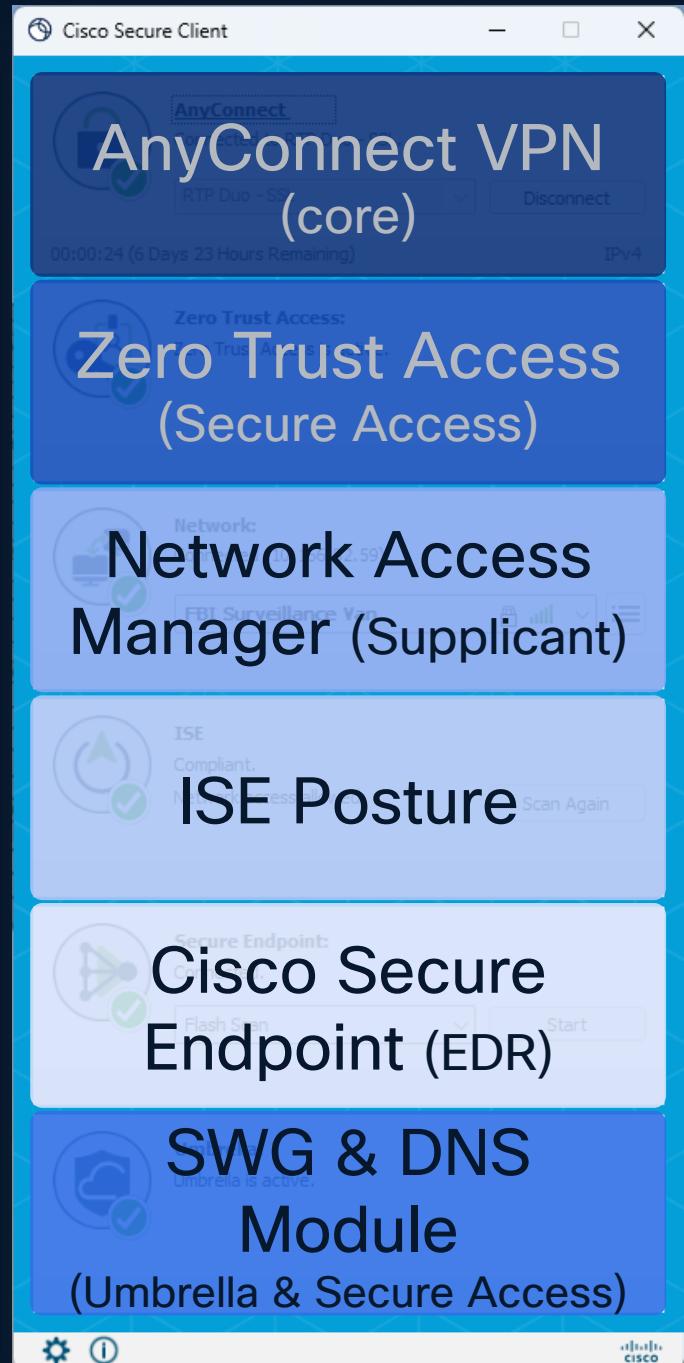
One client, multiple functions



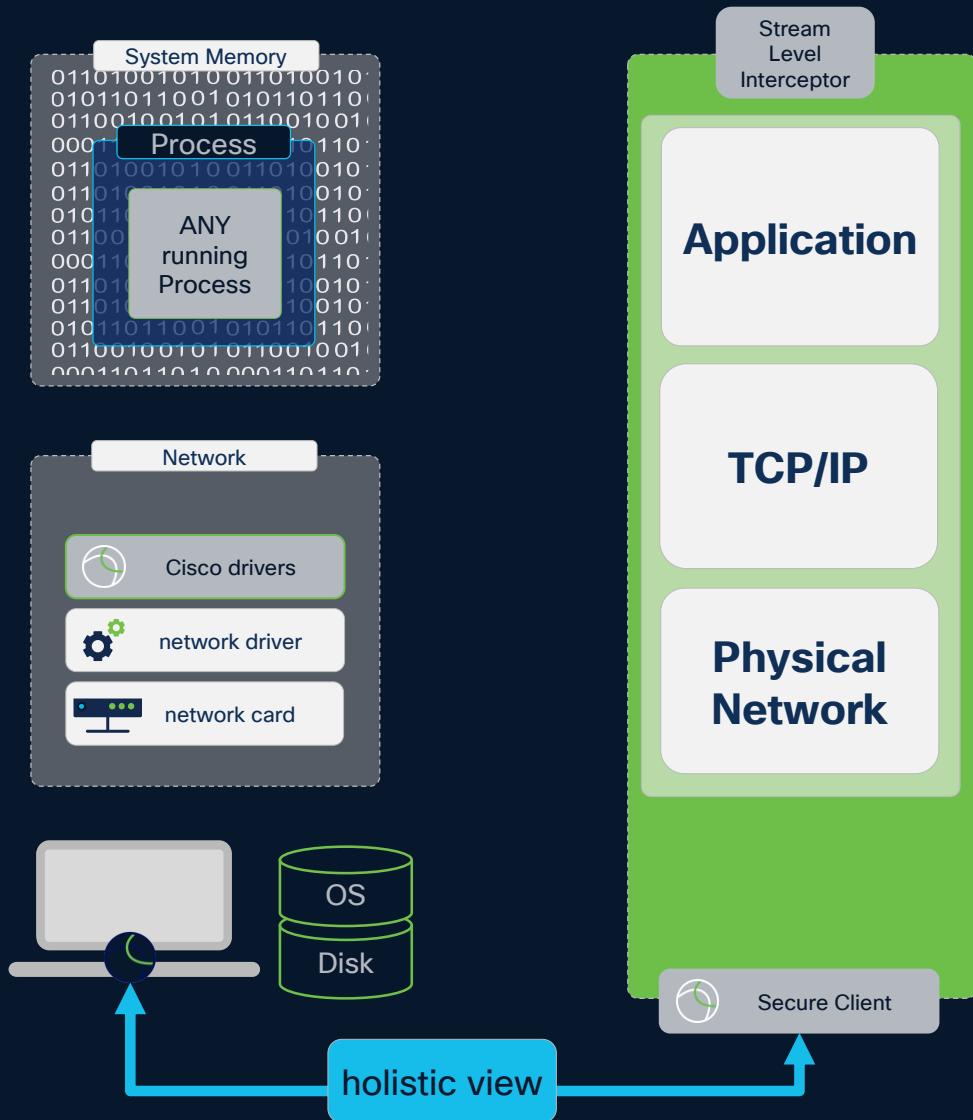
Cisco Secure Client

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

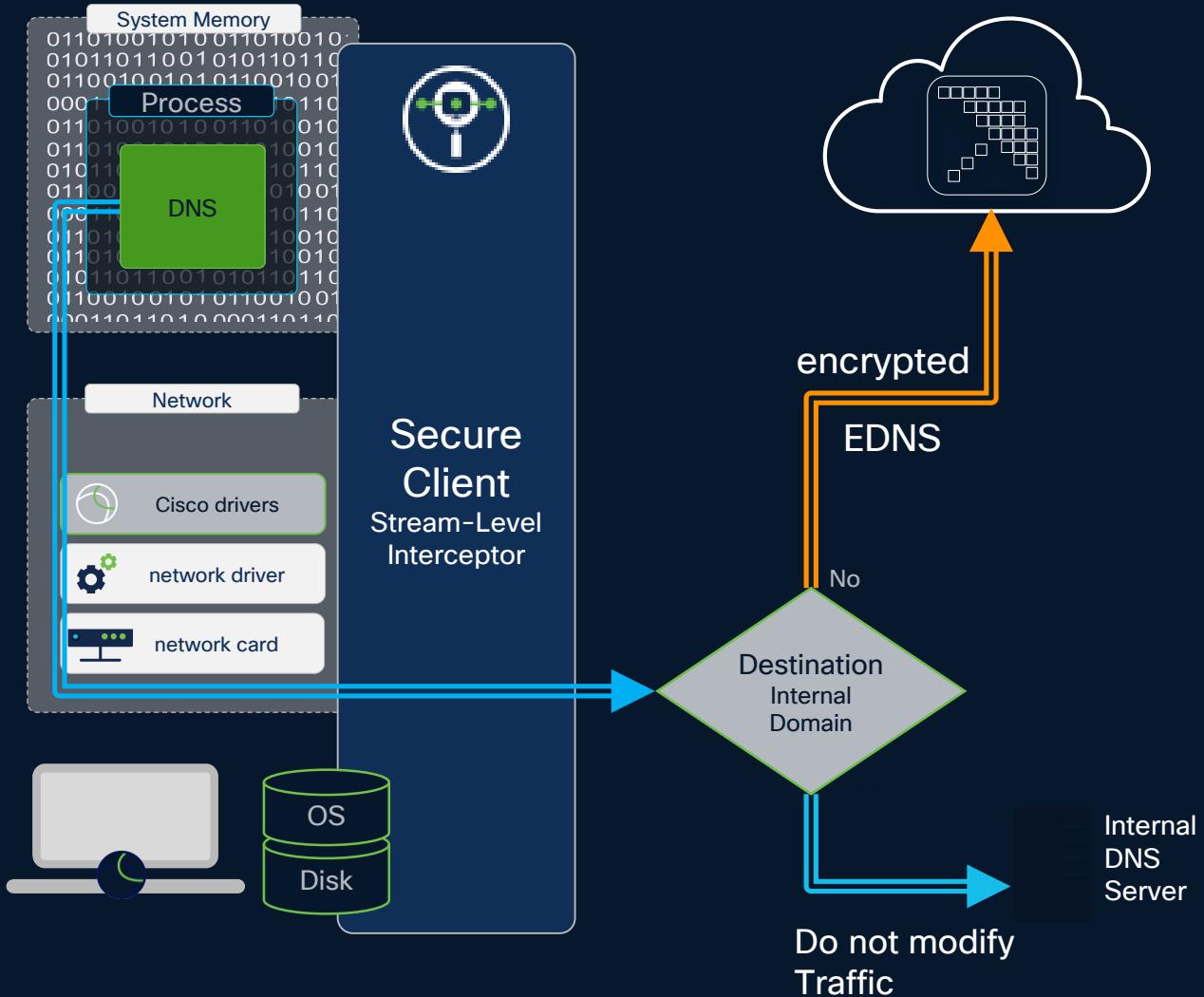


Stream Level Interceptor



- ▶ 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



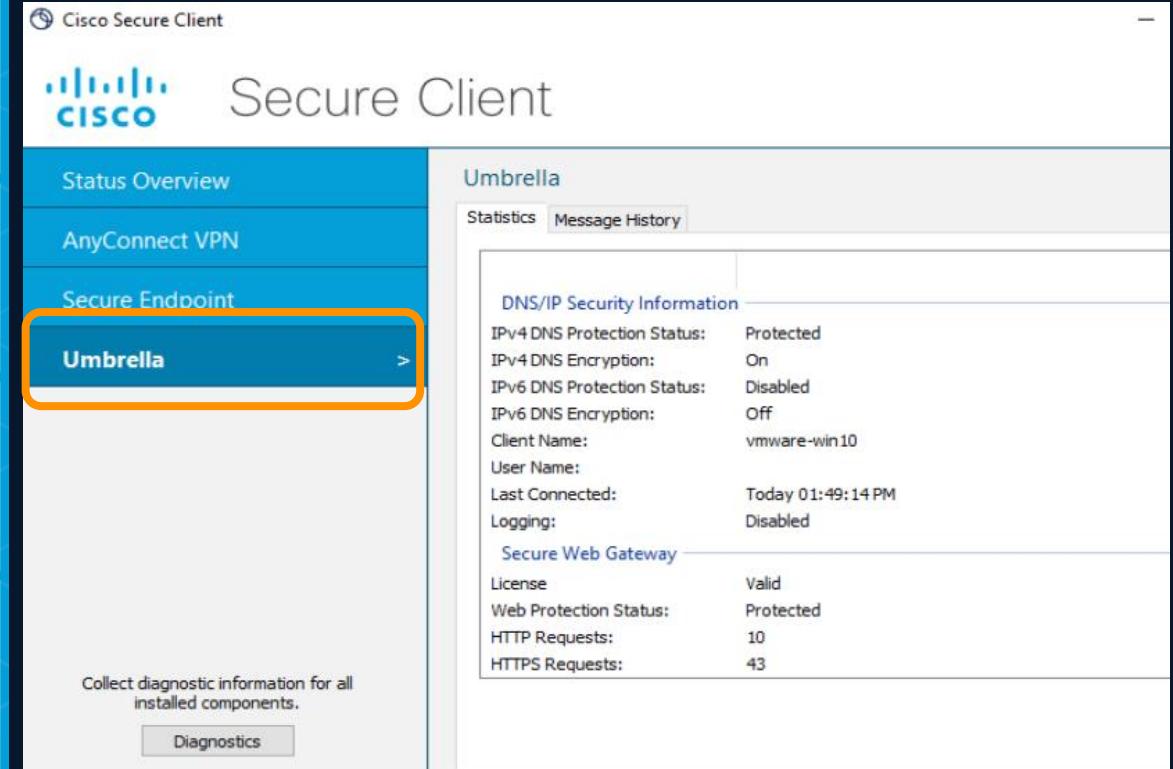
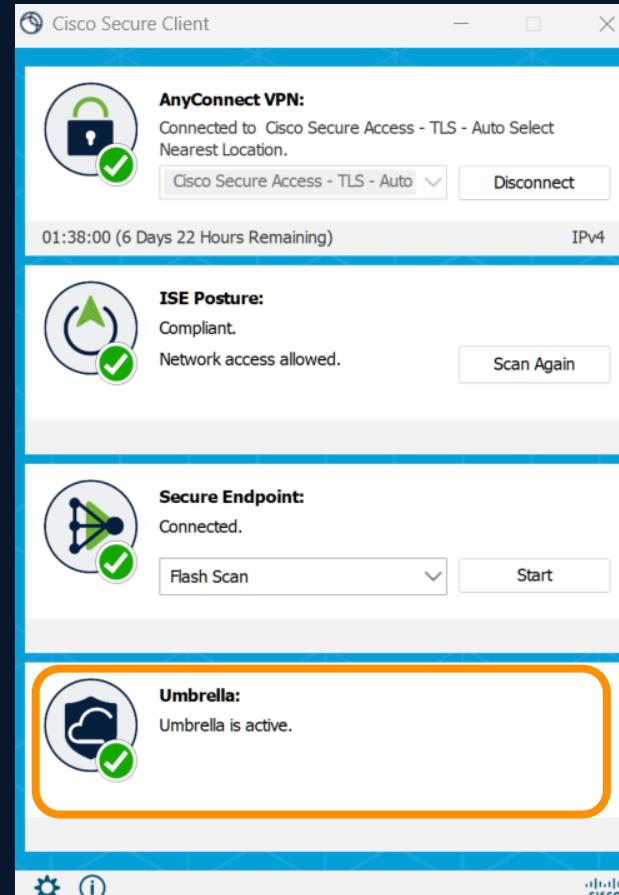
- **Umbrella (DNS) Example:**

- 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:

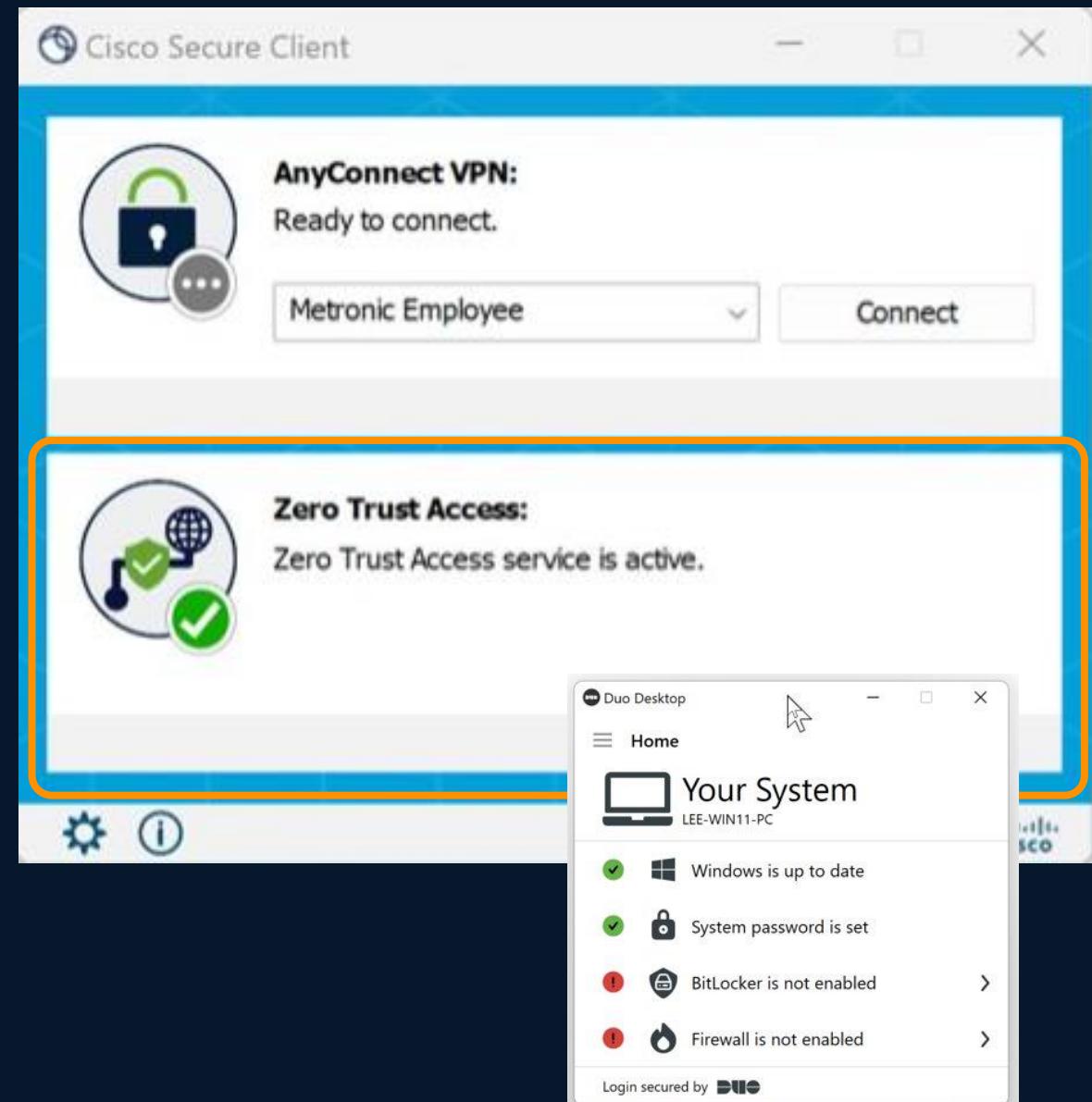
- Umbrella DNS
- Umbrella Secure Web Gateway
- Secure Access



ZTA Module

Dedicated module for **Secure Access**

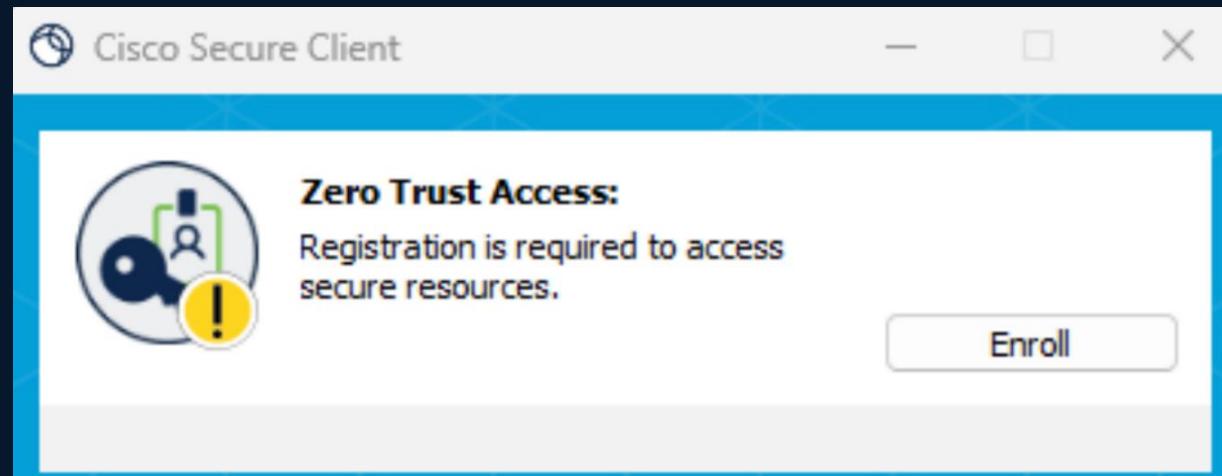
- Side-loads the Duo Desktop
 - (formerly Duo Health Agent)
- Zero Trust has ability to use **MASQUE** + **QUIC** for seamless transport



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



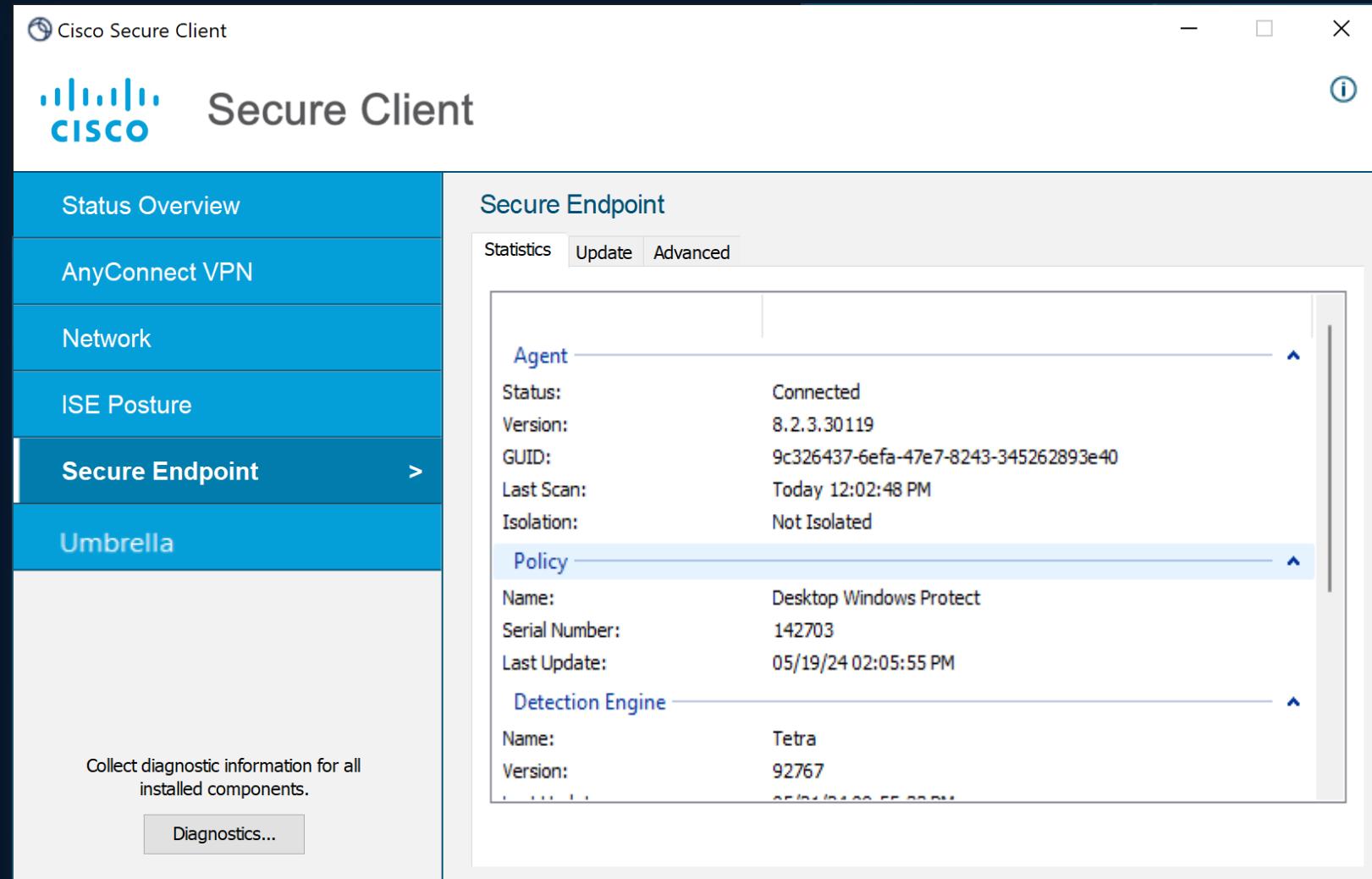
Jonny Noble
Technical Marketing

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



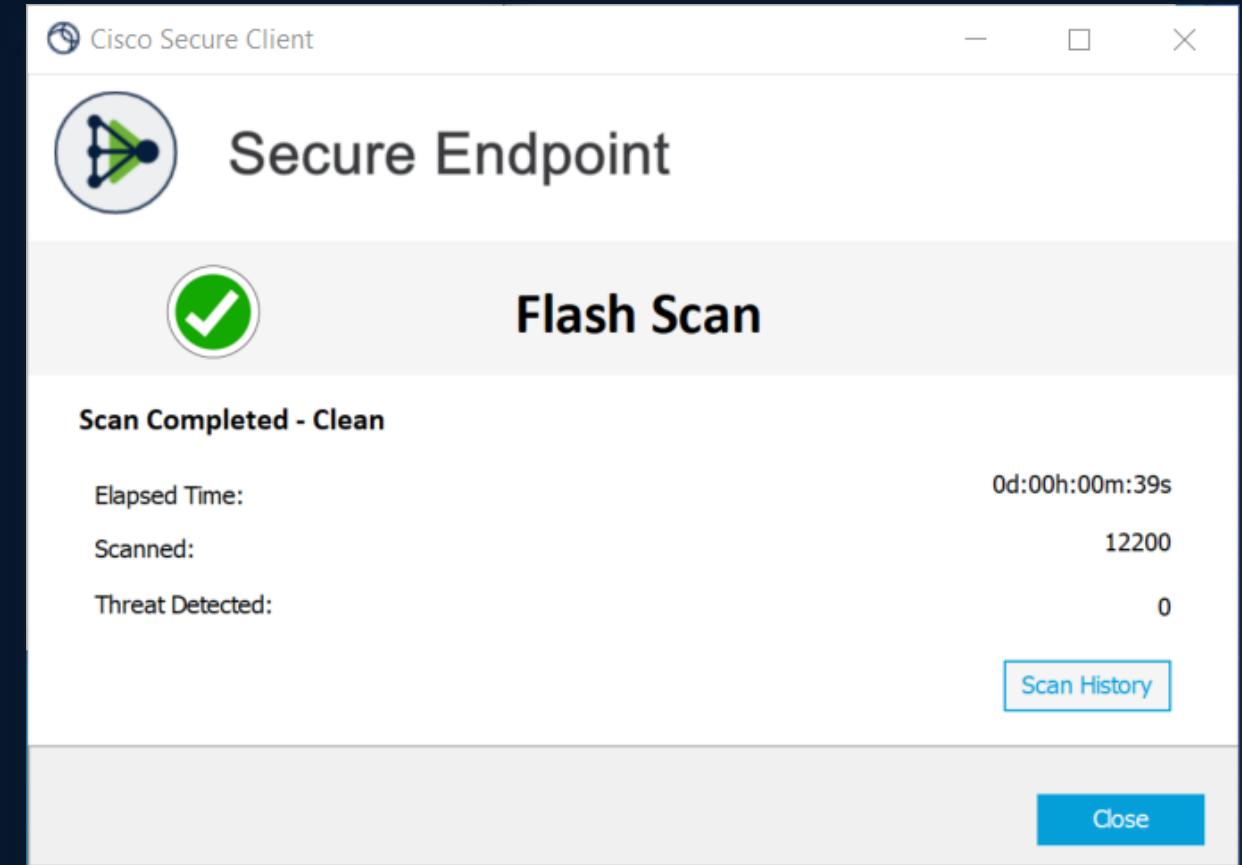
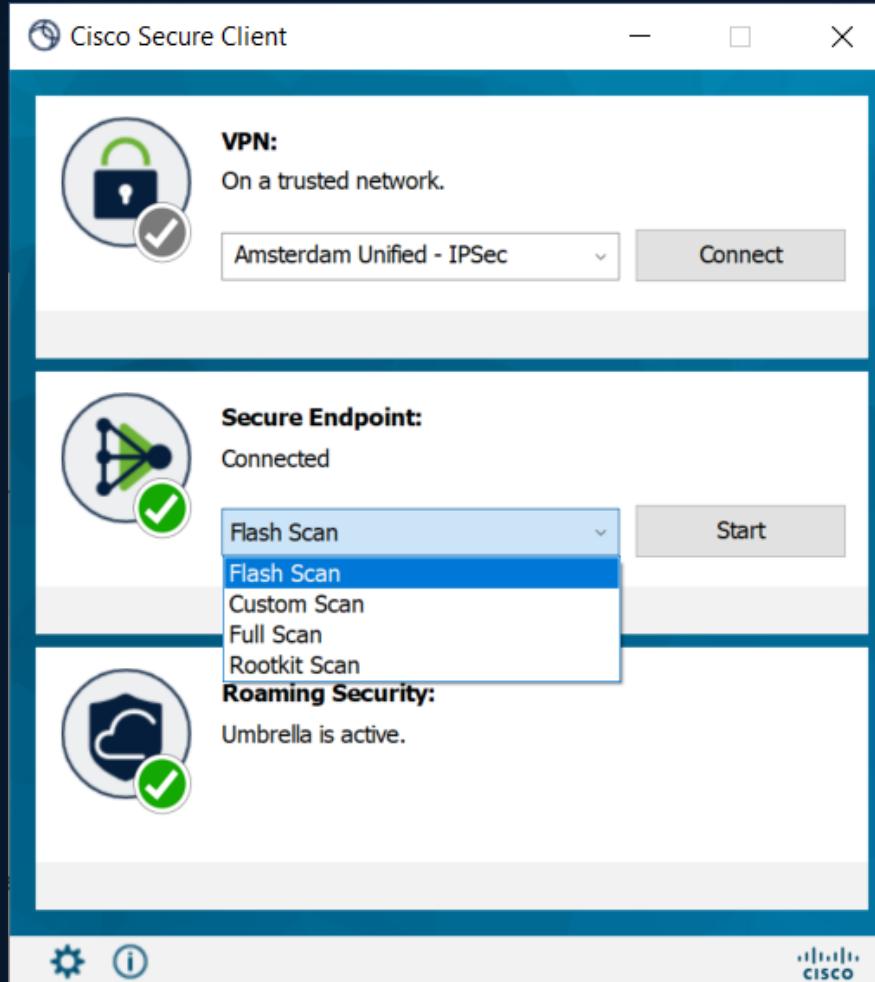
The screenshot shows the Cisco Secure Client interface with the title 'Cisco Secure Client' and the Cisco logo. The main menu on the left includes 'Status Overview', 'AnyConnect VPN', 'Network', 'ISE Posture', 'Secure Endpoint >', and 'Umbrella'. The 'Secure Endpoint' option is selected and highlighted in blue. The right panel is titled 'Secure Endpoint' and contains three tabs: 'Statistics' (selected), 'Update', and 'Advanced'. The 'Statistics' tab displays detailed information under three sections: 'Agent', 'Policy', and 'Detection Engine'. The 'Agent' section shows the status as 'Connected', version '8.2.3.30119', GUID '9c326437-6efa-47e7-8243-345262893e40', Last Scan 'Today 12:02:48 PM', and Isolation 'Not Isolated'. The 'Policy' section shows the name 'Desktop Windows Protect', Serial Number '142703', and Last Update '05/19/24 02:05:55 PM'. The 'Detection Engine' section shows the name 'Tetra' and Version '92767'. At the bottom of the right panel, there is a note: 'Collect diagnostic information for all installed components.' followed by a 'Diagnostics...' button.

Agent	
Status:	Connected
Version:	8.2.3.30119
GUID:	9c326437-6efa-47e7-8243-345262893e40
Last Scan:	Today 12:02:48 PM
Isolation:	Not Isolated

Policy	
Name:	Desktop Windows Protect
Serial Number:	142703
Last Update:	05/19/24 02:05:55 PM

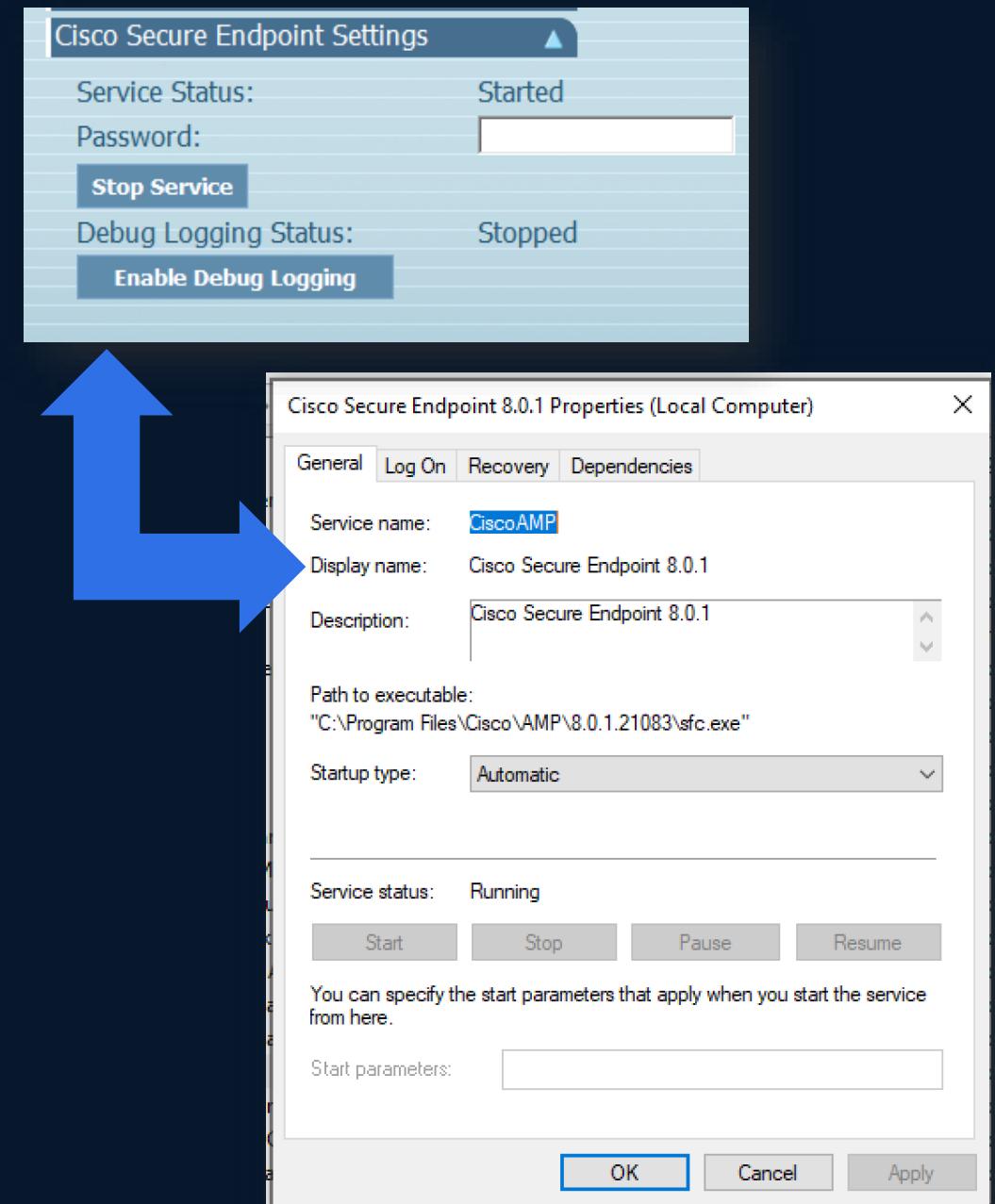
Detection Engine	
Name:	Tetra
Version:	92767

More Secure Endpoint UI



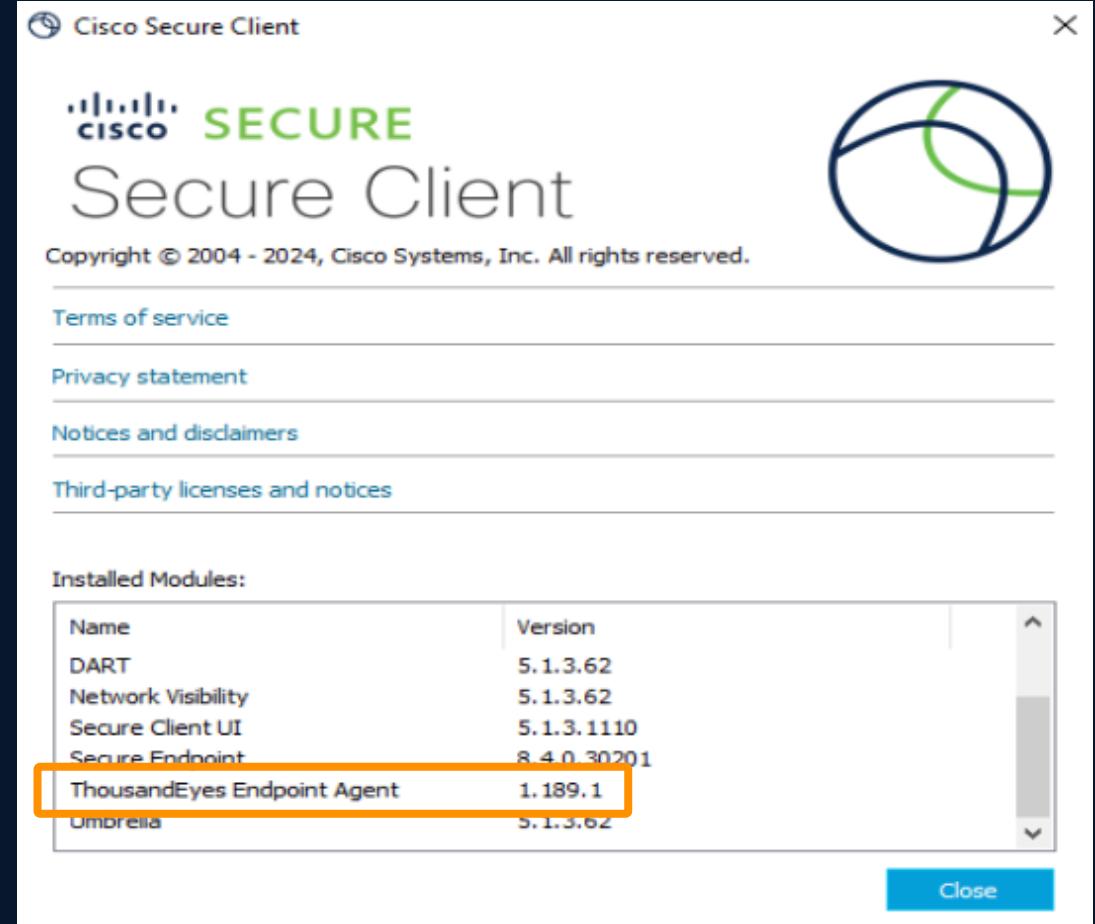
More Secure Endpoint UI

- 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



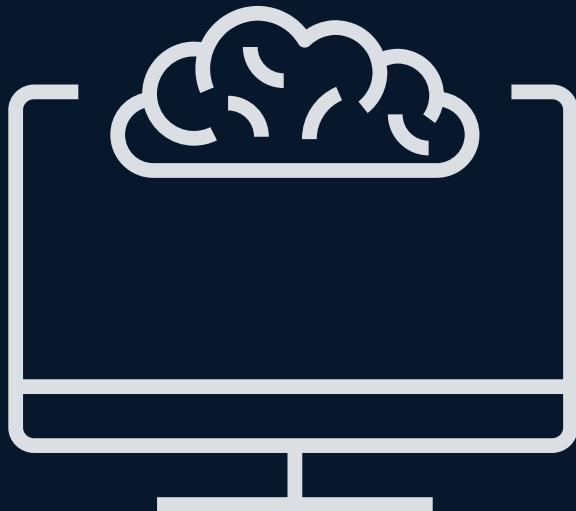
Fay-Ann Lee
Technical Marketing

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

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

CSC Architecture

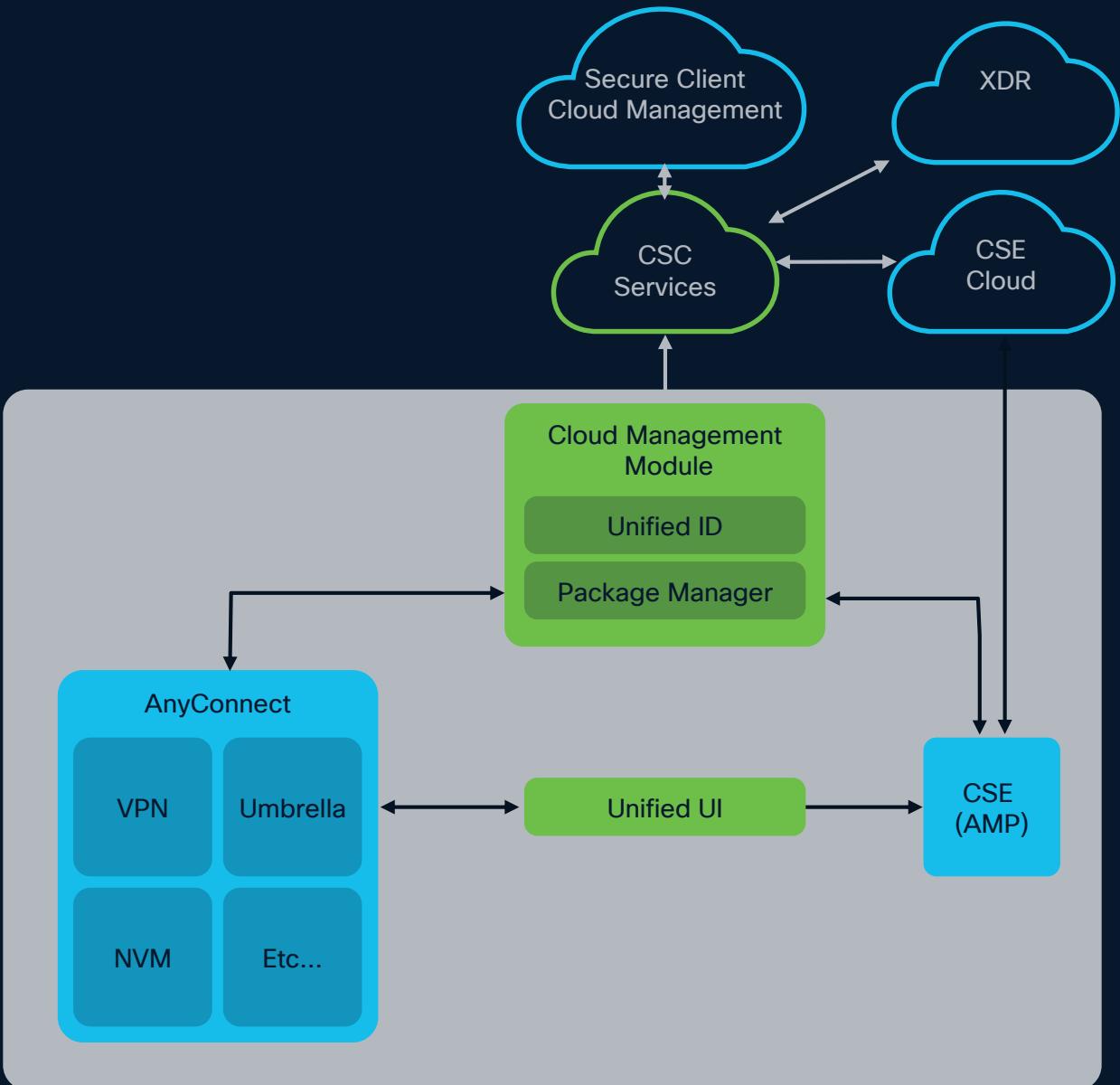
Cisco Secure Client

Architectural Overview

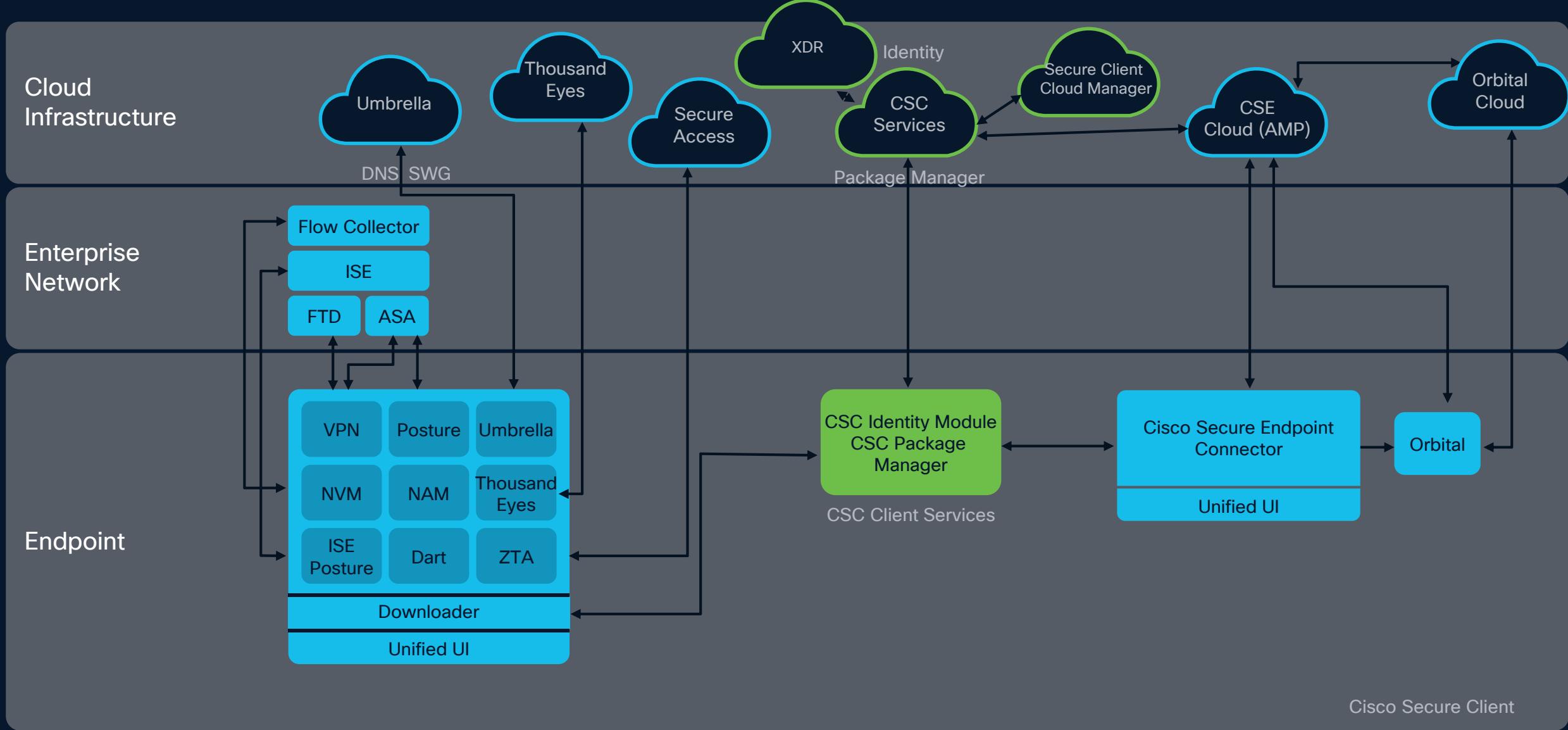
- ▶ Existing components that did not fundamentally change from AC

- ▶ 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

Cisco Secure Client

Identification madness

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The screenshot displays the Cisco Secure Client interface. On the left, a sidebar menu includes 'Investigate', 'Intelligence', 'Automate', 'Assets' (which is selected and highlighted in blue), 'Client Management', and 'Administration'. The main content area shows a table for a device with the following details:

Unified ID	Windows 11, SP 0.0 (Build 22631.3296)	Location
Managed	No	Associated Users
Last Active	May 28, 2024 @ 9:43 PM CDT	Model
Local IPs	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:a72:8930, 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, fda1:61b2:1924:9a49:981:b80b:3fdc:91ec, fda1:61b2:1924:9a49:7cbb:55a8:e3be:dd5f, fda1:61b2:1924:9a49:1969:86f0:30db: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:a7d: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:dd0:c47b, fda1:61b2:1924:9a49:dfb:39b4:7bfd:40bc	Hardware Id
Public IPs	184.55.67.86	Serial Number

At the top, a 'Macs' section lists several MAC addresses with dropdown arrows. A 'From Orbital Live Query' button is located in the top right corner. The bottom right corner features the Cisco logo.

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 image shows the Cisco Secure Client interface for a device named "Secure Endpoint - Cisco - byazji". The main panel displays the following details:

Macs	2c:07:13 (13) [dropdown] 8c:a1:1c (1c) [dropdown] 2c:1f:14 (14) [dropdown]
Secure Endpoint UID	092ff4 [dropdown]
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
Public IPs	184.55.67.86 [dropdown]

The sidebar menu on the left includes the following items:

- Incidents
- Investigate
- Intelligence
- Automate
- Assets** (selected)
- Client Management
- Administration

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 shows the Cisco Secure Client interface with a dark theme. At the top, there is a navigation bar with 'Macs' and a list of three MAC addresses: 2c: [REDACTED] d:13, 8c: [REDACTED] a:1c, and 2c: [REDACTED] d:14. Below this is a section titled 'Secure Endpoint - Cisco - byazji' with a network icon. To the right is a 'Secure Endpoint UID' field containing '092f [REDACTED] 40f4'. A timestamp '2024 @ 9:43 PM CDT' is shown next to it. Below the endpoint ID, there is a 'me' section and a 'Group' section with a timestamp '2021 @ 5:55 PM CDT'. The main content area is titled 'Orbital' and contains the following data:

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

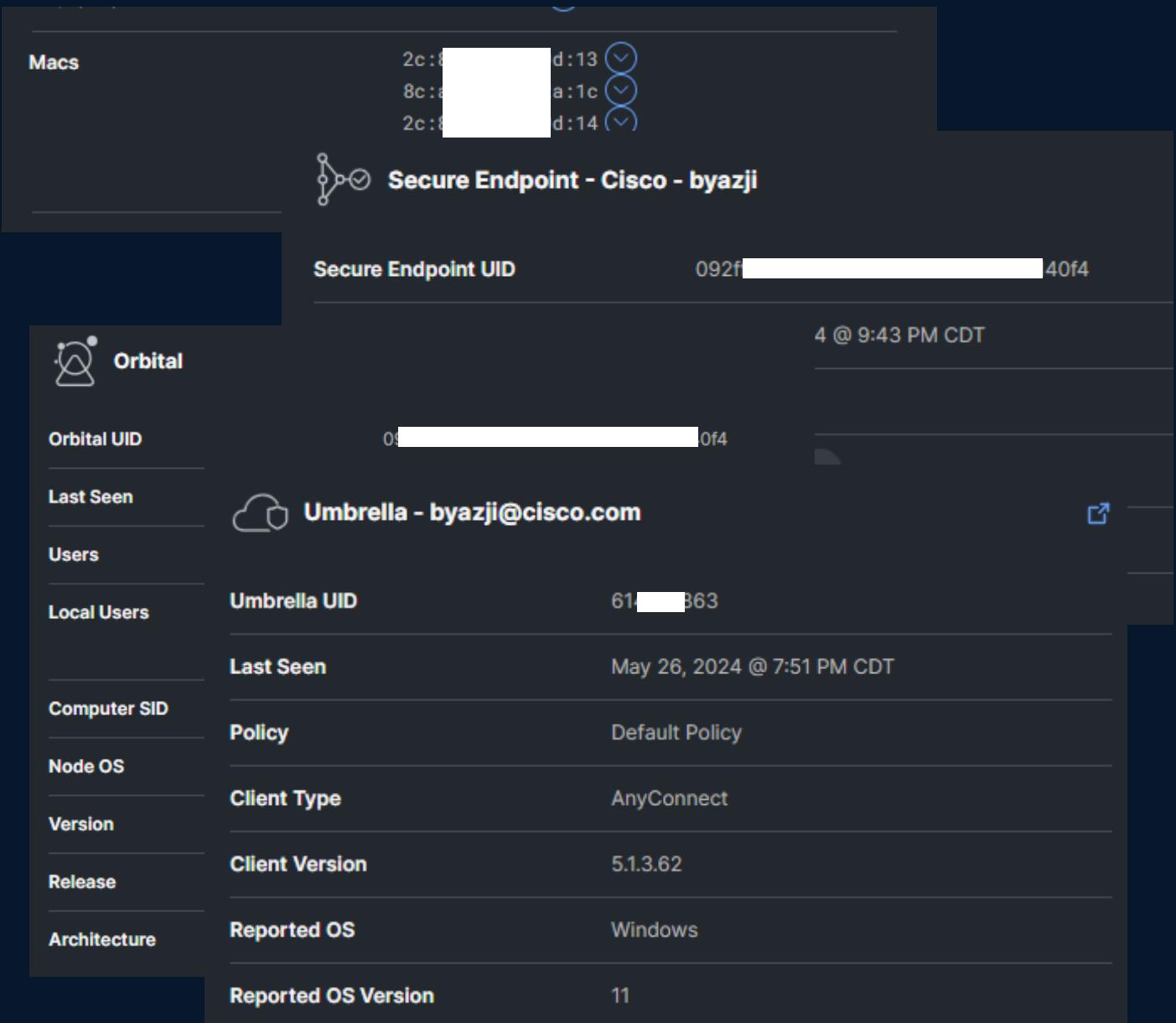
On the right side of the interface, there is a vertical list of MAC addresses starting with 'i201' and ending with 'b:39b4:7bfd:40bc'. The Cisco logo is in the bottom right corner.

Cisco Secure Client

Identification madness

Unified ID – Device Insights

- AnyConnect Identifier (ACID)
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- Hardware & Software Attributes
- Globally Unique Cloud Identifier
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The image shows a screenshot of the Cisco Secure Client Device Insights interface. The top section displays 'Macs' with three entries: 2c:8[REDACTED]d:13, 8c:a[REDACTED]a:1c, and 2c:8[REDACTED]d:14, each with a dropdown arrow. Below this is a 'Secure Endpoint' section with a network icon, showing 'Secure Endpoint - Cisco - byazji'. The 'Secure Endpoint UID' is listed as 092f[REDACTED]40f4, with a timestamp of '4 @ 9:43 PM CDT'. The main content area is titled 'Orbital' and lists various device attributes:

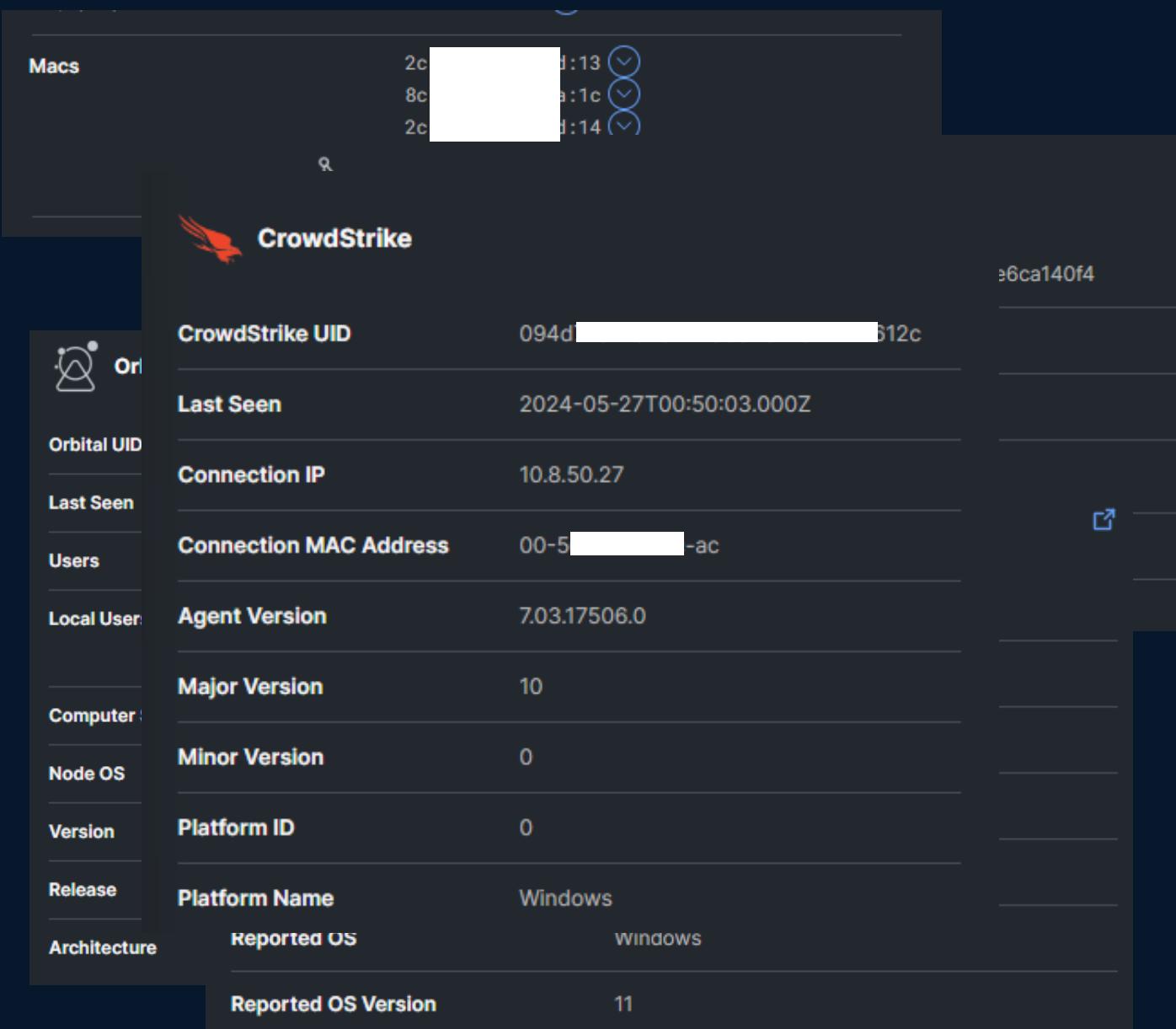
Orbital UID	092f[REDACTED]40f4
Last Seen	Umbrella - byazji@cisco.com
Users	
Local Users	Umbrella UID
	61[REDACTED]363
Computer SID	Last Seen
	May 26, 2024 @ 7:51 PM CDT
Node OS	Policy
	Default Policy
Version	Client Type
	AnyConnect
Release	Client Version
	5.1.3.62
Architecture	Reported OS
	Windows
	Reported OS Version
	11

Cisco Secure Client

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The screenshot shows a device insights interface for a Cisco Secure Client. At the top, there's a list of MAC addresses: 2c: [REDACTED]:13 (down arrow), 8c: [REDACTED]:1c (down arrow), and 2c: [REDACTED]:14 (down arrow). Below this is a search bar with a magnifying glass icon. The main content area is titled "CrowdStrike" with a falcon logo. It displays the following device details:

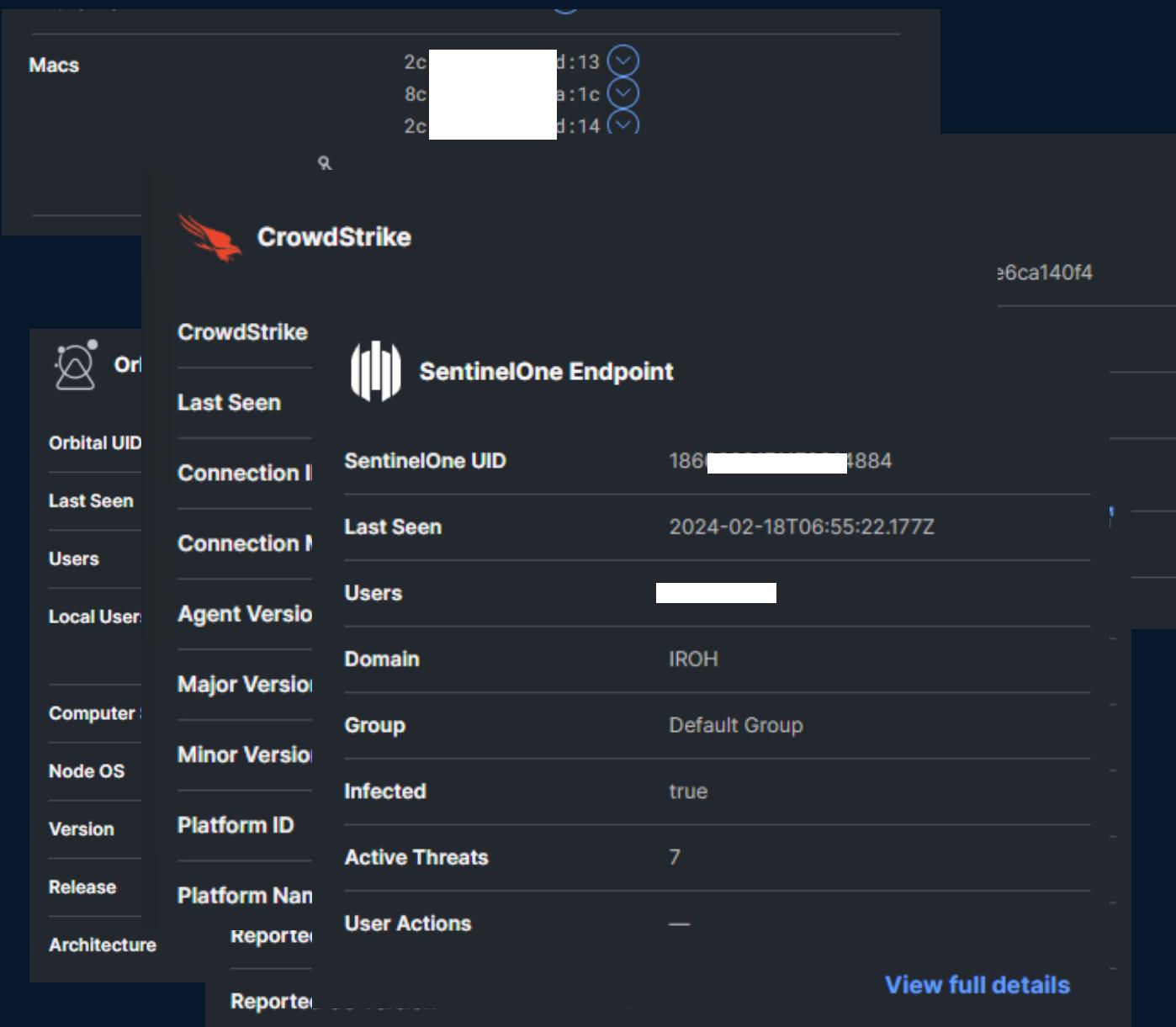
Category	Value
CrowdStrike UID	094d [REDACTED] 512c
Last Seen	2024-05-27T00:50:03.000Z
Orbital UID	[REDACTED]
Connection IP	10.8.50.27
Last Seen	[REDACTED]
Users	Connection MAC Address 00-5 [REDACTED] -ac
Local User	Agent Version 7.03.17506.0
Computer	Major Version 10
Node OS	Minor Version 0
Version	Platform ID 0
Release	Platform Name Windows
Architecture	Reported OS Windows
	Reported OS Version 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 shows a device insights interface with the following details:

Source	Identifier	Value
CrowdStrike	Orbital UID	186e6ca140f4
CrowdStrike	Last Seen	2024-02-18T06:55:22.177Z
CrowdStrike	Connection ID	SentinelOne UID
CrowdStrike	Connection ID	186e6ca140f4884
SentinelOne Endpoint	Last Seen	2024-02-18T06:55:22.177Z
SentinelOne Endpoint	Users	[REDACTED]
SentinelOne Endpoint	Agent Version	IROH
SentinelOne Endpoint	Major Version	Default Group
SentinelOne Endpoint	Minor Version	Infected
SentinelOne Endpoint	Platform ID	true
SentinelOne Endpoint	Active Threats	7
SentinelOne Endpoint	Platform Name	User Actions
SentinelOne Endpoint	Reported	—

[View full details](#)

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

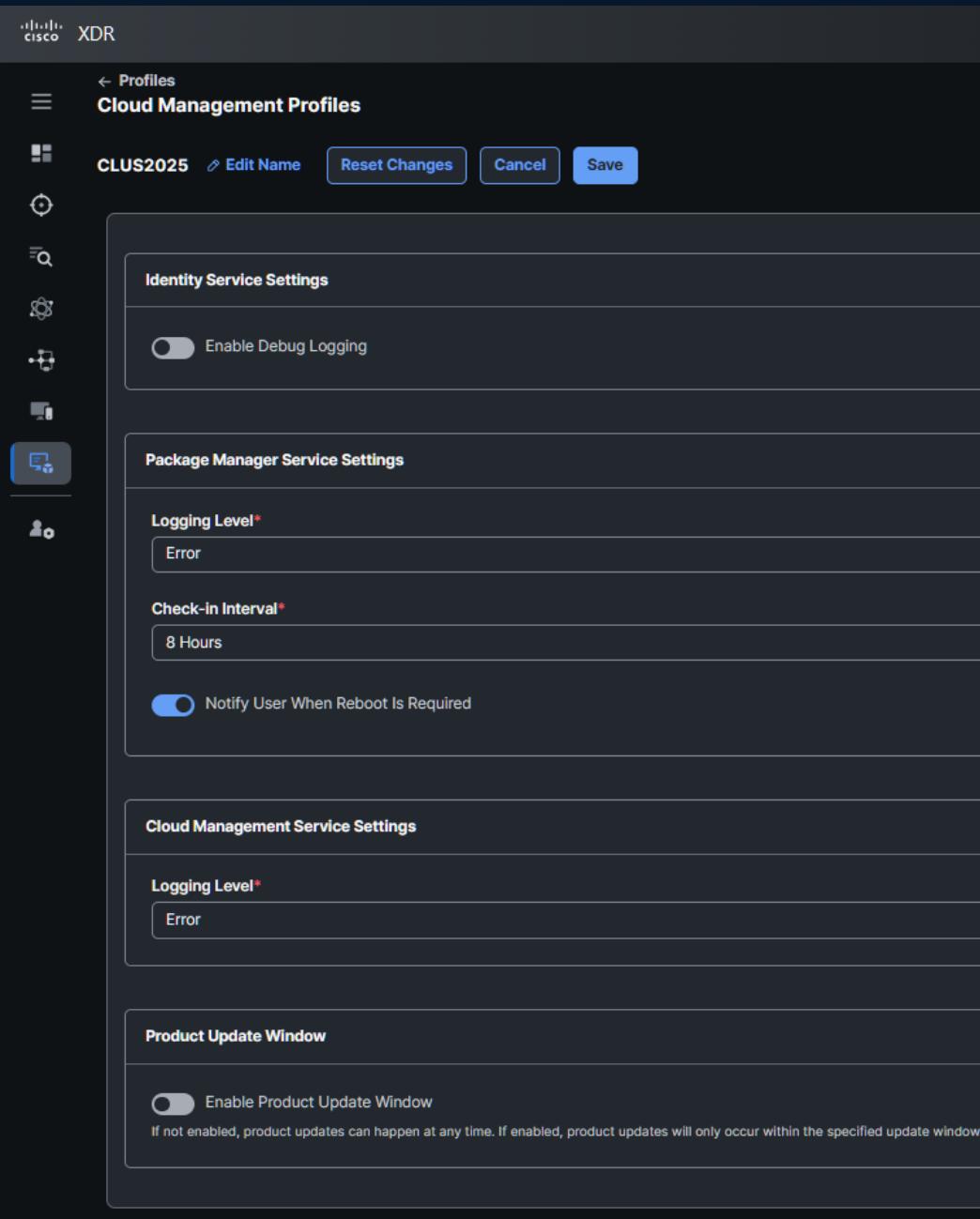
Secure Client		Device Events
Secure Client UID	5ca72 [REDACTED] 606338	
Last Seen	May 26, 2024 @ 4:56 PM CDT	
Deployment	Yazji_Home	
CSC Version	5.1.2.42	
Secure Endpoint Version	8.4.0.30201	
Cloud Management Version	1.0.1.400	
Modules	Cloud Management v.1.0.1.400 AnyConnect VPN v.5.1.2.42 Umbrella v.5.1.2.42 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	f78fd [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



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 shows the Cisco XDR Cloud Management Profiles interface. The main title is "Cloud Management Profiles" with a sub-section "CLUS2025". The interface includes a toolbar with icons for Home, Profiles, Devices, and Scripts, and buttons for "Edit Name", "Reset Changes", "Cancel", and "Save".

The main content area is titled "Identity Service Settings" and contains a "Enable Debug Logging" toggle switch.

Below this is a "Product Update Window" section. It contains a "Enable Product Update Window" toggle switch, a note that it only applies if the "Product Update Window" is enabled, and a "Day" section with a "Mon" button highlighted. It also includes "Start Time*" and "End Time*" fields set to "1:00" with "AM" selected, and a "Select Time Zone" toggle switch.

At the bottom of the main window, there is a summary of the "Product Update Window" settings.

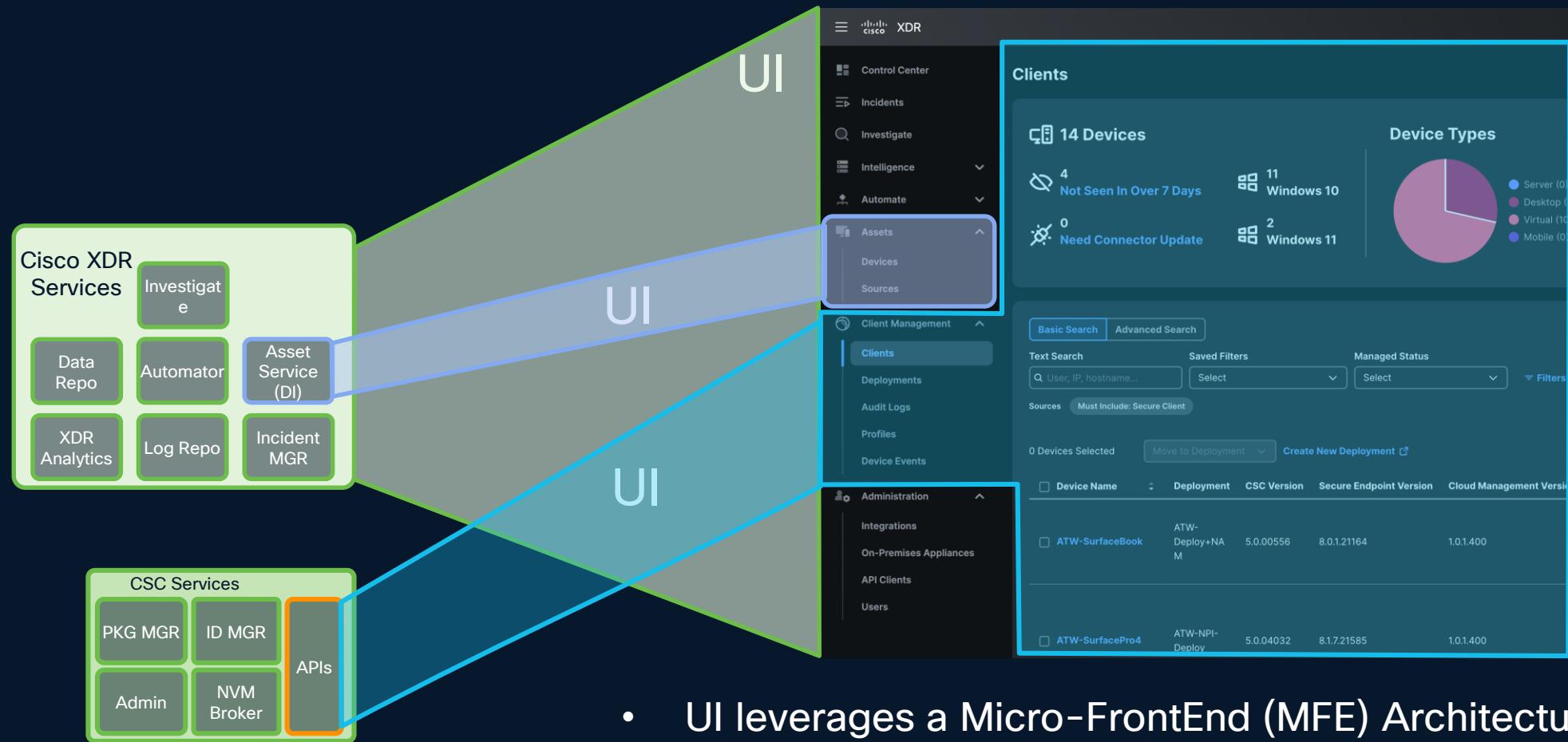
SecureX Who? [EOL 2024, left for posterity]



Screenshot of the Cisco SecureX interface, showing the 'Deployment Management' section. The sidebar on the left is titled 'Deployment Management' and lists several deployment profiles: LP_Chiro (2023-09-29), PetersonHome (2023-11-23), XDR Default Deployment (2023-09-28), Yazji_Gaming (2023-09-29), and Yazji_Home (2023-09-28). The main content area displays deployment details for 'LP_Chiro'. It shows 'Latest (1.0.3.433)' and 'Recommended (8.2.4.30130)' dropdown menus. Below these are 'Cloud Management' and 'Secure Endpoint' sections. A prominent banner at the top states: 'SecureX End-of-Life has been announced' and 'The End-of-Life (EOL) of SecureX is 31st July 2024. Please visit the EOL announcement for more information.' A 'Visit EOL Announcement' button is also present.

- <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>

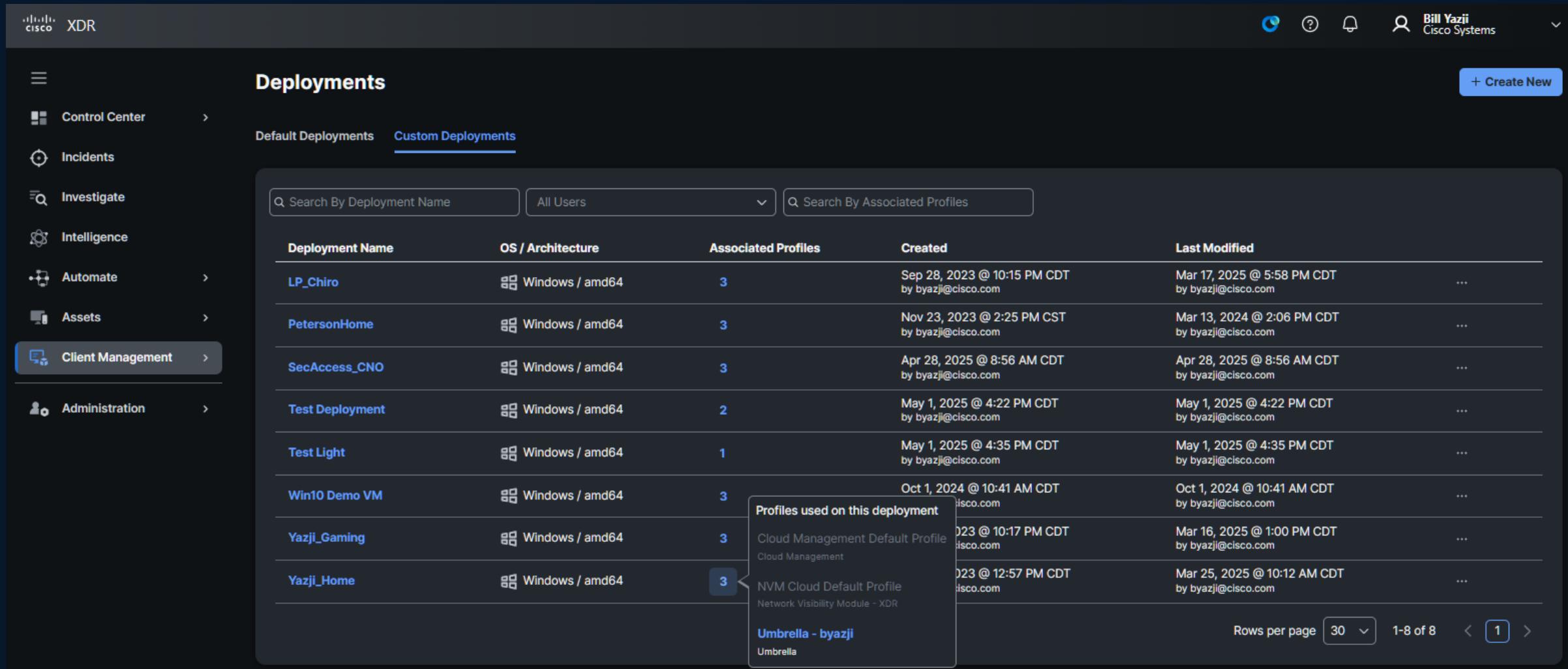
Cloud Management Architecture



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

CSC Cloud Management

Today – In XDR



The screenshot shows the Cisco XDR Control Center interface. The main title is "Deployments". The navigation bar includes "Control Center", "Incidents", "Investigate", "Intelligence", "Automate", "Assets", "Client Management", and "Administration". The "Client Management" tab is selected. The "Custom Deployments" tab is active. The table lists the following deployments:

Deployment Name	OS / Architecture	Associated Profiles	Created	Last Modified
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	Oct 23, 2024 @ 10:17 PM CDT by byazji@cisco.com	Mar 16, 2025 @ 1:00 PM CDT by byazji@cisco.com
Yazji_Home	Windows / amd64	3	Oct 23, 2024 @ 12:57 PM CDT by byazji@cisco.com	Mar 25, 2025 @ 10:12 AM CDT by byazji@cisco.com

A tooltip for the "Yazji_Home" deployment shows its associated profiles:

- Cloud Management Default Profile
- Cloud Management
- NVM Cloud Default Profile
- Network Visibility Module - XDR
- Umbrella - byazji
- Umbrella

CSC Cloud Management

Today – In XDR

The screenshot shows the Cisco XDR Cloud Management Profiles page. The left sidebar includes links for Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (selected), and Administration. The main content area is titled 'Profiles' and shows a table of existing profiles. A modal window titled 'Create New Profile' is open, showing a list of profile types with 'Cloud Management' selected. The table lists profiles such as 'Cloud Management Default Profile', 'NVM Cloud Default Profile', 'OrgInfo.json_SecAccess_CNO', 'Umbrella - byazji', 'VPN test1', and 'VPN test2'. The 'Cloud Management Default Profile' was created on Sep 28, 2023, and last modified on Jun 21, 2024. The 'NVM Cloud Default Profile' was created on Sep 28, 2023, and last modified on Jun 21, 2024. The 'OrgInfo.json_SecAccess_CNO' profile is of type 'Umbrella' and was created on Apr 28, 2025. The 'Umbrella - byazji' profile is of type 'Umbrella' and was created on Sep 28, 2023. The 'VPN test1' and 'VPN test2' profiles are of type 'VPN' and were created on May 1, 2025.

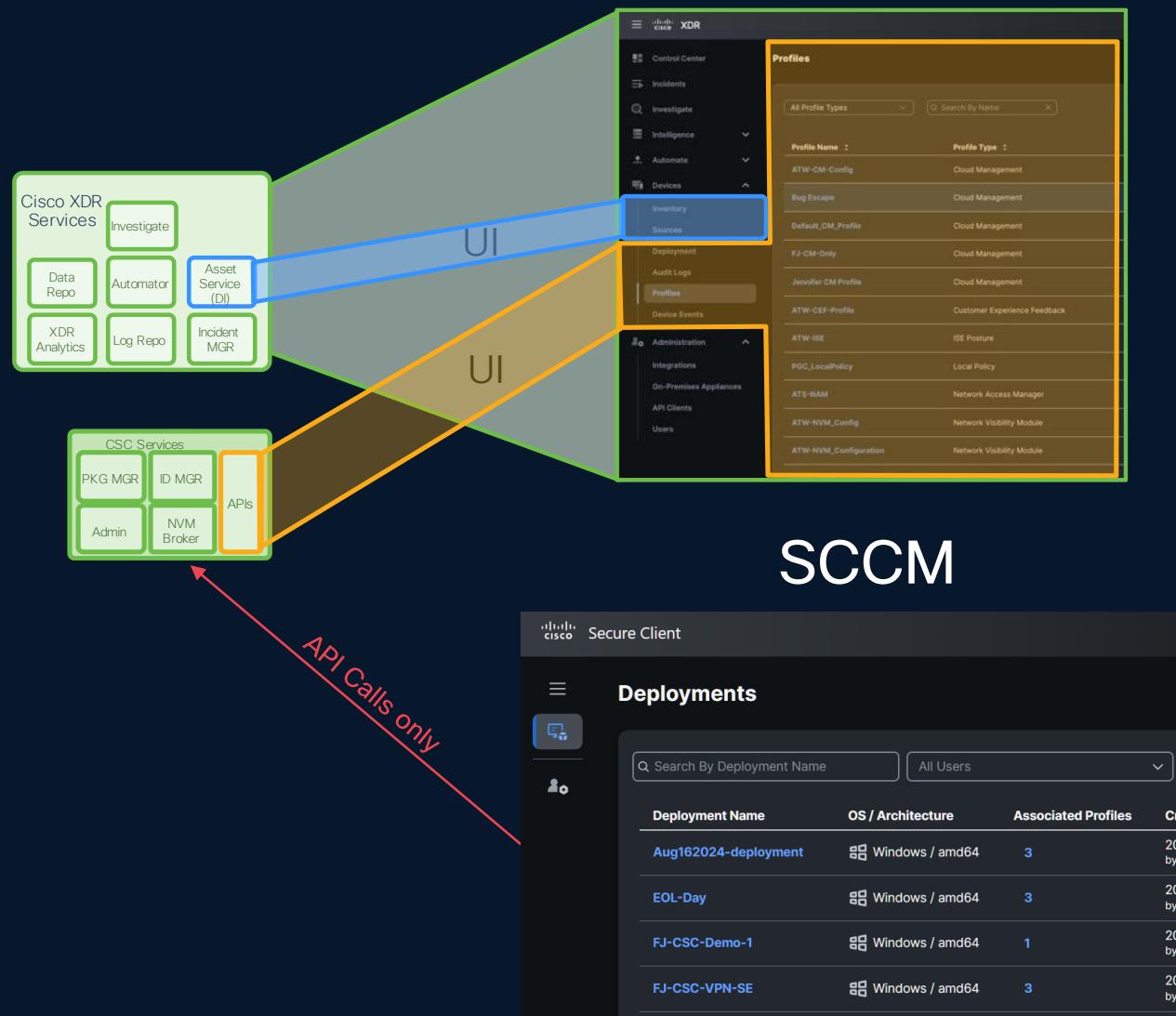
Profile Name	Profile Type	Created	Last Modified
Cloud Management Default Profile	Cloud Management	Sep 28, 2023 @ 12:06 PM CDT by system	Jun 21, 2024 @ 4:58 PM CDT by system
NVM Cloud Default Profile	Network	Sep 28, 2023 @ 12:06 PM CDT by system	Jun 21, 2024 @ 4:58 PM CDT by system
OrgInfo.json_SecAccess_CNO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

CSC Cloud Management

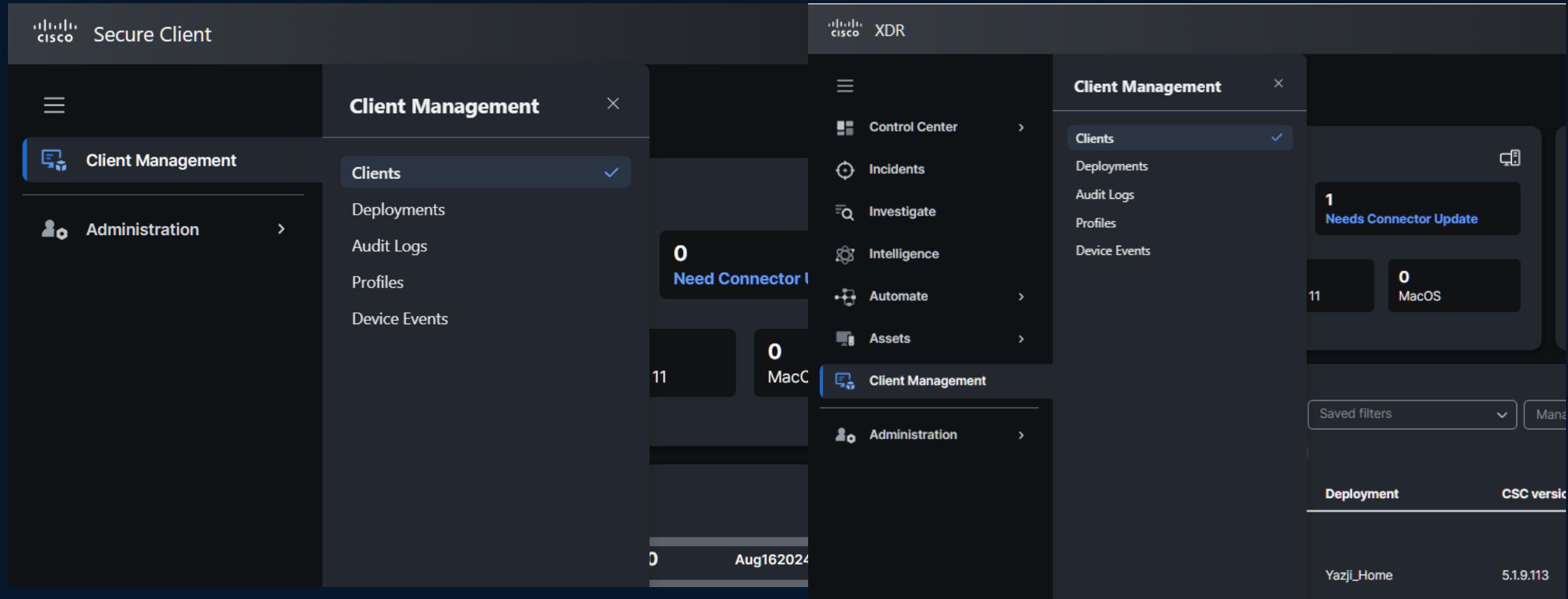
For NON-XDR users

XDR

- 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

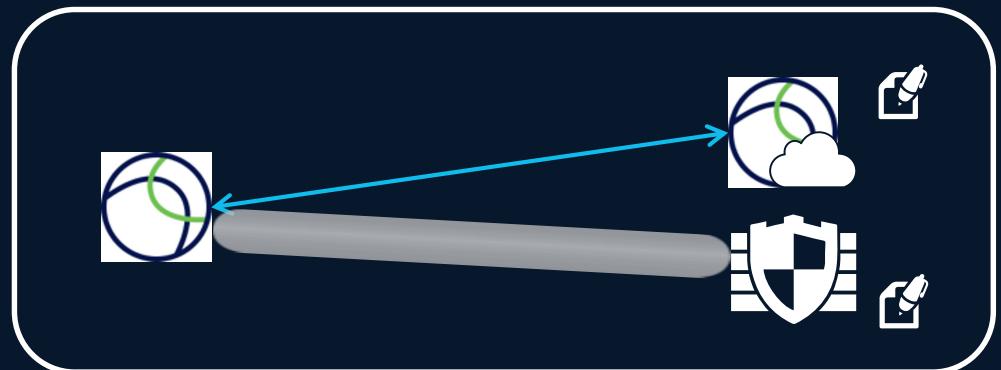
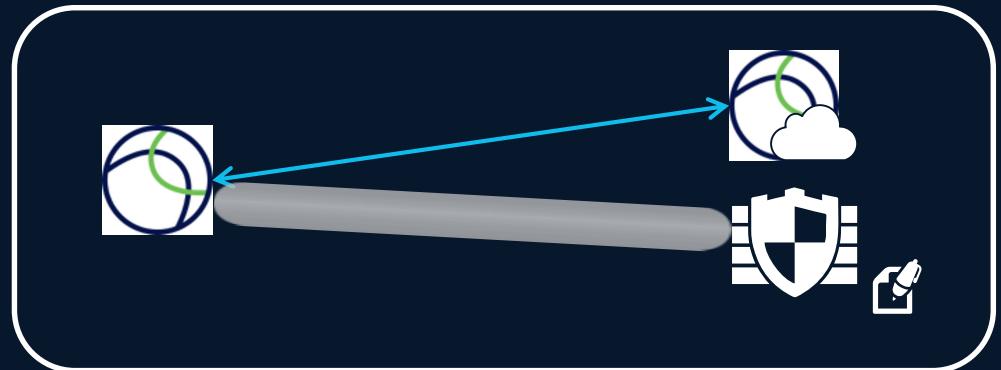
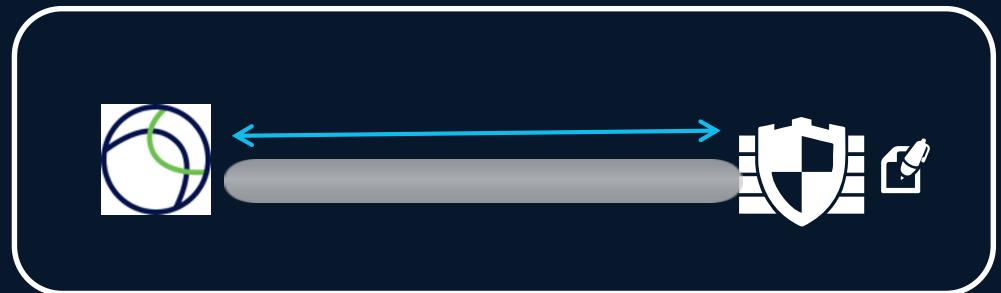
Agenda

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

Deploying / Managing from Cloud

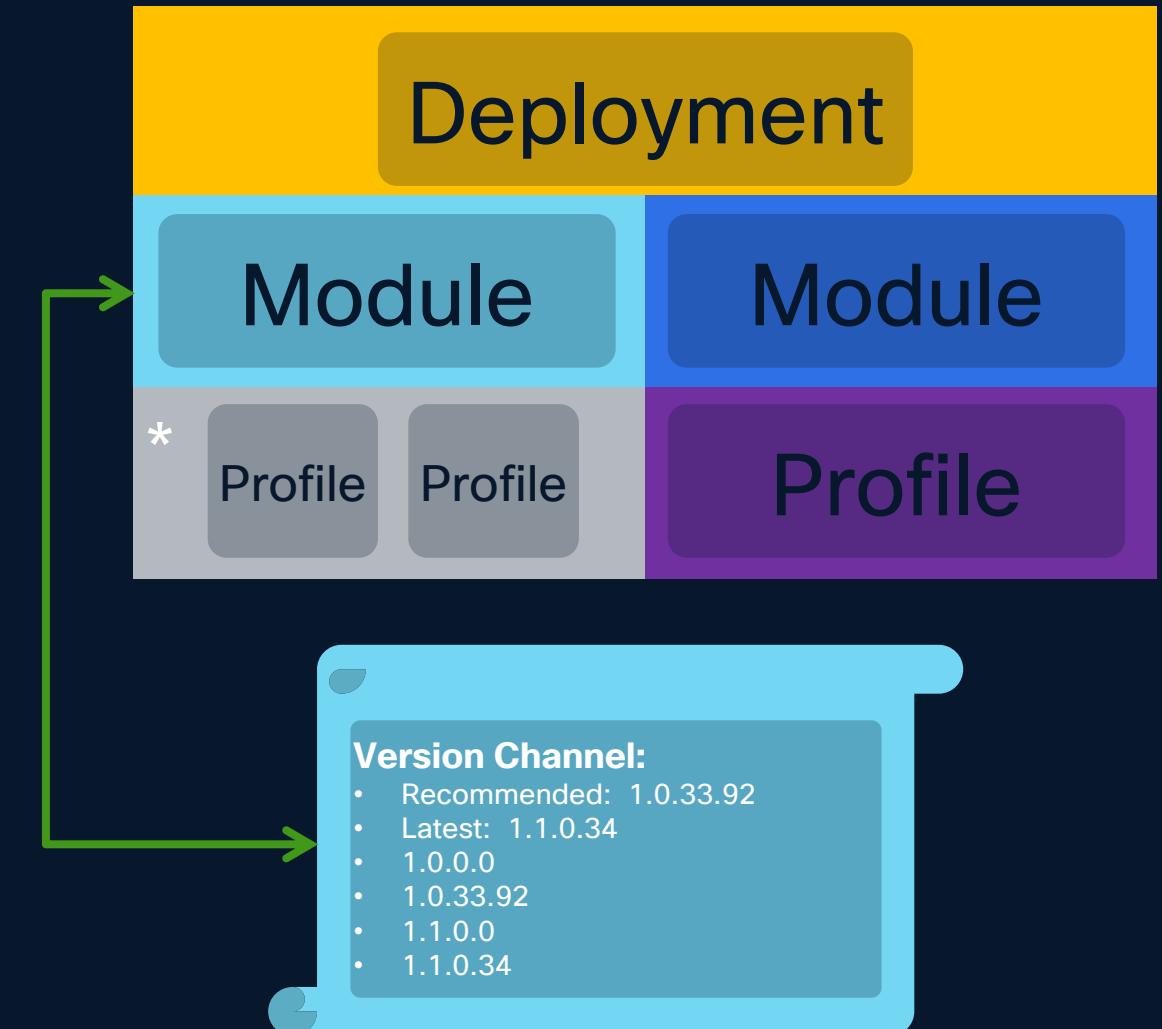
Deployment Models

- 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

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@cisco.com	Apr 28, 2025 @ 8:55 AM CDT by byazji@cisco.com
Umbrella - byazji	Umbrella	Sep 28, 2023 @ 12:55 PM CDT by byazji@cisco.com	Sep 28, 2023 @ 12:55 PM CDT by byazji@cisco.com
VPN test1	VPN	May 1, 2025 @ 4:42 PM CDT by byazji@cisco.com	May 1, 2025 @ 4:42 PM CDT by byazji@cisco.com
VPN test2	VPN	May 1, 2025 @ 4:43 PM CDT by byazji@cisco.com	May 1, 2025 @ 4:43 PM CDT by byazji@cisco.com

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....

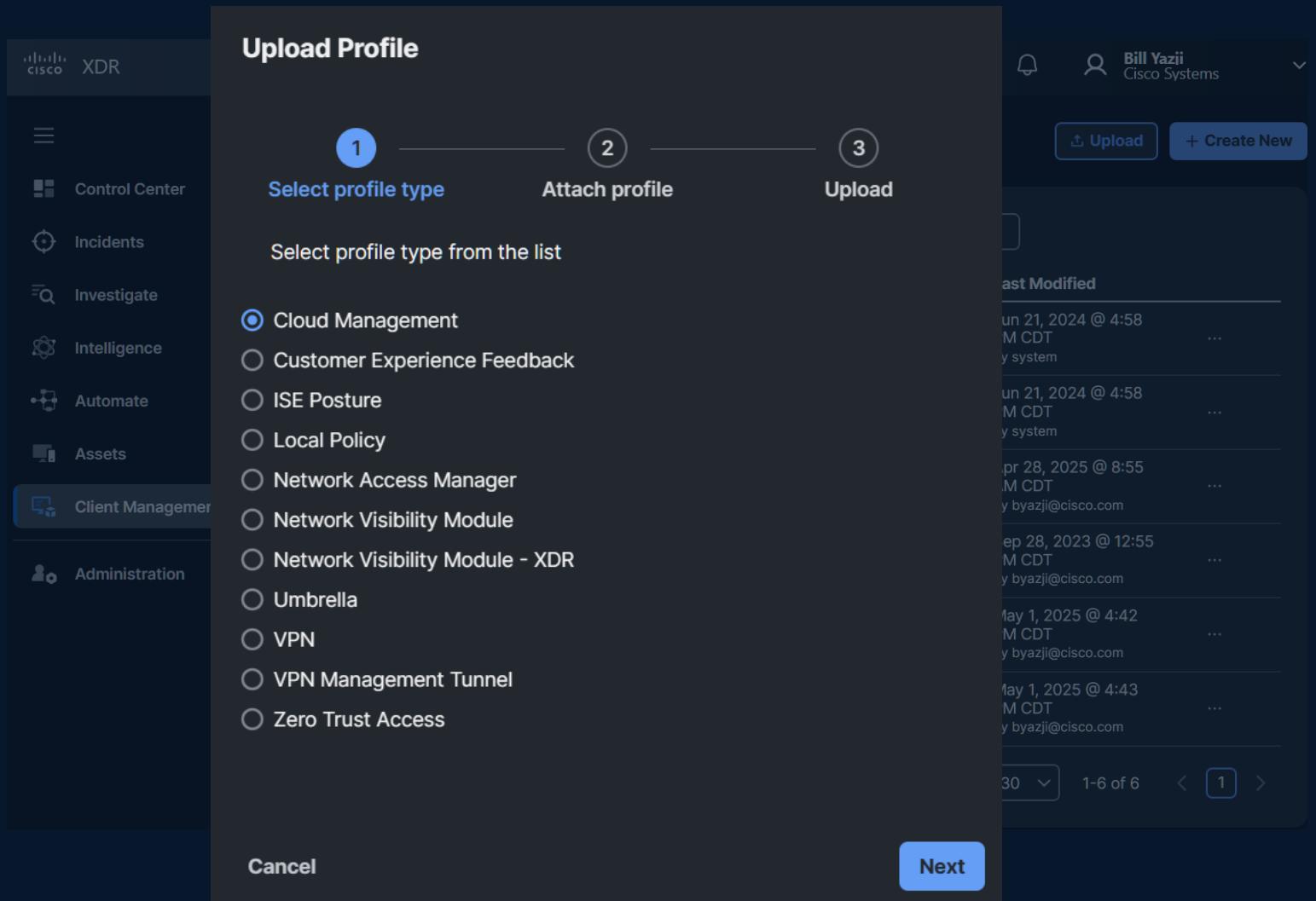
The screenshot shows the Cisco XDR web interface. The left sidebar includes links for Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (which is selected and highlighted in blue), and Administration. The main content area is titled 'Profiles' and contains a 'Create New Profile' dialog. The dialog lists several profile types with radio buttons: Cloud Management (selected), Customer Experience Feedback, ISE Posture, Local Policy, Network Visibility Module, Network Visibility Module - XDR, VPN, and VPN Management Tunnel. Below the list are fields for 'Name' (containing 'VPN test2'), 'Type' (containing 'VPN'), and 'Last Modified' (containing 'PM CDT by byazji@cisco.com'). At the bottom of the dialog are 'Cancel' and 'Create' buttons. The background shows a list of existing profiles with their names, last modified times, and users. The bottom of the page includes pagination controls for 'Rows per page' (30), '1-6 of 6', and a page number '1'.

Profile	Last Modified	By
Cloud Management	Jun 21, 2024 @ 4:58 PM CDT	by system
Customer Experience Feedback	Jun 21, 2024 @ 4:58 PM CDT	by system
ISE Posture	Apr 28, 2025 @ 8:55 AM CDT	by byazji@cisco.com
Local Policy	Sep 28, 2023 @ 12:55 PM CDT	by byazji@cisco.com
Network Visibility Module	May 1, 2025 @ 4:42 PM CDT	by byazji@cisco.com
Network Visibility Module - XDR	May 1, 2025 @ 4:43 PM CDT	by byazji@cisco.com
VPN		
VPN Management Tunnel		

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.



The screenshot shows the 'Upload Profile' wizard in the Cisco XDR interface. The wizard consists of three steps: 1. Select profile type, 2. Attach profile, and 3. Upload. The first step is active, showing a list of profile types to select from. The 'Cloud Management' option is selected. The right side of the interface shows a list of existing profiles with their last modified dates and times.

Upload Profile

1 Select profile type 2 Attach profile 3 Upload

Select profile type from the list

Cloud Management

Customer Experience Feedback

ISE Posture

Local Policy

Network Access Manager

Network Visibility Module

Network Visibility Module - XDR

Umbrella

VPN

VPN Management Tunnel

Zero Trust Access

Cancel Next

ast Modified

un 21, 2024 @ 4:58 M CDT y system ...

un 21, 2024 @ 4:58 M CDT y system ...

pr 28, 2025 @ 8:55 M CDT y byazji@cisco.com ...

ep 28, 2023 @ 12:55 M CDT y byazji@cisco.com ...

ay 1, 2025 @ 4:42 M CDT y byazji@cisco.com ...

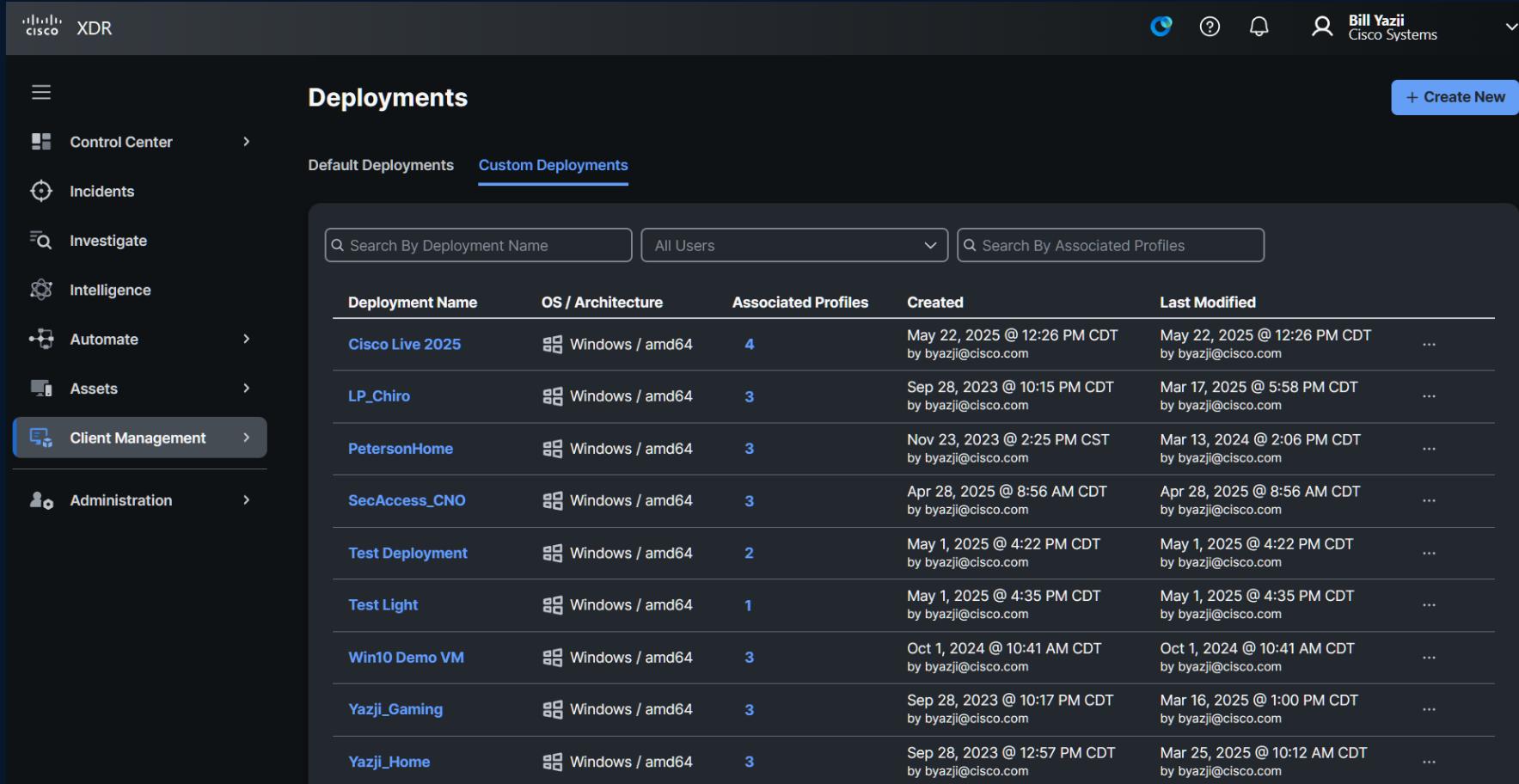
ay 1, 2025 @ 4:43 M CDT y byazji@cisco.com ...

30 1-6 of 6 < 1 >

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 image shows the Cisco XDR interface for managing deployments. The left sidebar includes links for Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (which is selected), and Administration. The main content area is titled 'Deployments' and shows a table of existing deployments. The table has columns for Deployment Name, OS / Architecture, Associated Profiles, Created, and Last Modified. Each deployment entry includes a '...' button for more options. The 'Associated Profiles' column shows the number of profiles assigned to each deployment. The 'Created' and 'Last Modified' columns show the date and time of creation and the last update, along with the email address of the creator.

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

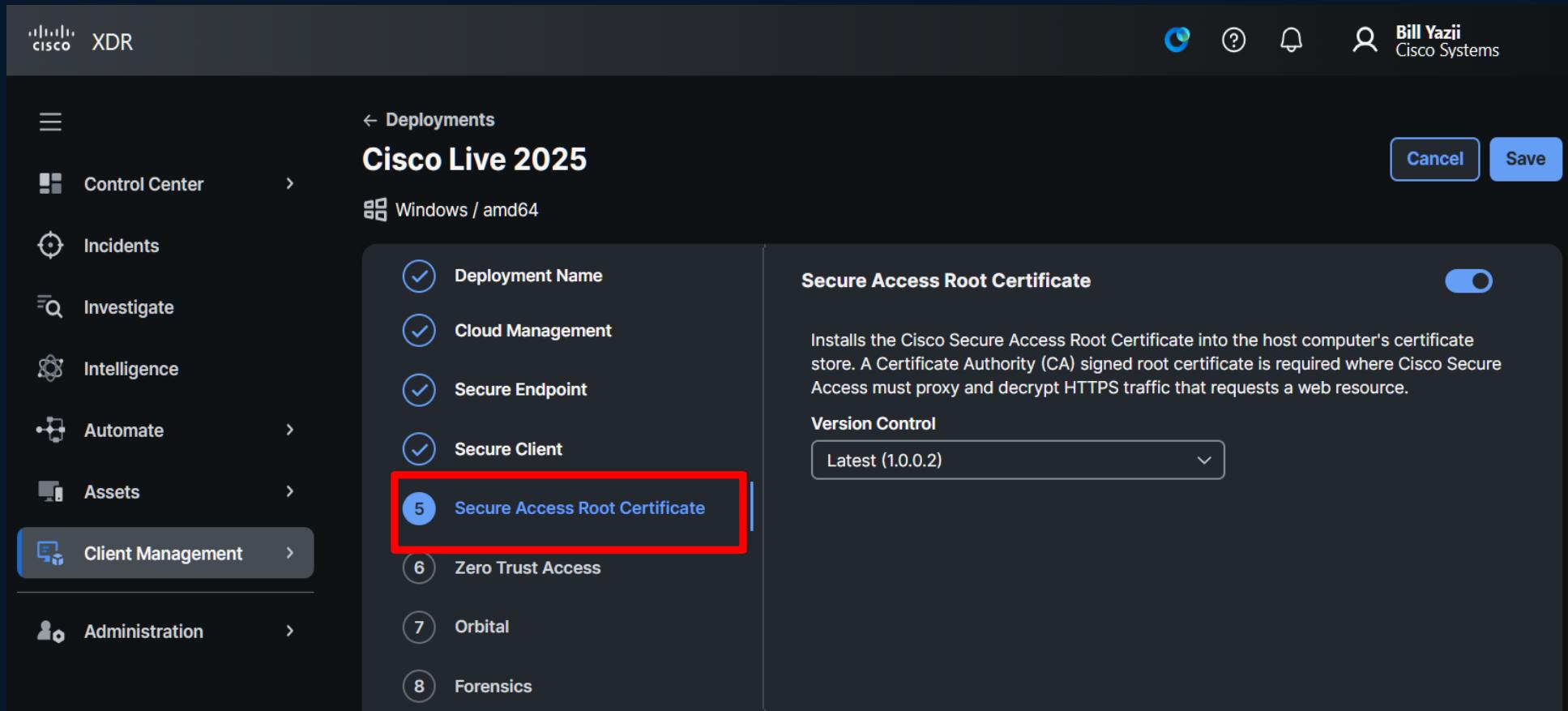
The screenshot shows the Cisco XDR Control Center interface. The left sidebar includes options like Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (which is selected and highlighted in blue), and Administration. The main content area is titled 'Cisco Live 2025' and shows a 'Windows / amd64' deployment. A list of deployment modules is on the left, numbered 1 to 8: Deployment Name, Cloud Management, Secure Endpoint, Secure Client, Secure Access Root Certificate, Zero Trust Access, Orbital, and Forensics. On the right, a 'Deployment Name' configuration panel is open, showing a 'Name*' field with 'Cisco Live 2025' entered.



Secure Client Cloud Management

New for 2025

- Secure Access Root Certificate



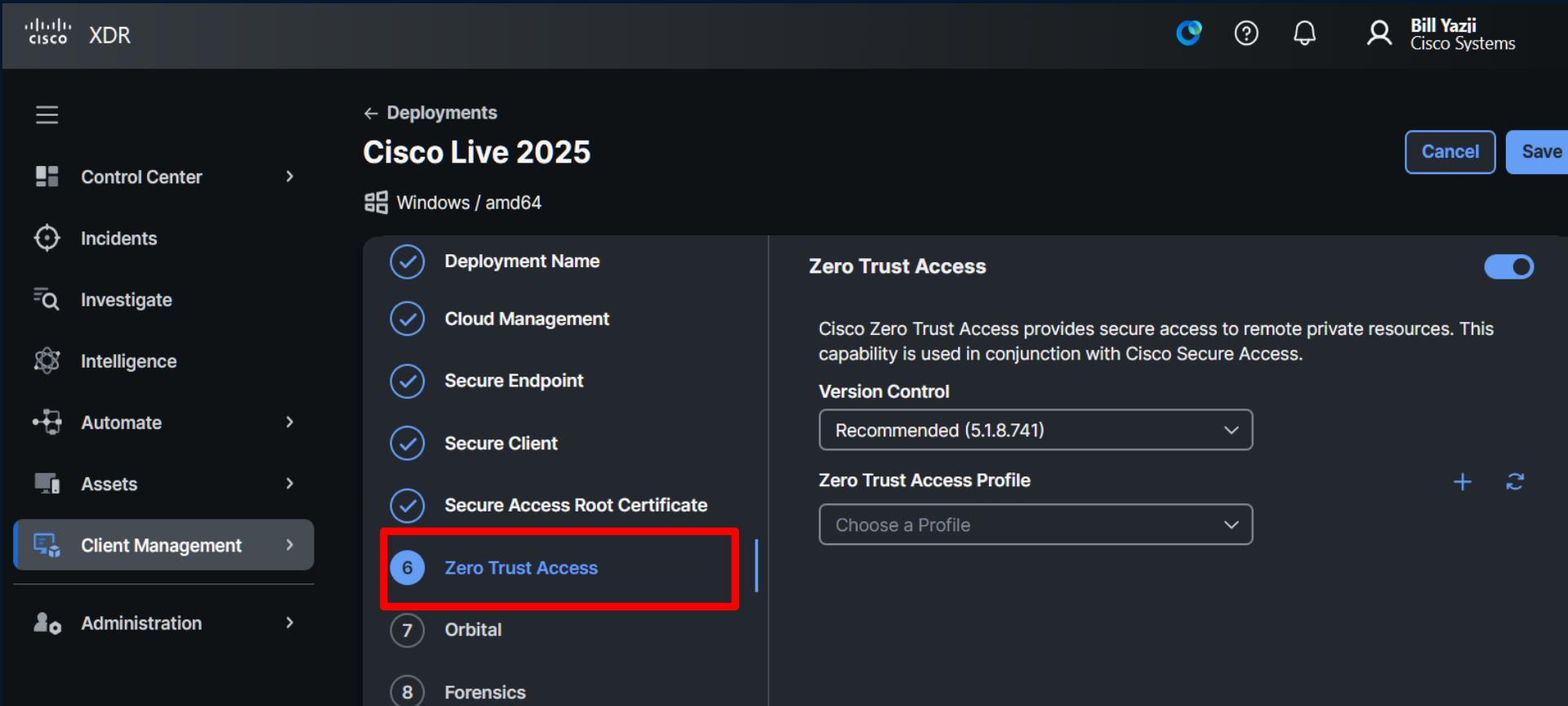
The screenshot shows the Cisco XDR interface with the following details:

- Control Center** is selected in the sidebar.
- Deployments** section shows a deployment for **Cisco Live 2025** on **Windows / amd64**.
- Secure Client** is listed as step 5 in the deployment sequence, highlighted with a red box.
- Secure Access Root Certificate** is listed as step 6 in the sequence.
- Secure Access Root Certificate** is currently enabled (switch is on).
- Version Control** is set to **Latest (1.0.0.2)**.
- Cancel** and **Save** buttons are visible in the top right.

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



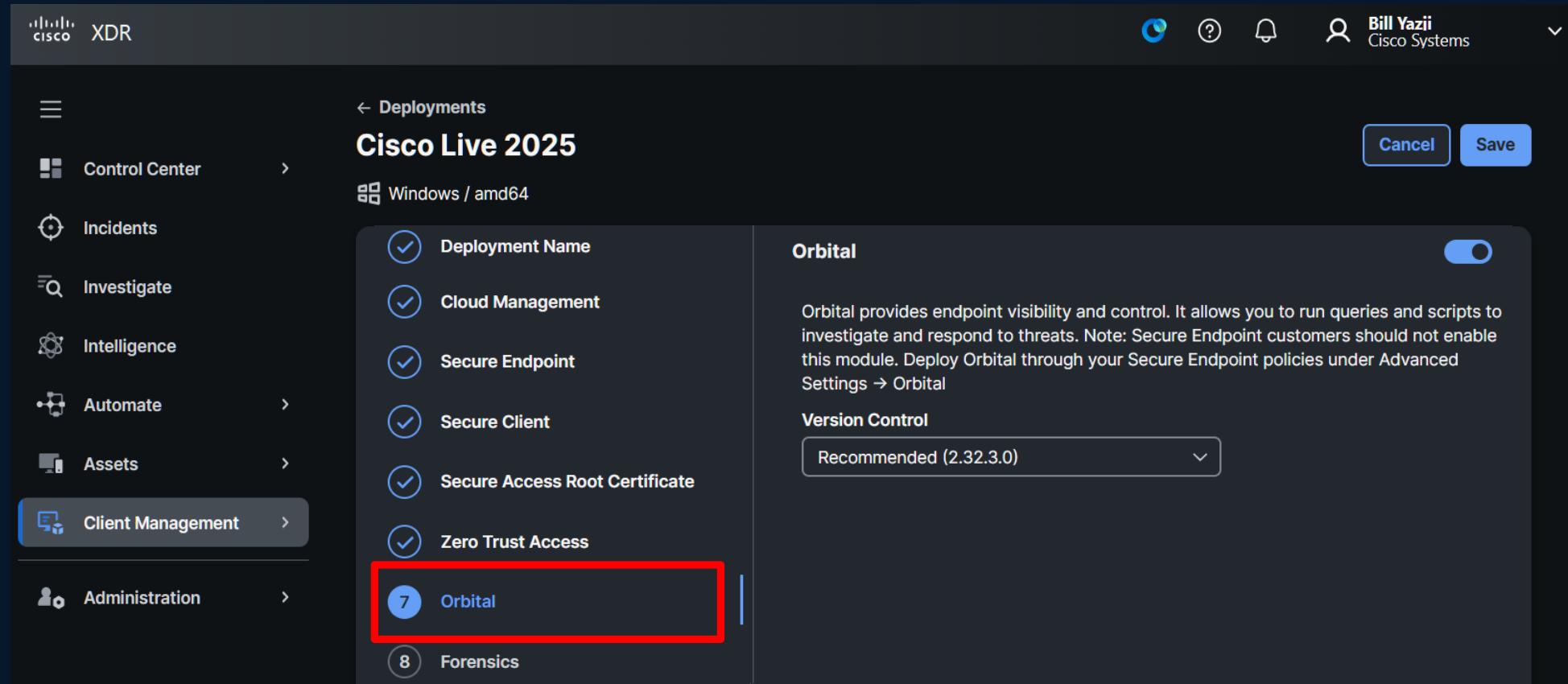
The screenshot shows the Cisco XDR interface with the following details:

- Header:** Cisco XDR
- Top Right:** User profile (Bill Yazi, Cisco Systems), notifications, and Save/Cancel buttons.
- Left Sidebar:** Control Center, Incidents, Investigate, Intelligence, Automate, Assets, Client Management (highlighted in blue), and Administration.
- Center:** Deployment Name: Cisco Live 2025, Platform: Windows / amd64.
- Deployment List:** Deployment Name, Cloud Management, Secure Endpoint, Secure Client, Secure Access Root Certificate, and **Zero Trust Access** (highlighted with a red box).
- Right Panel:**
 - Zero Trust Access:** Enabled (blue switch). 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 (dropdown).

Secure Client Cloud Management

New for 2025

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

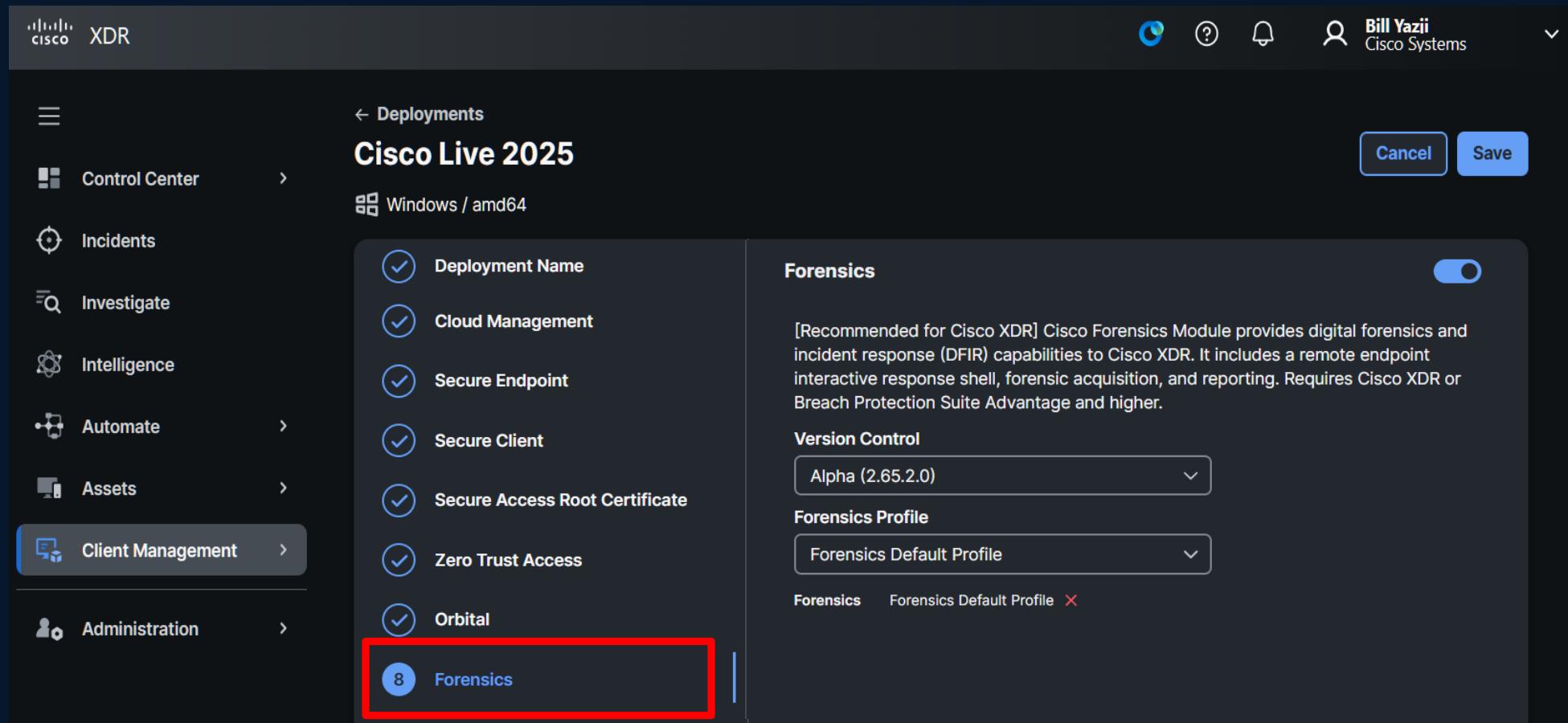


The screenshot shows the Cisco XDR interface. The left sidebar includes 'Control Center', 'Incidents', 'Investigate', 'Intelligence', 'Automate', 'Assets', 'Client Management' (which is selected and highlighted in blue), and 'Administration'. The main content area is titled 'Cisco Live 2025' under 'Deployments' for 'Windows / amd64'. It lists several modules: Deployment Name, Cloud Management, Secure Endpoint, Secure Client, Secure Access Root Certificate, Zero Trust Access, and Orbital. The 'Orbital' module is highlighted with a red box. To the right of the modules is a description: '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'. Below this is a 'Version Control' dropdown set to 'Recommended (2.32.3.0)'. The top right of the interface shows user information for 'Bill Yazzi' and 'Cisco Systems'.

Secure Client Cloud Management

New for 2025

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



The screenshot shows the Cisco XDR interface with the following details:

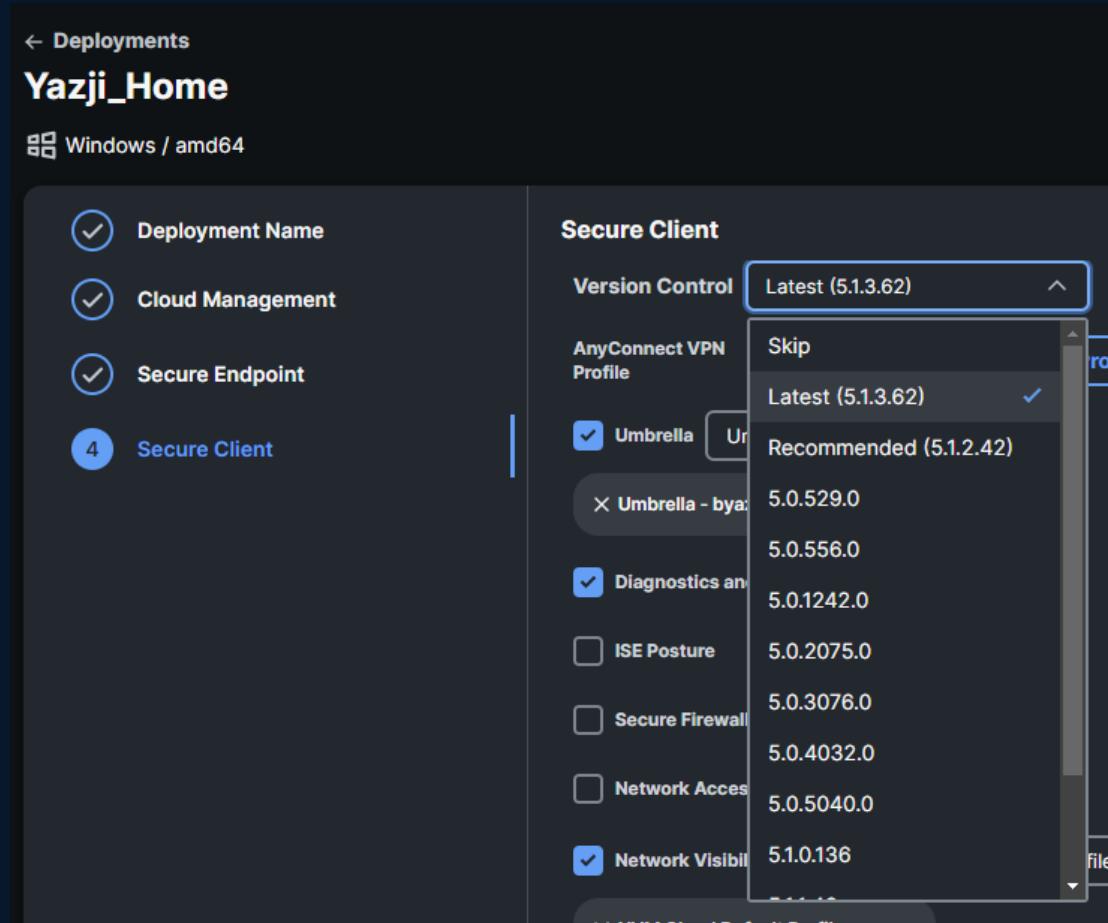
- Control Center** is selected in the sidebar.
- Deployment Name**: Cisco Live 2025
- Platform**: Windows / amd64
- Selected Modules** (highlighted with a red box):
 - Deployment Name
 - Cloud Management
 - Secure Endpoint
 - Secure Client
 - Secure Access Root Certificate
 - Zero Trust Access
 - Orbital
 - Forensics** (highlighted with a red box)
- Forensics** module description: [Recommended for Cisco XDR] Cisco Forensics Module provides digital forensics and incident response (DFIR) capabilities to Cisco XDR. It includes a remote endpoint interactive response shell, forensic acquisition, and reporting. Requires Cisco XDR or Breach Protection Suite Advantage and higher.
- Version Control**: Alpha (2.65.2.0)
- Forensics Profile**: Forensics Default Profile
- Forensics** sub-profile: Forensics Default Profile (with a red 'X' icon)

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

Version Catalog

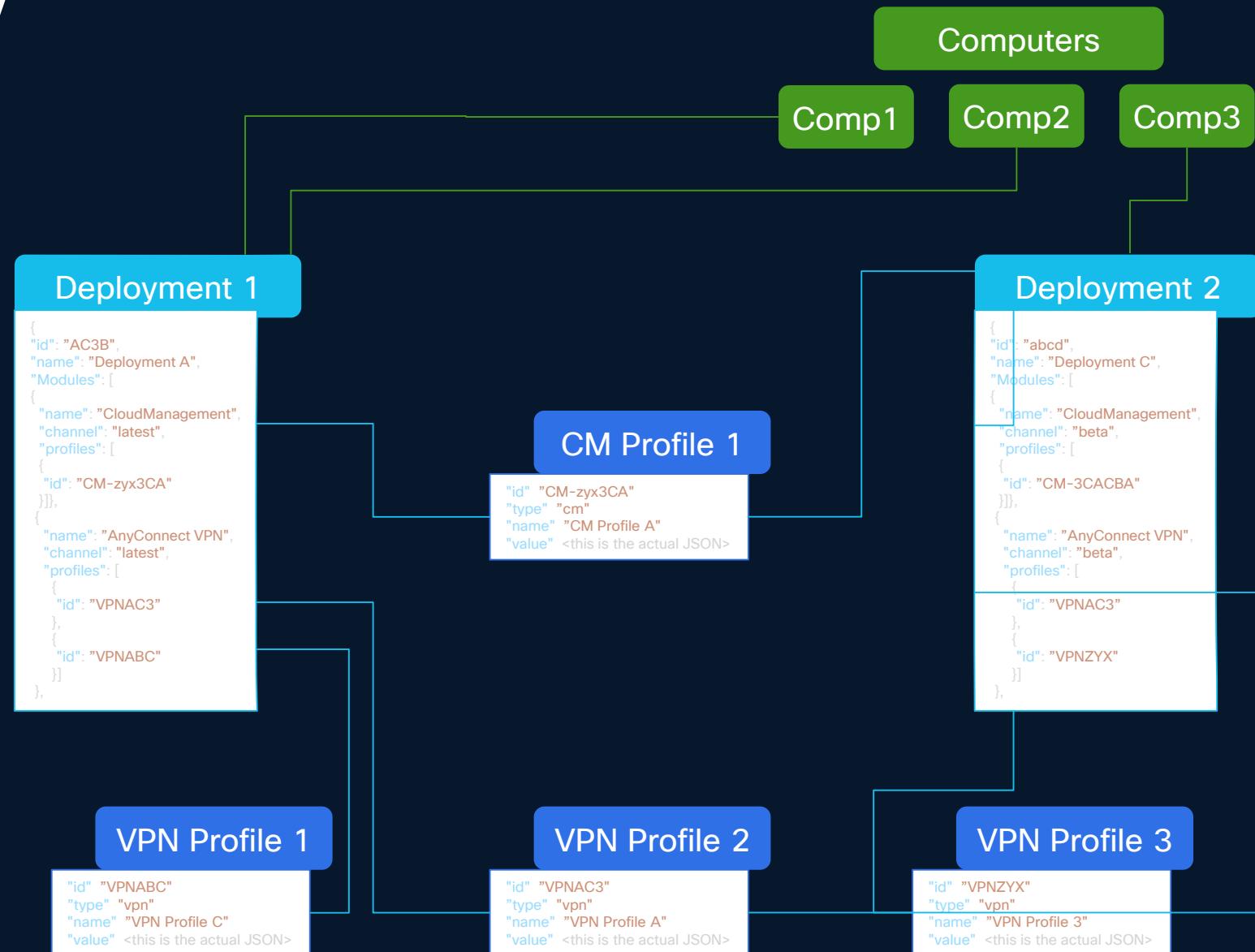
- For each deployment:
 - Controllable channel for software versioning:
 - Hard-Code the specific version (version lock)
 - Skip (never upgrade version)
 - Recommended
 - Latest
 - Beta
 - Alpha
 - Allows you to have an “early testers” set of endpoints, etc..

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



Deployment Hierarchy

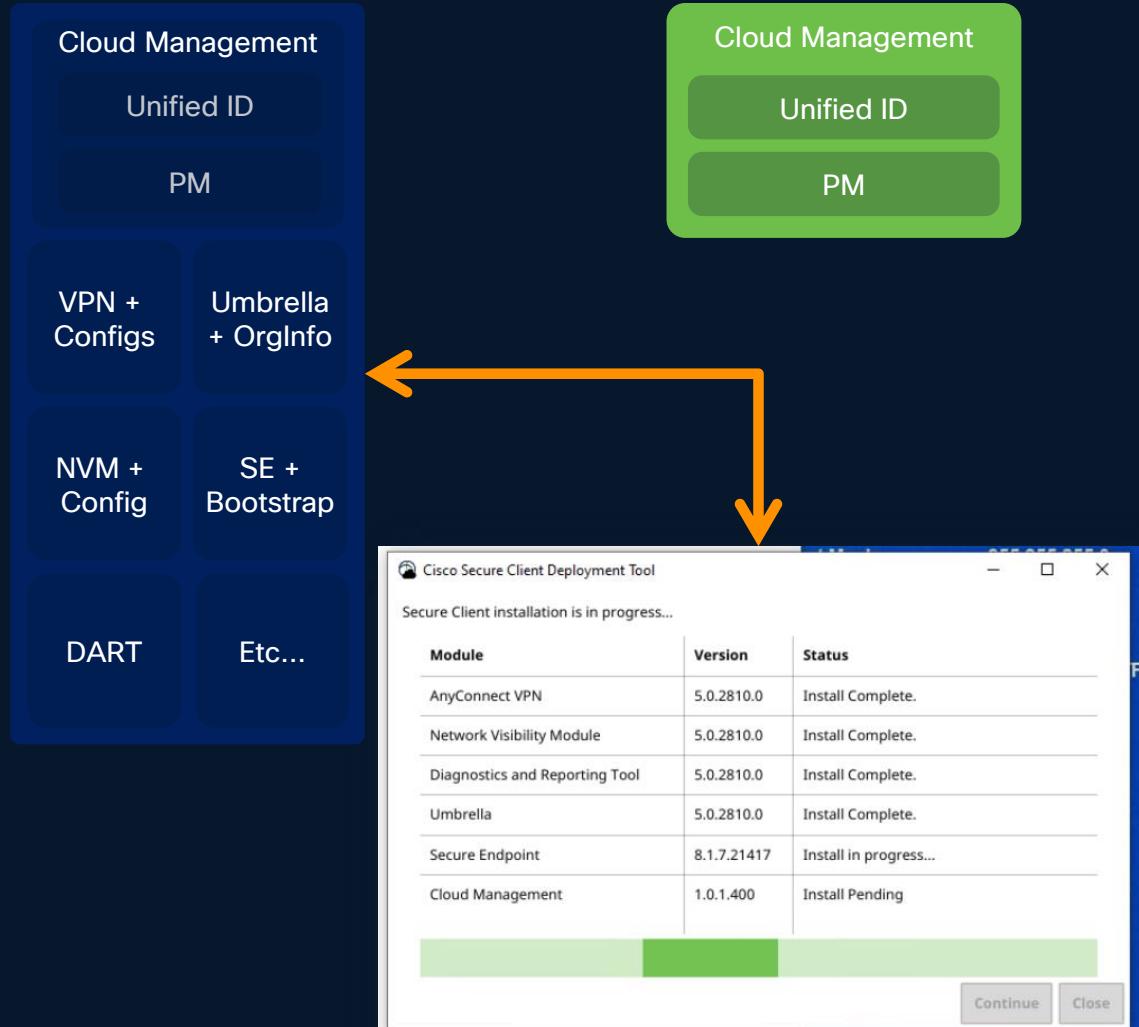
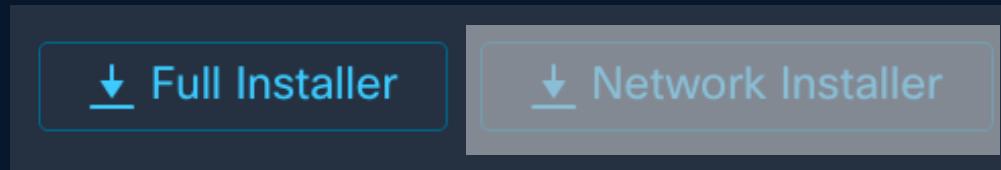
- Computers assigned to 1 Deployment at a time!
- Able to move computers to different Deployments
- Deployment ties together:
 - Chosen Modules
 - Module Software Versions
 - Software “Channel” for updates / versions
- Profiles (Module Configs)
 - Each Profile can be in up to 45 Deployments (increasing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



Installing CSC

Full & Network Installer Options

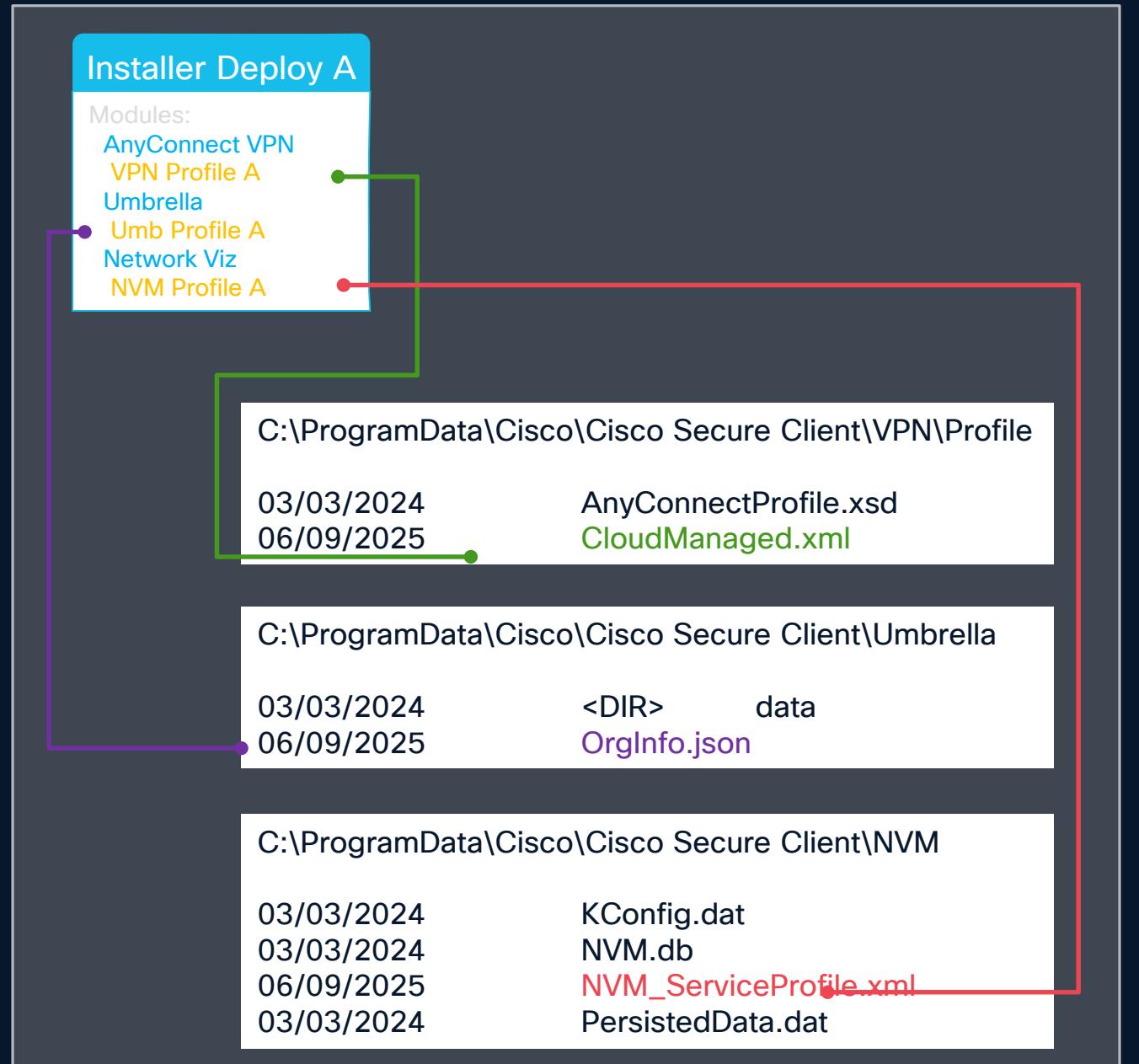
- Full Installer:
 - All selected Modules & their configurations.



Installing CSC

Full Installer Option

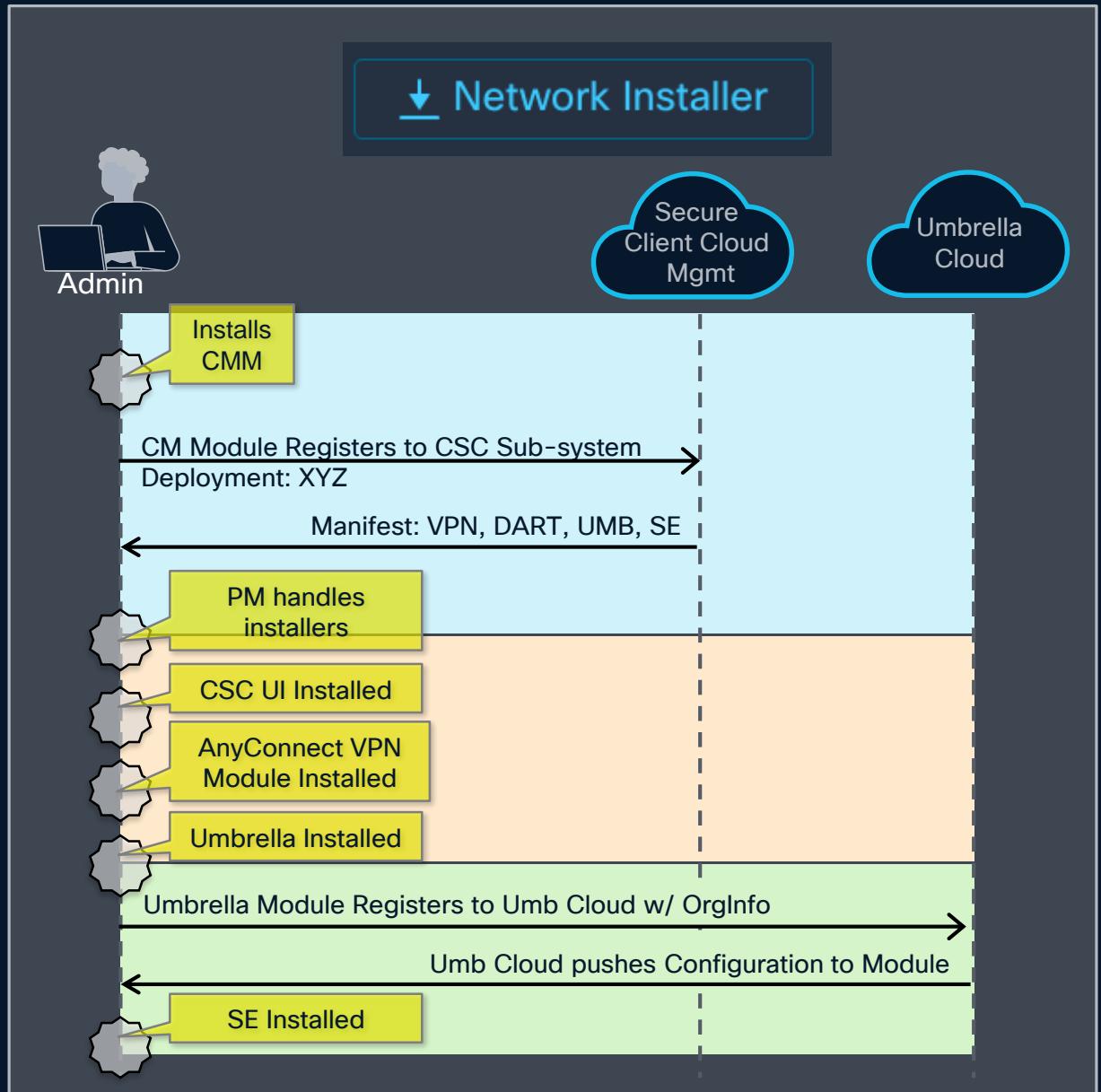
- Contains packages for modules + profiles
- Places the profiles in the correct place
- Renames profile from the ‘friendly name’ in Cloud Management to the required name (if applicable)



Installing CSC

Network Installer

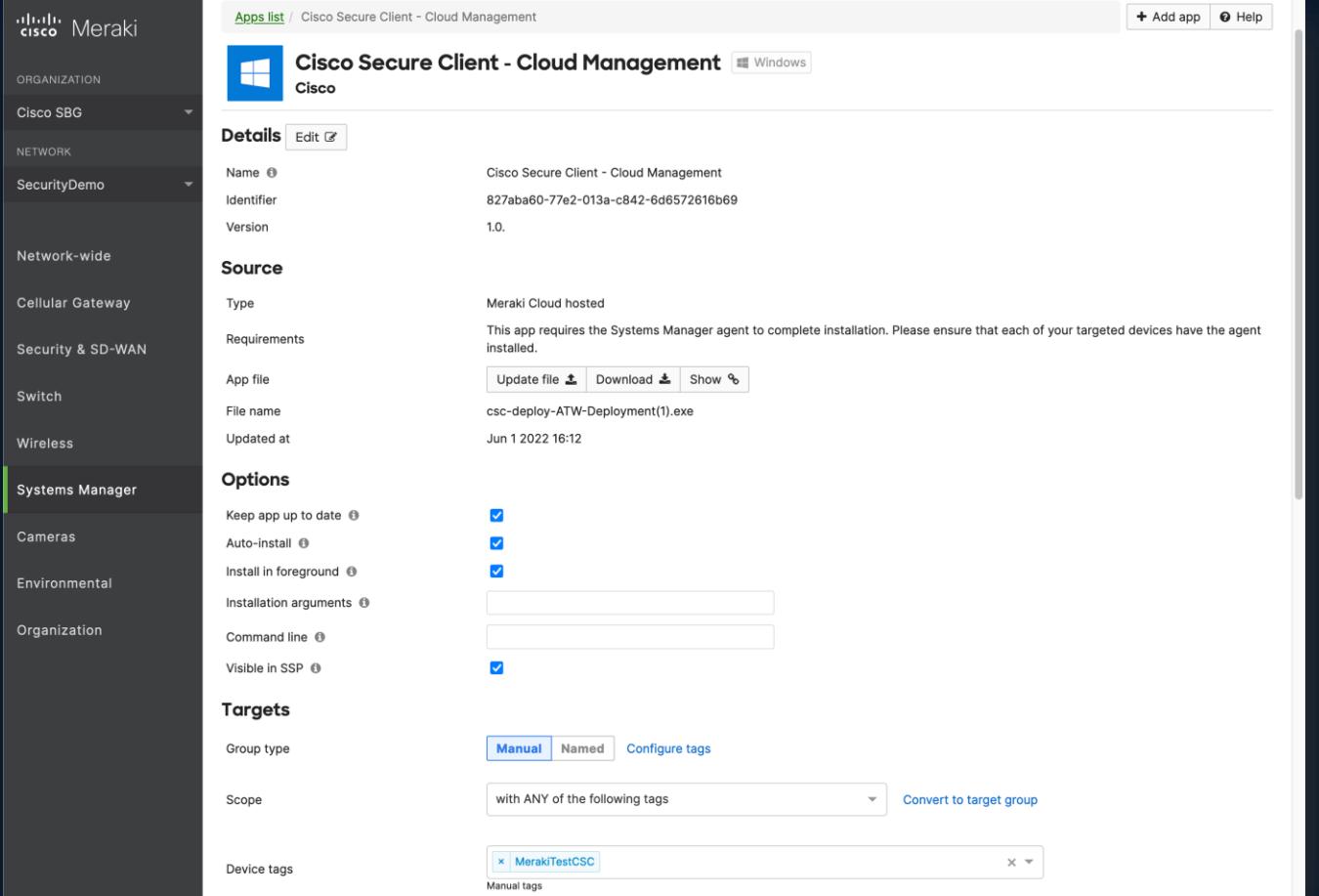
- Lightweight installer
 - Installs the Cloud Management Module with its config only & Cloud Diagnostic tool
 - Package Manager pulls the manifest from cloud deployment and installs each module and configuration.
- Size Comparison Example
 - Identical module/profile configuration
 - Network Installer: ~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 shows the Cisco Meraki Cloud Management interface. On the left, a sidebar lists various management categories: Organization, Cisco SBG, Network, SecurityDemo (selected), Network-wide, Cellular Gateway, Security & SD-WAN, Switch, Wireless, Systems Manager (selected), Cameras, Environmental, and Organization. The main panel displays the 'Cisco Secure Client - Cloud Management' app details. The app icon is a blue Windows logo with 'Cisco' below it. The name is 'Cisco Secure Client - Cloud Management', identifier is '827aba60-77e2-013a-c842-6d6572616b69', and version is '1.0'. The source is 'Meraki Cloud hosted'. Requirements state that the app requires the Systems Manager agent. The app file is 'csc-deploy-ATW-Deployment(1).exe'. The 'Options' section includes checkboxes for 'Keep app up to date', 'Auto-install', 'Install in foreground', 'Installation arguments', 'Command line', and 'Visible in SSP'. The 'Targets' section shows 'Group type' as 'Manual', 'Named', and 'Configure tags'. The 'Scope' is set to 'with ANY of the following tags' and 'Device tags' include 'MerakiTestCSC'. A 'Convert to target group' button is also present.

Client Management

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

The screenshot shows the Cisco XDR Client Management interface. The top navigation bar includes links for Control Center, Incidents (selected), Investigate, Intelligence, Automate, Assets, Client Management (selected), and Administration. The main dashboard displays the following sections:

- Clients:** Shows 4 total clients. 1 client is "Not Seen In Over 7 Days" and 0 are "Windows 10". 2 clients "Need Connector Update" and 4 are "Windows 11".
- Device Types:** A pie chart showing the distribution of device types: Server (0), Desktop (4), Virtual (0), and Mobile (0).
- Deployments:** Shows 2 deployments: PetersonHome (1 device) and Yazji_Home (1 device). It also lists 1 device in the Yazji_Gaming deployment and 0 devices in the XDR Default Deployment.

Below these sections is a search and filter bar with Text Search, Saved Filters, and Managed Status dropdowns. A note says "Sources Must Include: Secure Client".

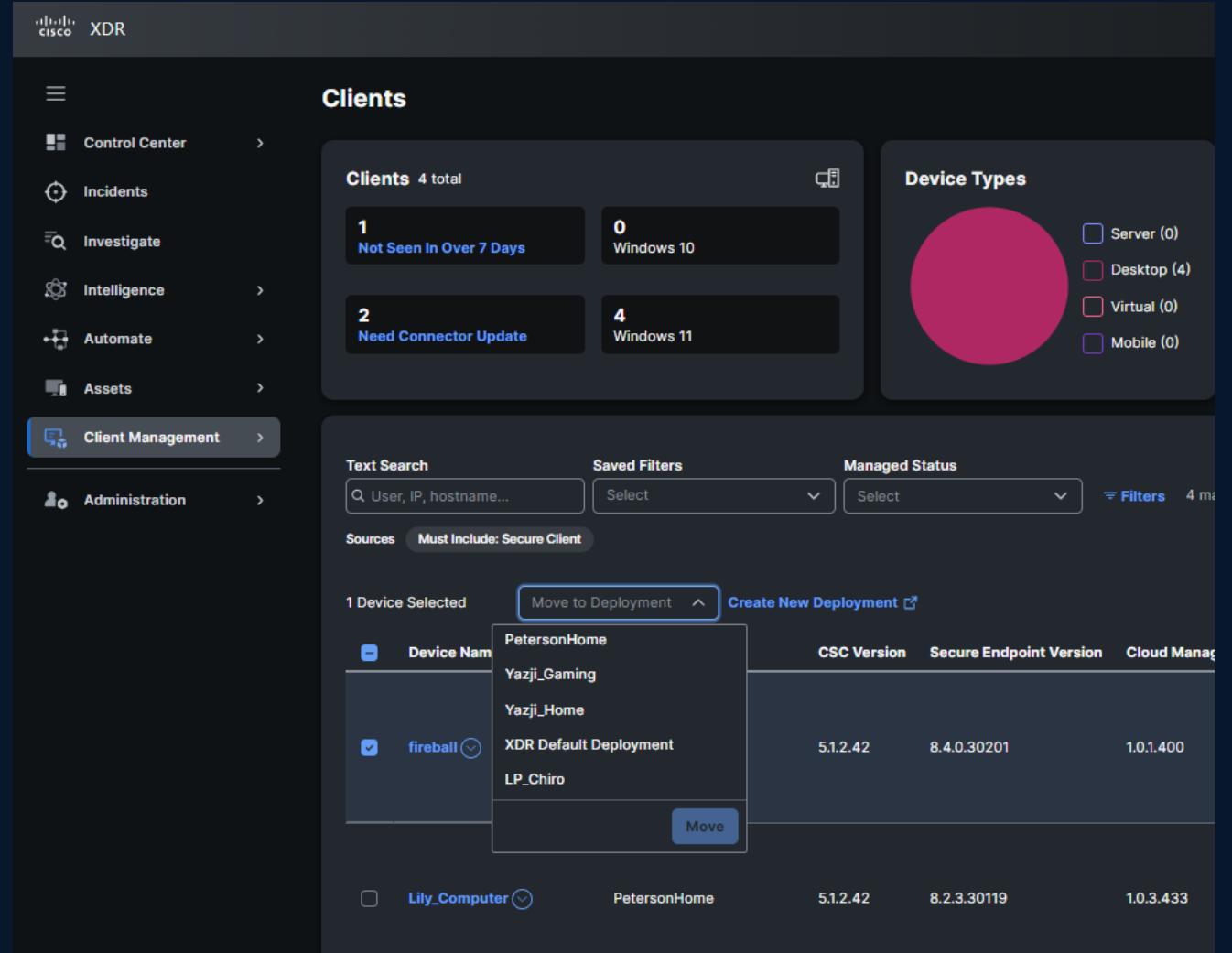
The main table lists 4 devices:

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)

Buttons for "Move to Deployment", "Create New Deployment", and "Export to CSV" are located at the top of the table.

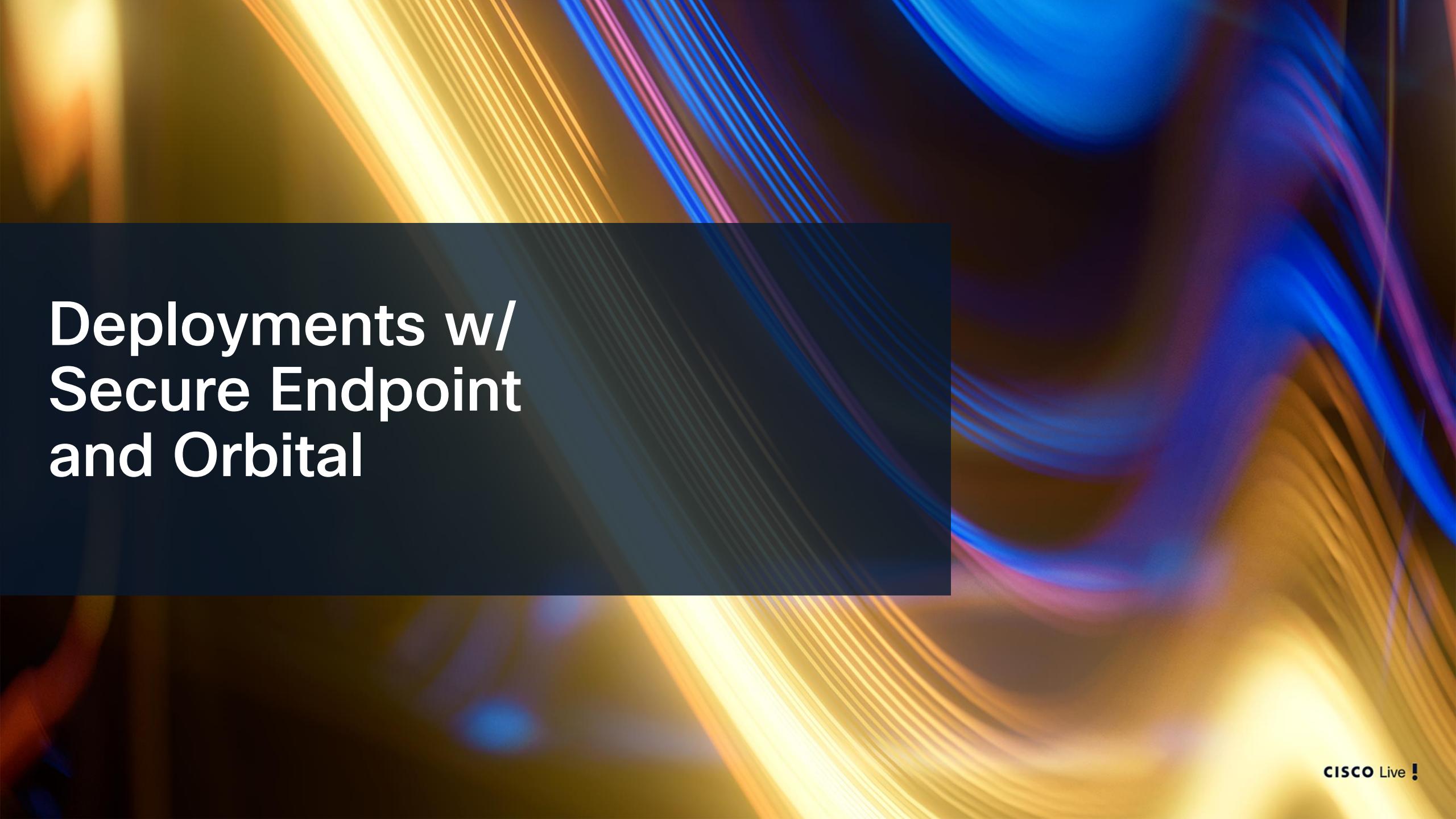
Moving Deployments

- 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.



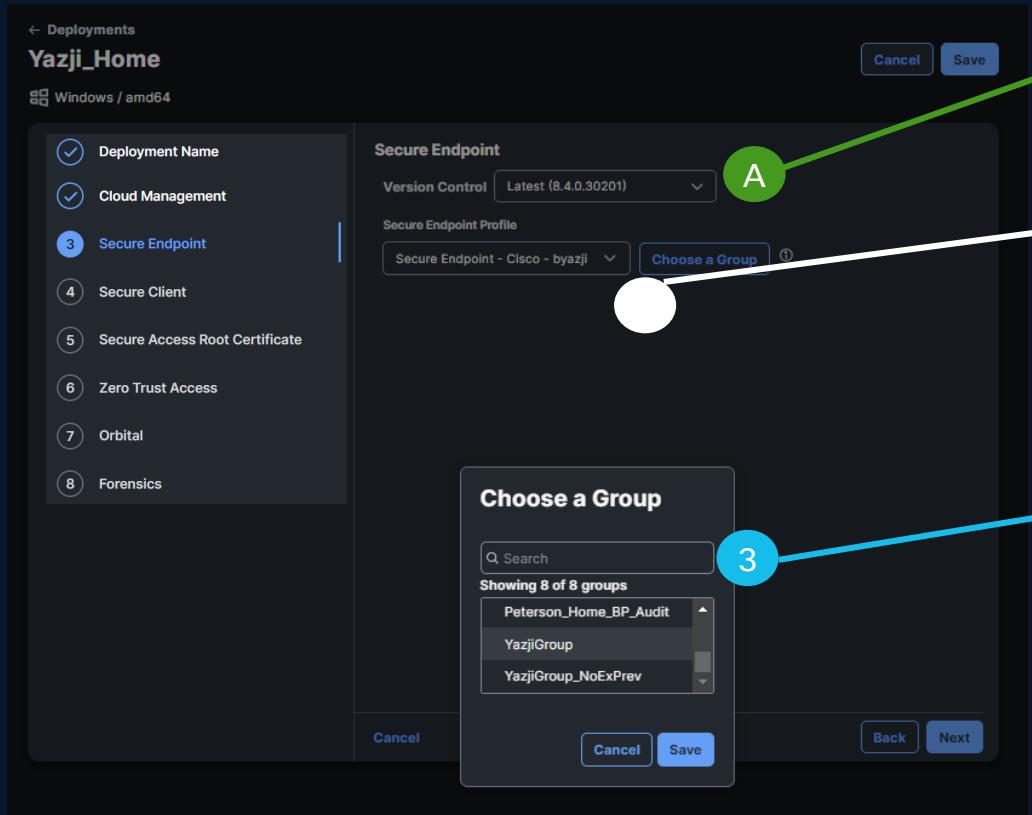
The screenshot shows the Cisco XDR Client Management interface. The left sidebar includes 'Control Center', 'Incidents', 'Investigate', 'Intelligence', 'Automate', 'Assets', 'Client Management' (which is selected and highlighted in blue), and 'Administration'. The main 'Clients' section displays 'Clients 4 total' with two cards: '1 Not Seen In Over 7 Days' and '2 Need Connector Update'. To the right is a 'Device Types' chart showing 4 Desktop devices. The 'Client Management' section has a 'Text Search' field, 'Saved Filters' dropdowns, and a 'Managed Status' dropdown. It shows '1 Device Selected' with a table:

Device Name	CSC Version	Secure Endpoint Version	Cloud Manager
PetersonHome	5.1.2.42	8.4.0.30201	1.0.1.400
Yazji_Gaming			
Yazji_Home			
XDR Default Deployment			
LP_Chiro			
<input checked="" type="checkbox"/> fireball	<input type="button" value="Move"/>		
<input type="checkbox"/> Lily_Computer	PetersonHome	5.1.2.42	8.2.3.30119
			1.0.3.433

The background of the slide features a dynamic, abstract design of light streaks. These streaks are primarily composed of blue, yellow, and orange lines that curve and intersect across the frame, creating a sense of motion and depth. The overall effect is reminiscent of a starry sky or a high-speed data transfer visualization.

Deployments w/ Secure Endpoint and Orbital

Configuring Secure Endpoint



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

Select Desired SE Version

Select your SE Organization

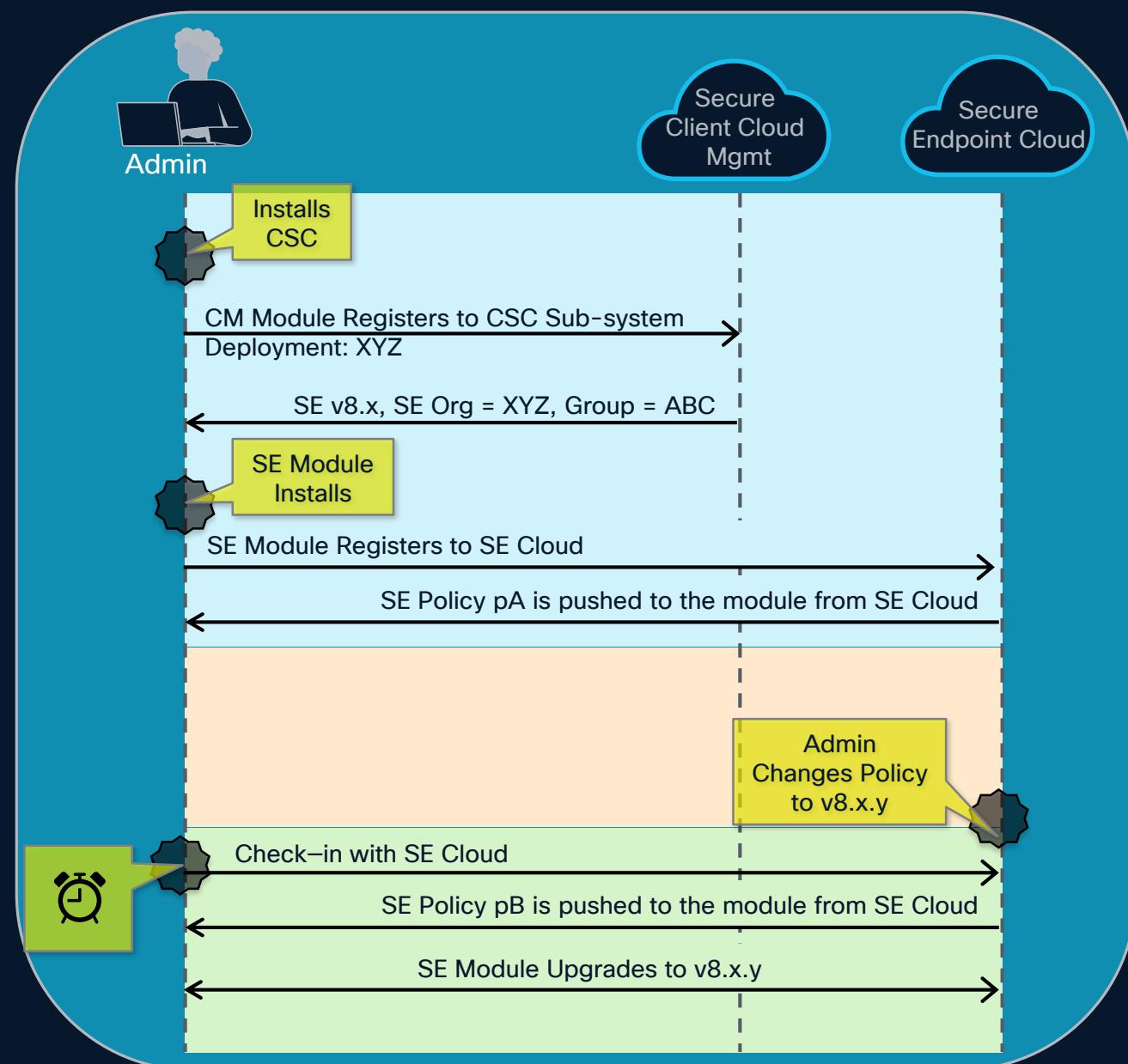
There can be more than one

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.

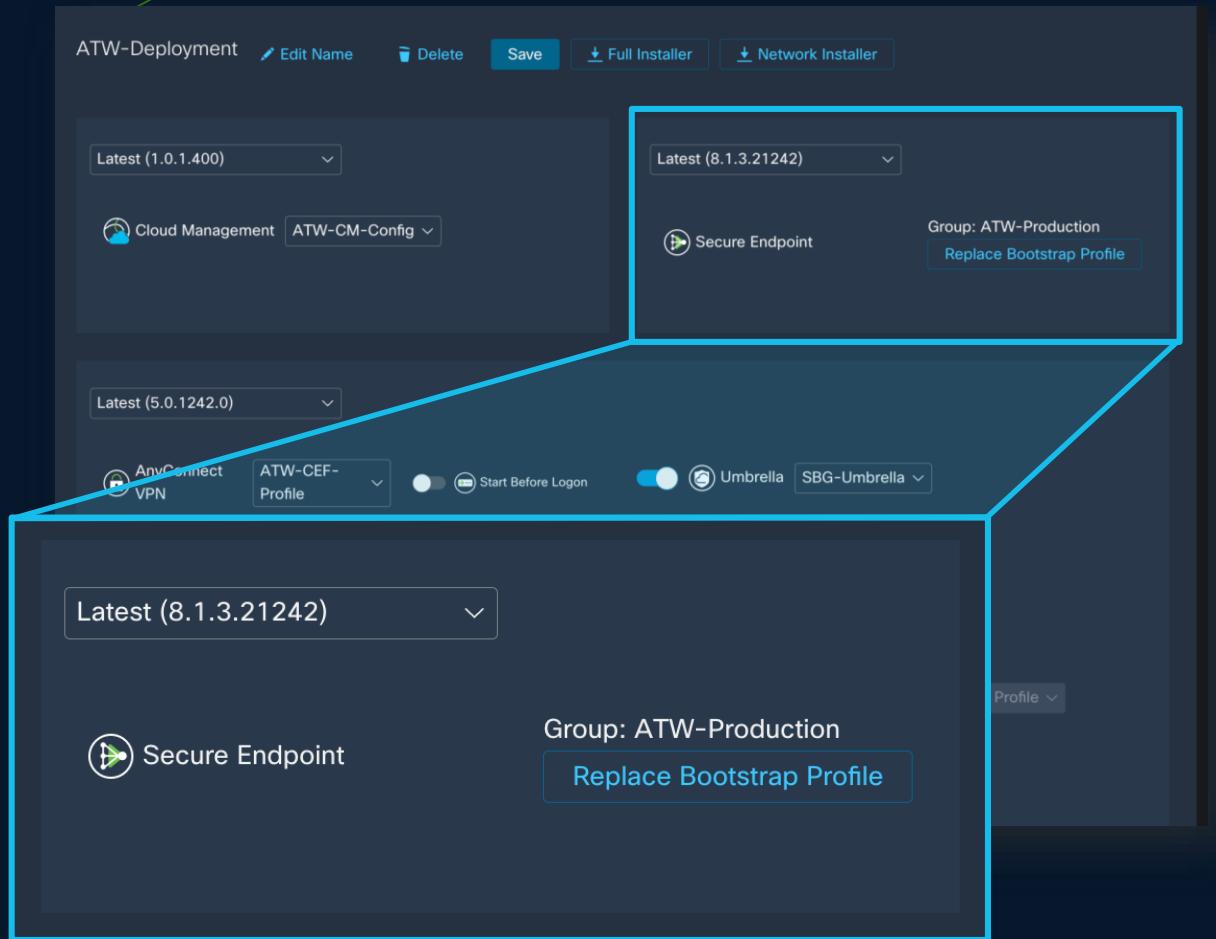
Bootstrap?

- 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

Save

Full Installer

Network Installer

Latest (1.0.1.400)

Cloud Management ATW-CM-Config

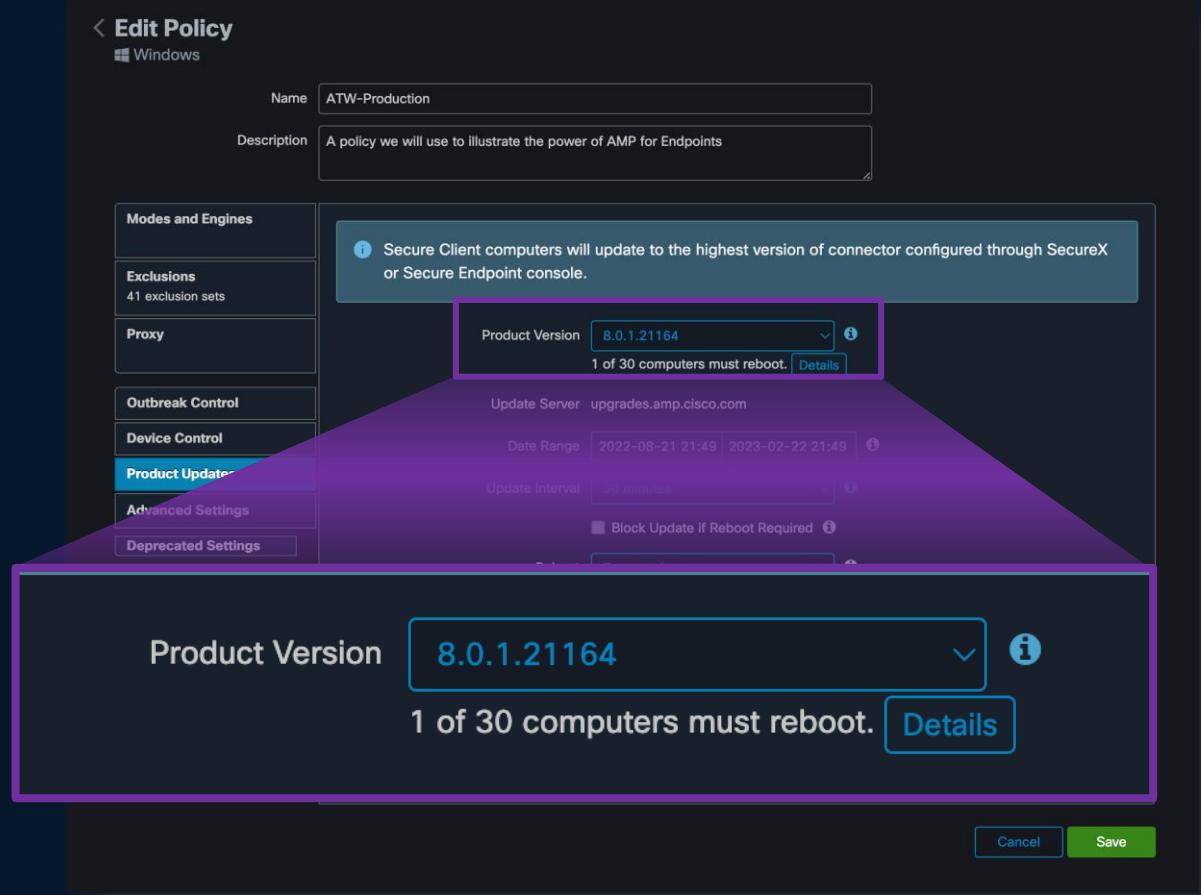
Latest (5.0.1242.0)

AnyConnect VPN ATW-CEF-Profile Start Before Logon Umbrella SBG-Umbrella

Latest (8.1.3.21242)

Secure Endpoint Group: ATW-Production Replace Bootstrap Profile

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

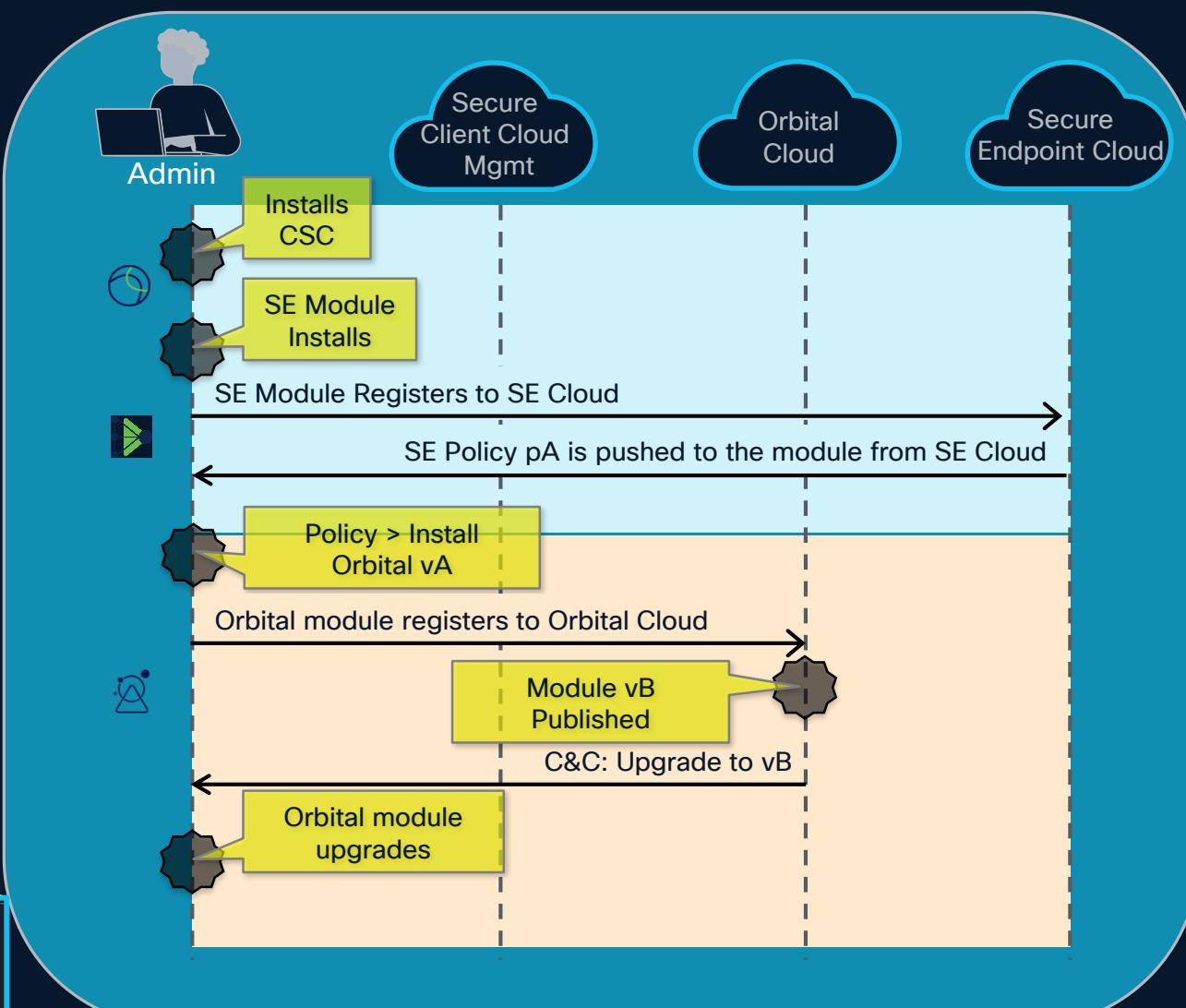
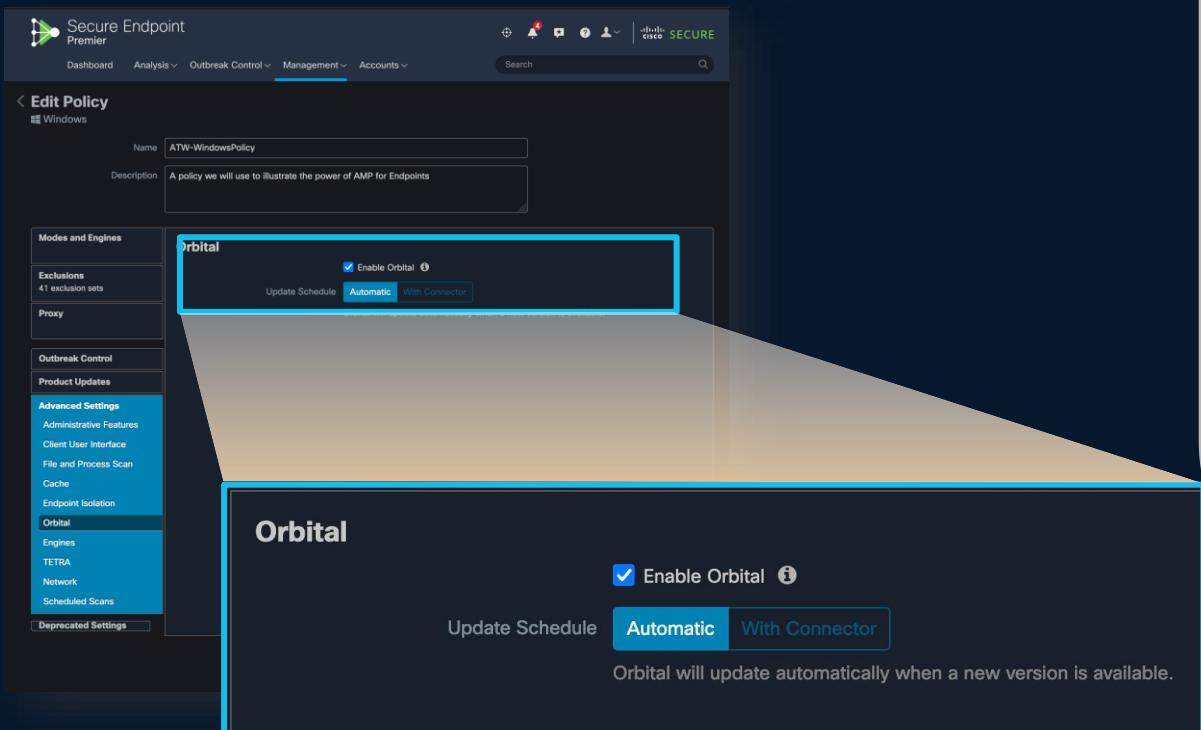
Product Version: 8.0.1.21164

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

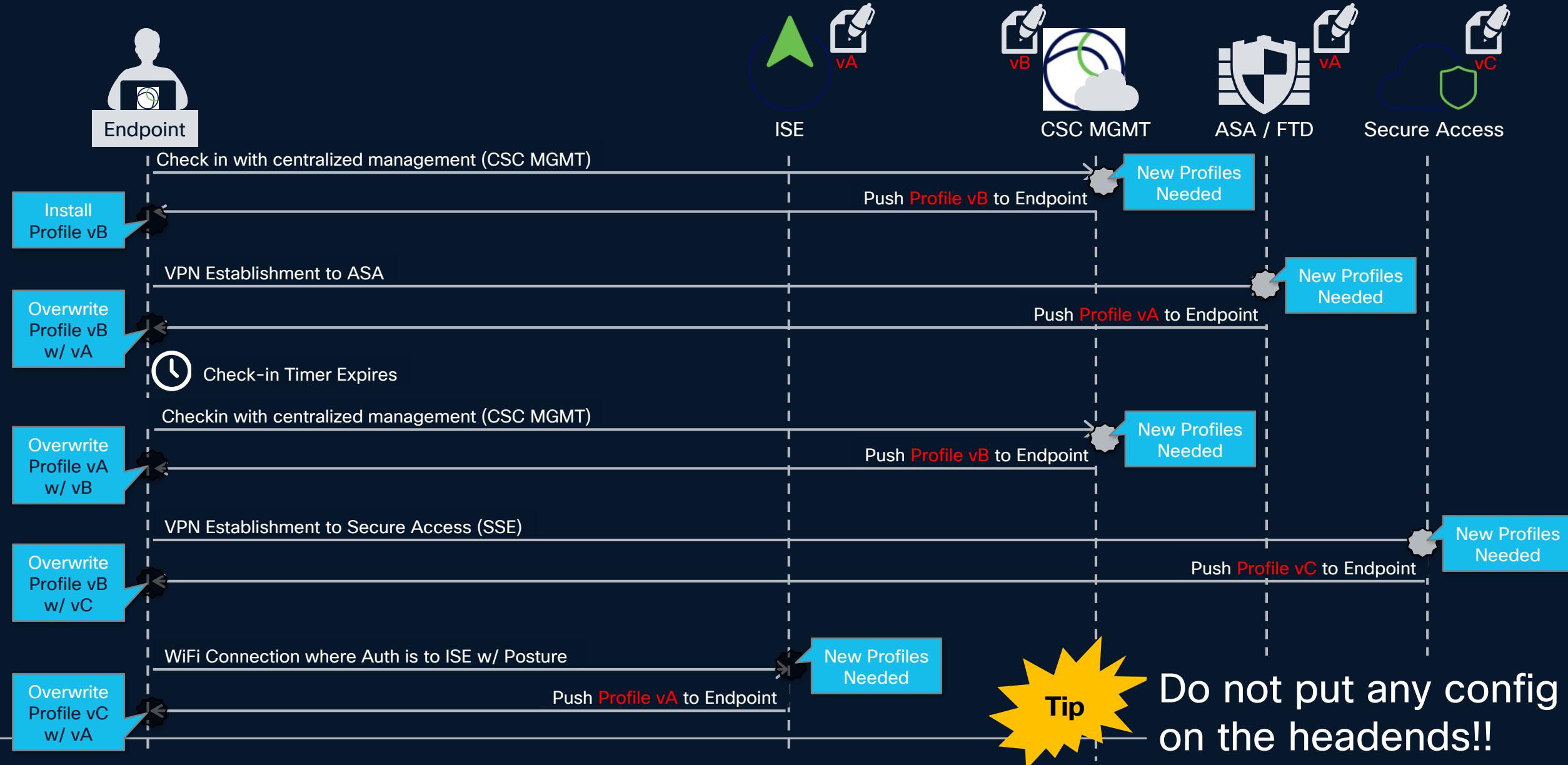
Upgrading

- 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



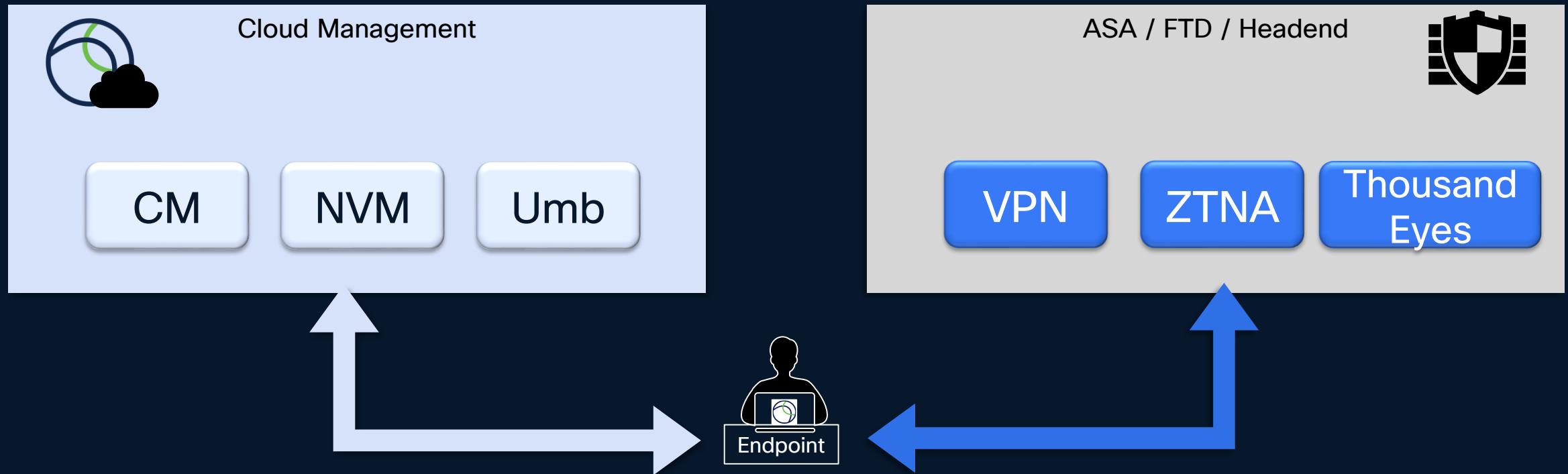
Details on Profile Merges

- 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

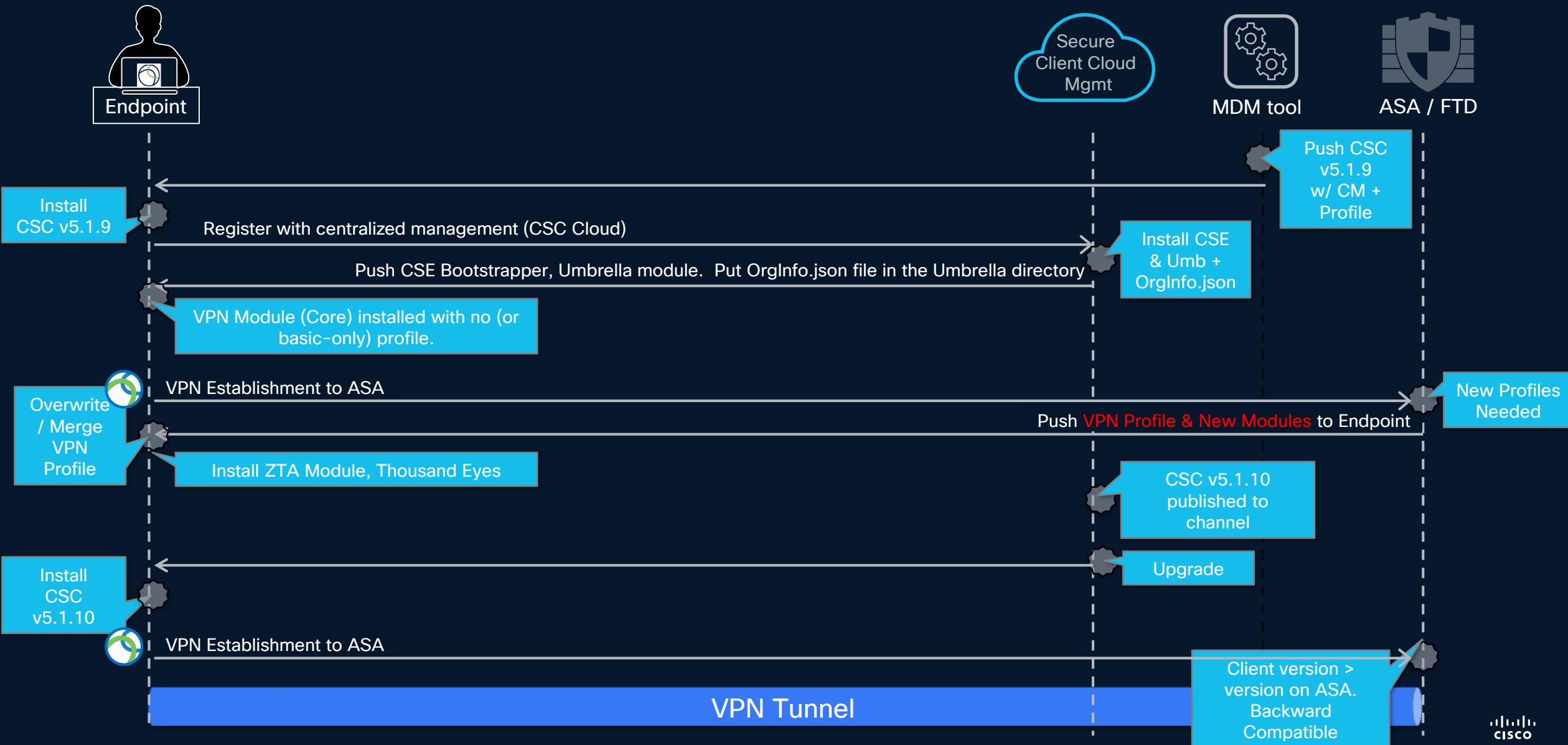
Do not put any config on the headends!!

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



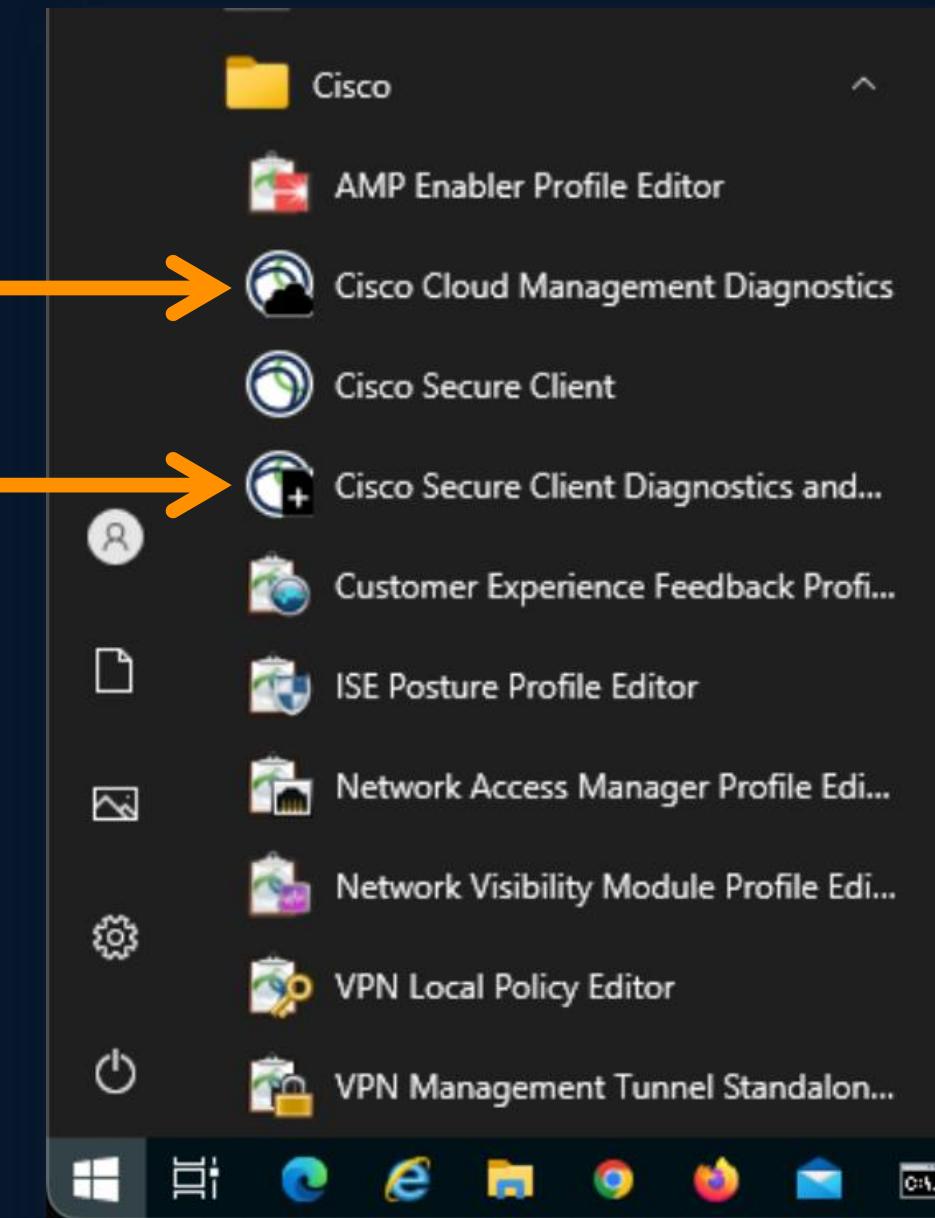
Hybrid (Headend & Cloud)



Secure Client Diagnostics

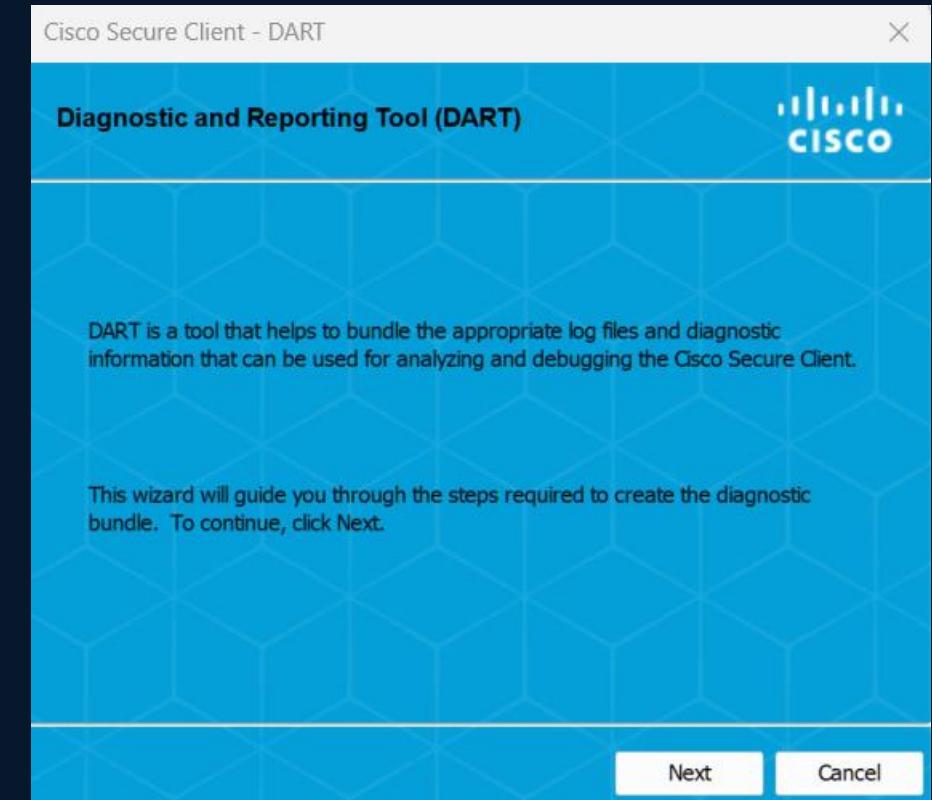
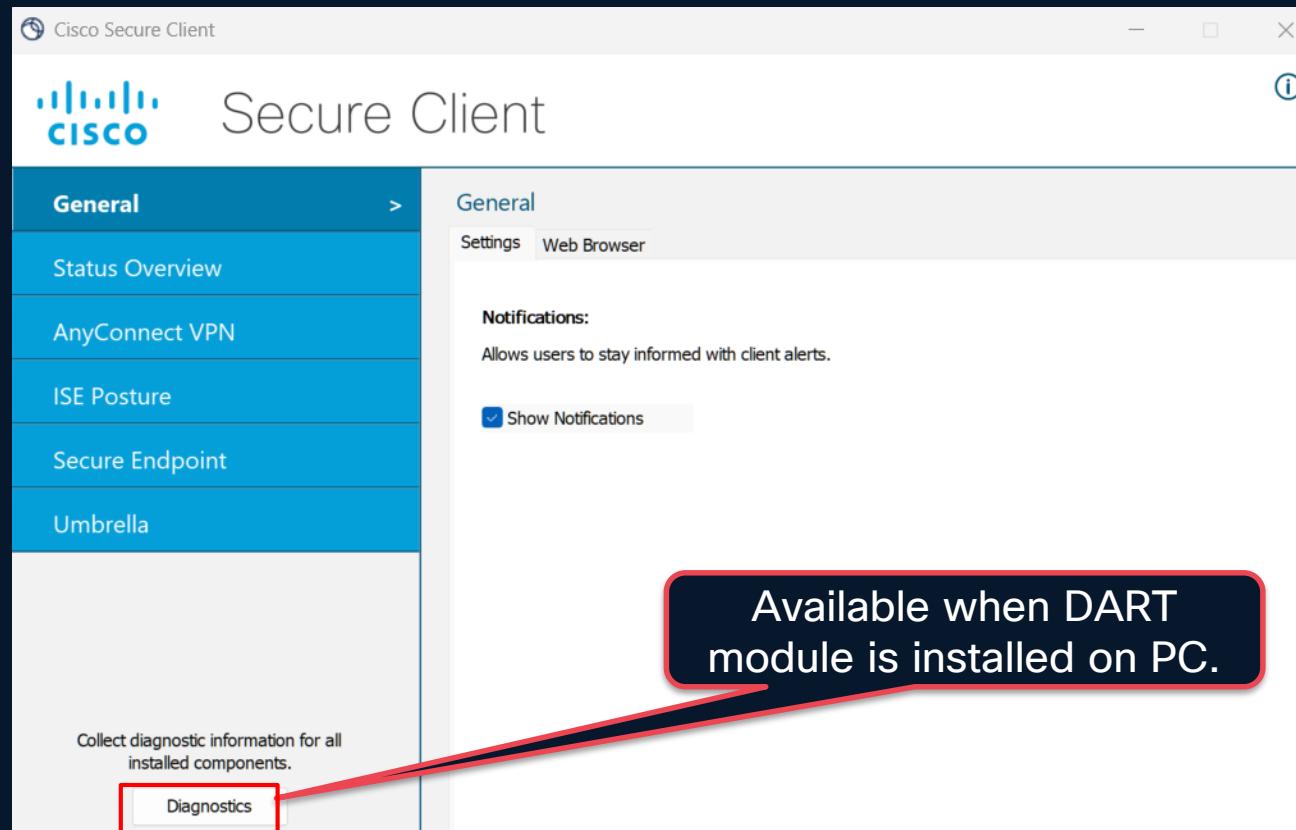
- *“Dart or it Didn’t Happen”*
- DART is still the perfect endpoint troubleshooting bundling tool.
- Only available if you install it.

- What about for troubleshooting Cloud Management only?
 - Cloud Management Diagnostics



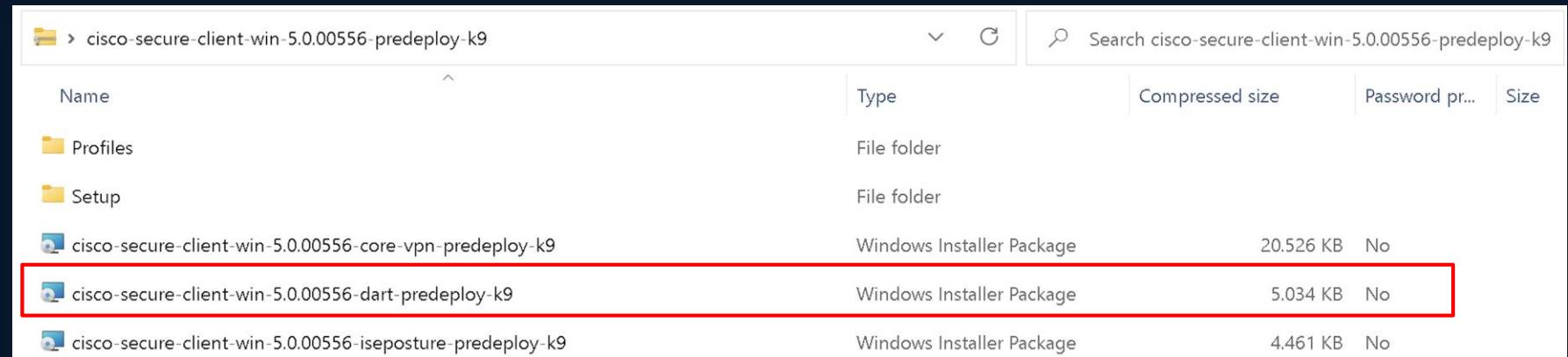
The DART “Bundle”

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



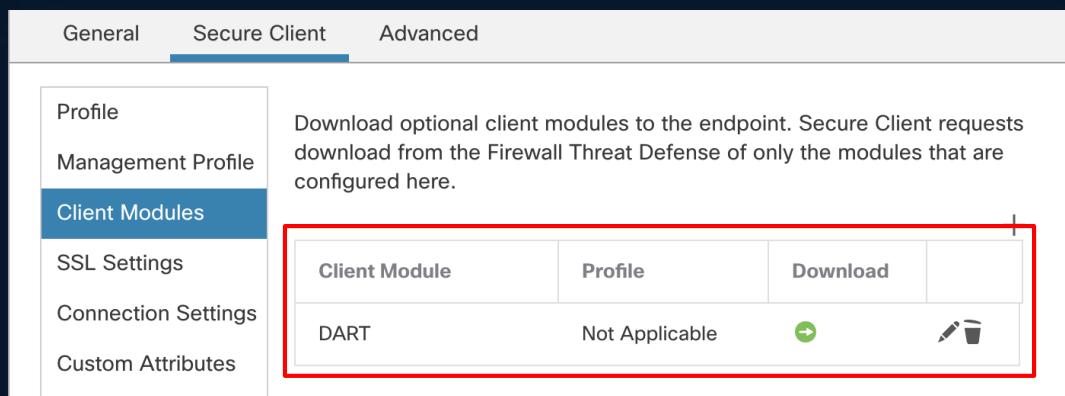
DART Module Installation

- 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:

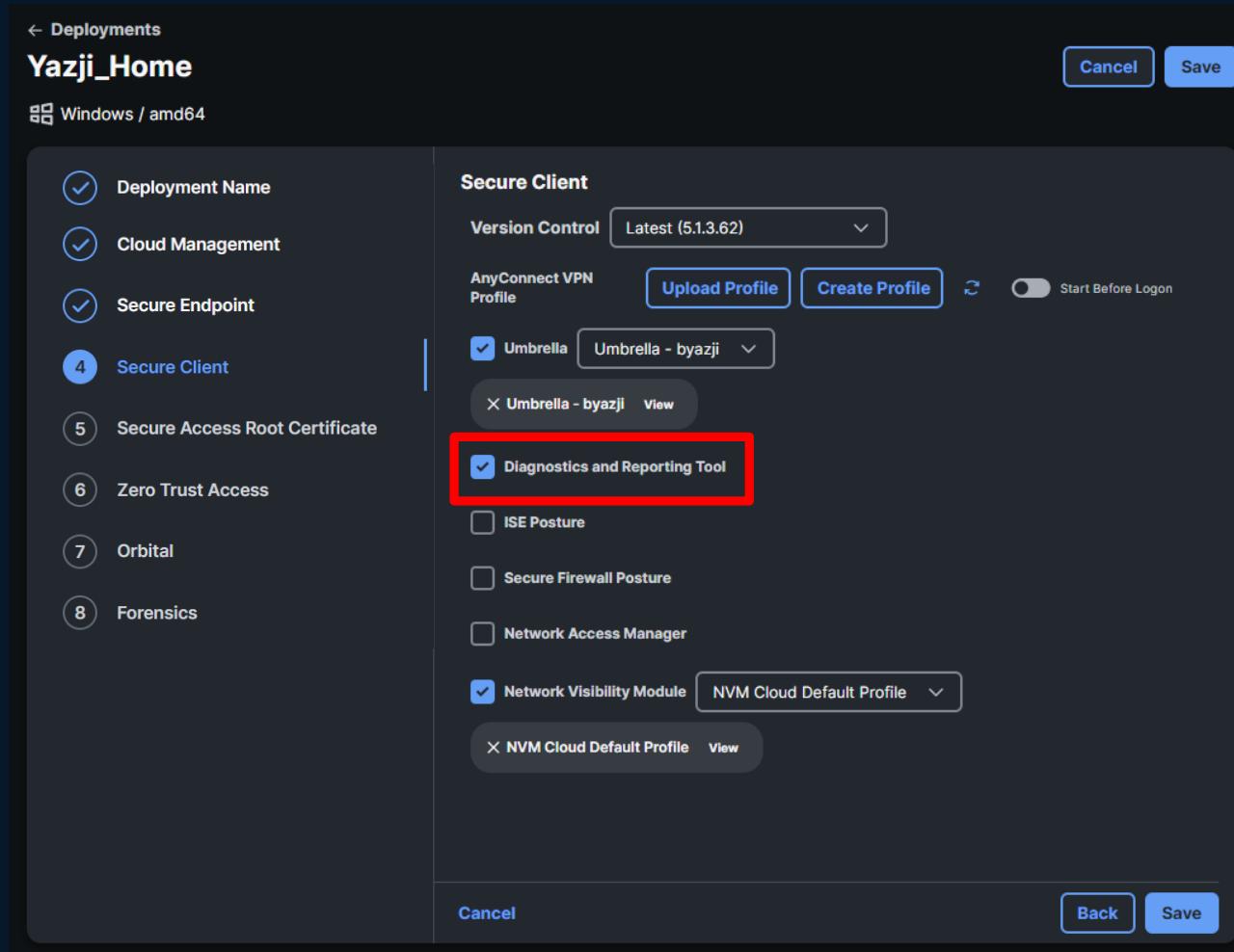


Client Module	Profile	Download	
DART	Not Applicable		

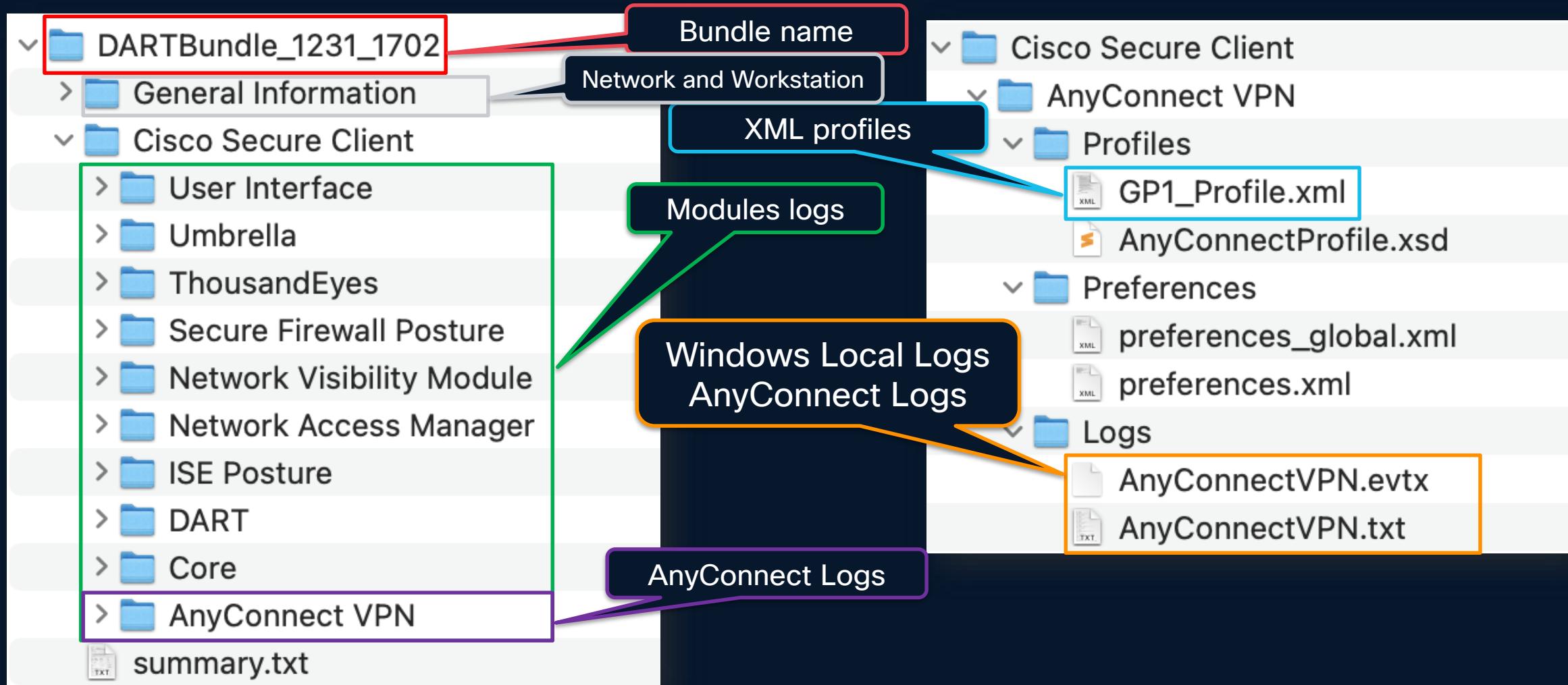
```
ASA# show run group-policy GPA
group-policy GPA attributes
[ ... ]
webvpn
anyconnect keep-installer none
anyconnect modules value dart
```

DART Module Installation

- Enabled in Cloud Management

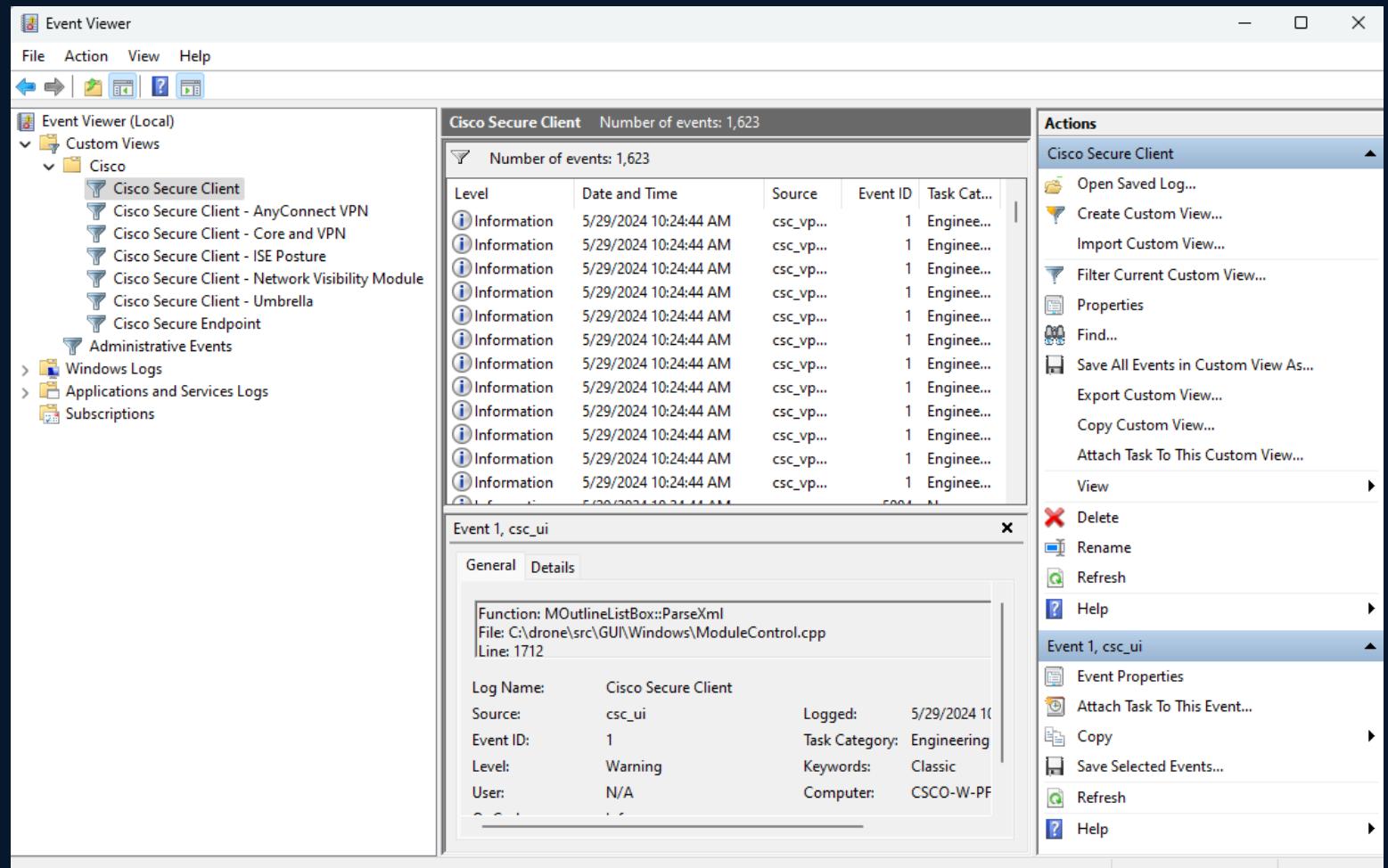


Reviewing DART Bundle Content



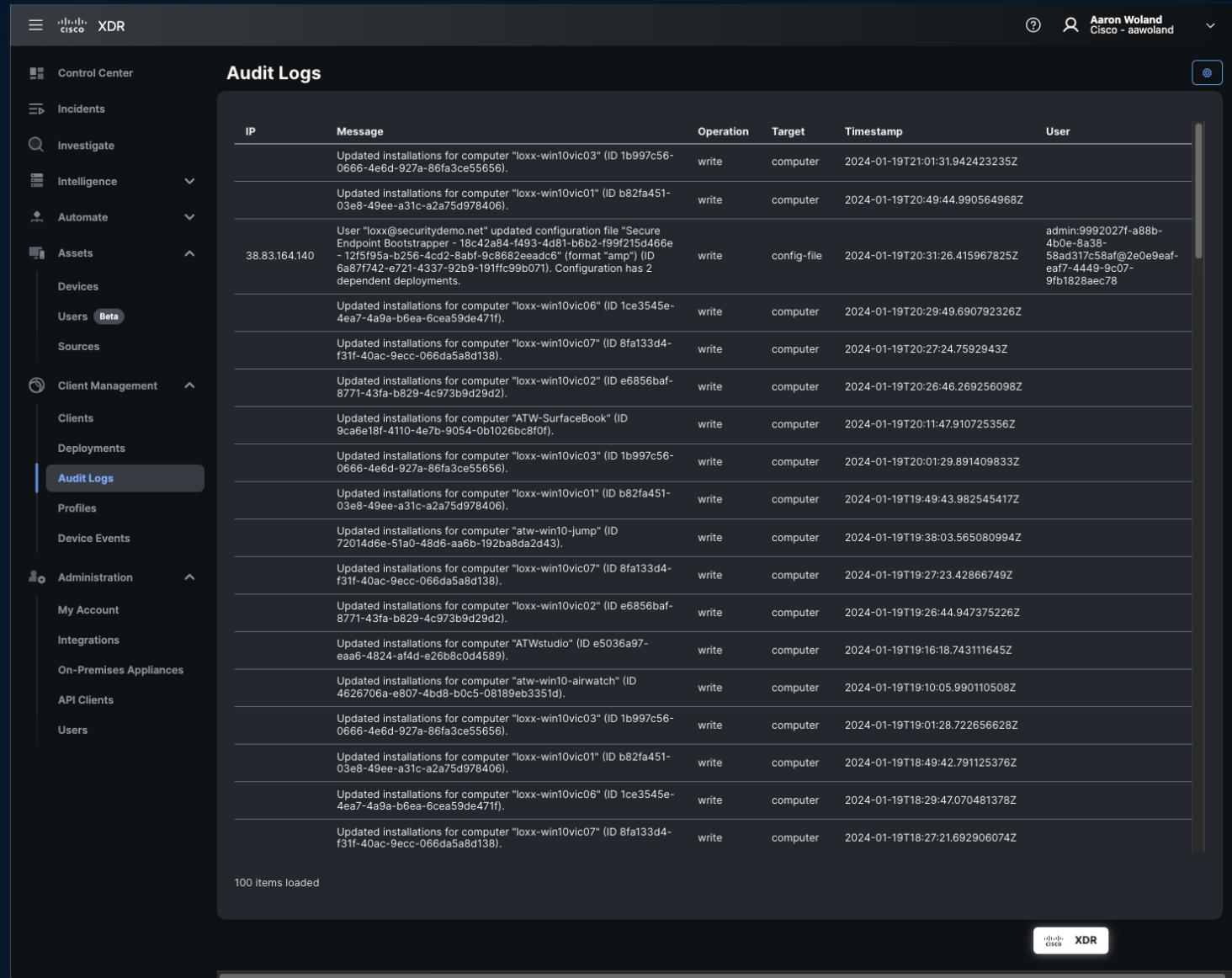
Secure Client Events / Logs

- 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 shows the Cisco XDR interface with the 'Audit Logs' page selected. The left sidebar includes links for Control Center, Incidents, Investigate, Intelligence, Automate, Assets (Devices, Users, Sources), Client Management (Clients, Deployments, Audit Logs, Profiles, Device Events), Administration (My Account, Integrations, On-Premises Appliances, API Clients, Users), and a search bar. The main content area displays a table of audit logs with columns for IP, Message, Operation, Target, Timestamp, and User. The table lists 100 items loaded, showing various log entries for computer installations and configurations. One entry from IP 38.83.164.140 is highlighted, showing a configuration update for a specific computer.

IP	Message	Operation	Target	Timestamp	User
	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	
38.83.164.140	User "loxx@securitydemo.net" updated configuration file "Secure Endpoint Bootstrapper - 18c42a84-f493-4d81-b6b2-f99f15d466e-12f5f95a-b256-4cd2-8abf-9c8682eeadc6" (format "amp") (ID 6a87f742-e721-4337-92b9-191fc99b071). Configuration has 2 dependent deployments.	write	config-file	2024-01-19T20:31:26.415967825Z	admin:9992027f-a88b-4b0e-8a38-58ad317c58a@e20e9eaf-eaf7-4449-9c07-9fb1828aec78
	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 9cae618f-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-af4d-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	2024-01-19T19:01:28.722656628Z	
	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	

Device Event Logging

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

Step 1: Select the Computer

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-b2d3-1aebe05509a2

Record Count: 1

Step 2: (optional) Enter Time Range

Filter by Dates

Clear Filter

Apply Filter

Step 3: Expand the Event

Event Time	Event Type	Timestamp	Value
2024-05-16T14:36:36.25Z	pkg-install	2024-05-16T14:36:36.26Z	184.55.67.86
2024-05-11T19:42:53.18Z	pkg-reconfig	2024-05-11T19:42:53.19Z	184.55.67.86

Customize

data: { 6 items
from: "8.2.4.30130"
package: "AMP/8.4.0.30201"
source: "cm-connector"
tssrv: "2024-05-16T14:36:36.6413800552"
tstxn: "2024-05-16T14:36:36.26Z"
type: "pkg-install"

data: { 6 items
old: { 1 item
0: (... 3 items
package: "ac-core-vpn/5.1.3.62"
source: "cm-connector"
tssrv: "2024-05-11T19:42:53.8731099Z"
tstxn: "2024-05-11T19:42:53.19Z"
type: "pkg-reconfig"

Agenda

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CSC for non-Windows/Mac

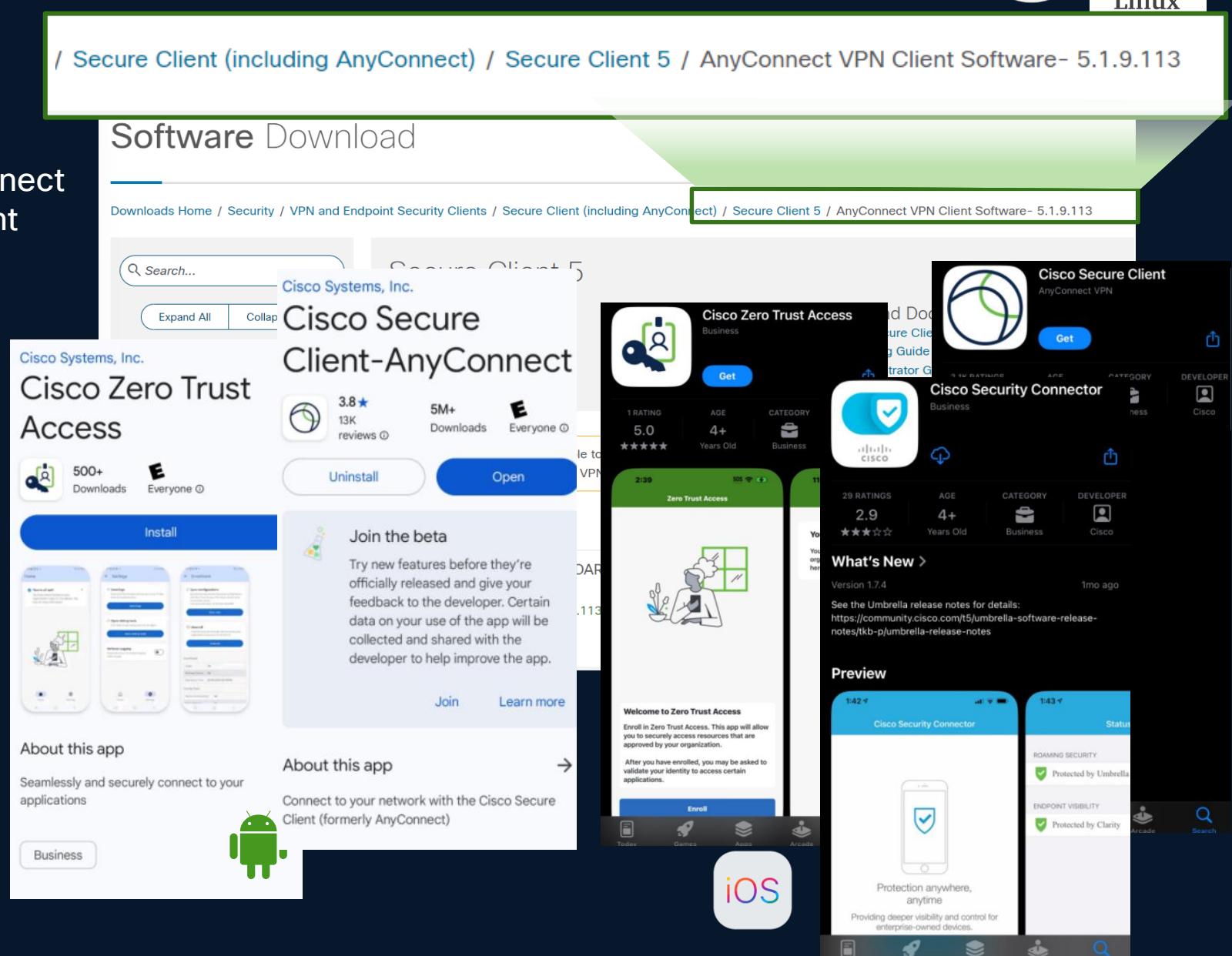


- Windows, Mac and Linux Cisco AnyConnect has been **rebranded** Cisco Secure Client
- Linux and mobile apps - No additional features compared to Secure Client
 - Not cloud managed
 - Not integrated with Secure Endpoint (yet)
 - Purpose built apps

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

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 screenshot shows a software download page for Cisco Secure Client 5. The page includes a search bar, a breadcrumb navigation path, and a main content area with a large 'Cisco Secure Client 5' logo. Below the logo are sections for 'Cisco Zero Trust Access' and 'Cisco Secure Client-AnyConnect'. The 'Cisco Zero Trust Access' section shows an 'Install' button, download statistics (500+ downloads, 13K reviews, 3.8 stars), and a 'Join the beta' button. The 'Cisco Secure Client-AnyConnect' section shows an 'Open' button, download statistics (5M+ downloads, 5.0 stars), and a 'Join' button. To the right, there are screenshots of the app interface and a 'What's New' section. The bottom of the page features a navigation bar with links for 'macOS', 'Windows', 'Android', and 'iOS'.

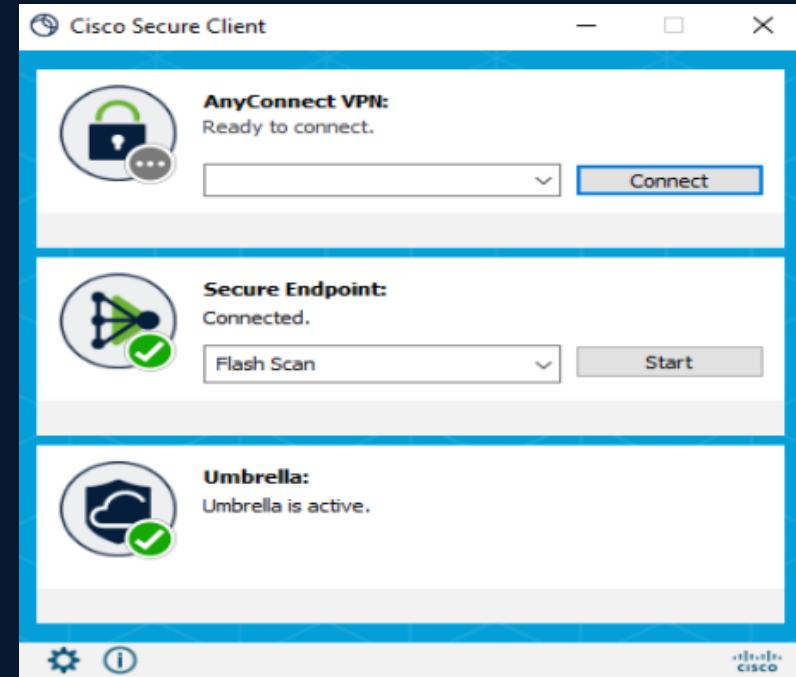
Frequently Asked Questions

- 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?”

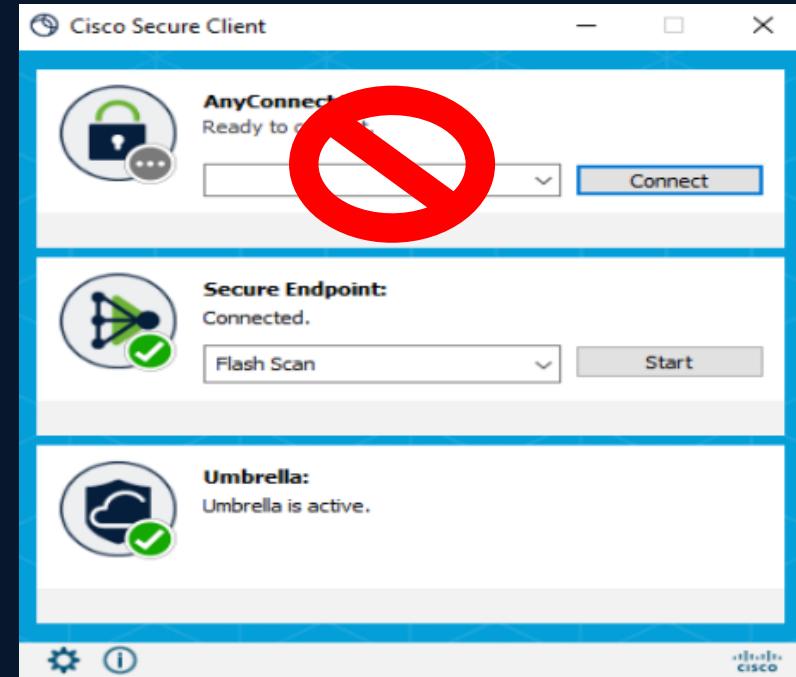


<https://support.umbrella.com/hc/en-us/articles/18211951038740-How-to-hide-the-VPN-module-in-Cisco-Secure-Client-Windows>

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?”

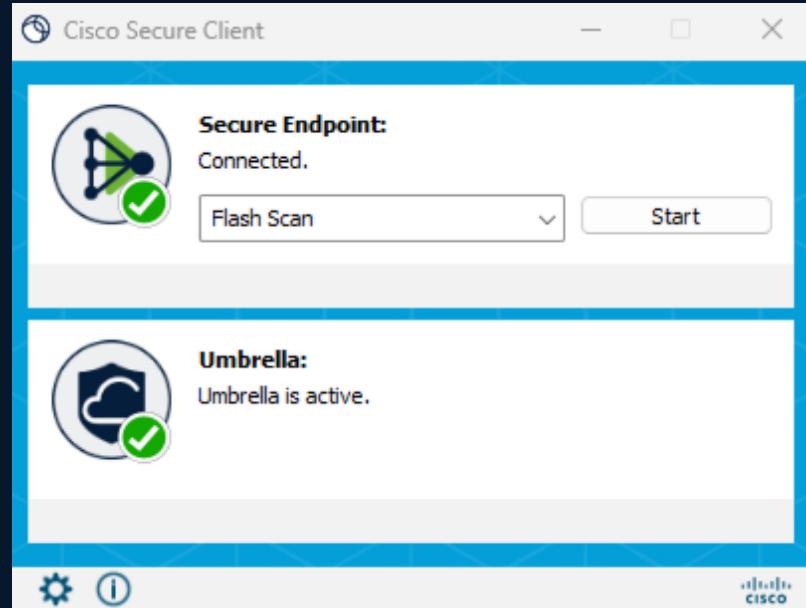


<https://support.umbrella.com/hc/en-us/articles/18211951038740-How-to-hide-the-VPN-module-in-Cisco-Secure-Client-Windows>

Common Ask: Hide that VPN Module

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

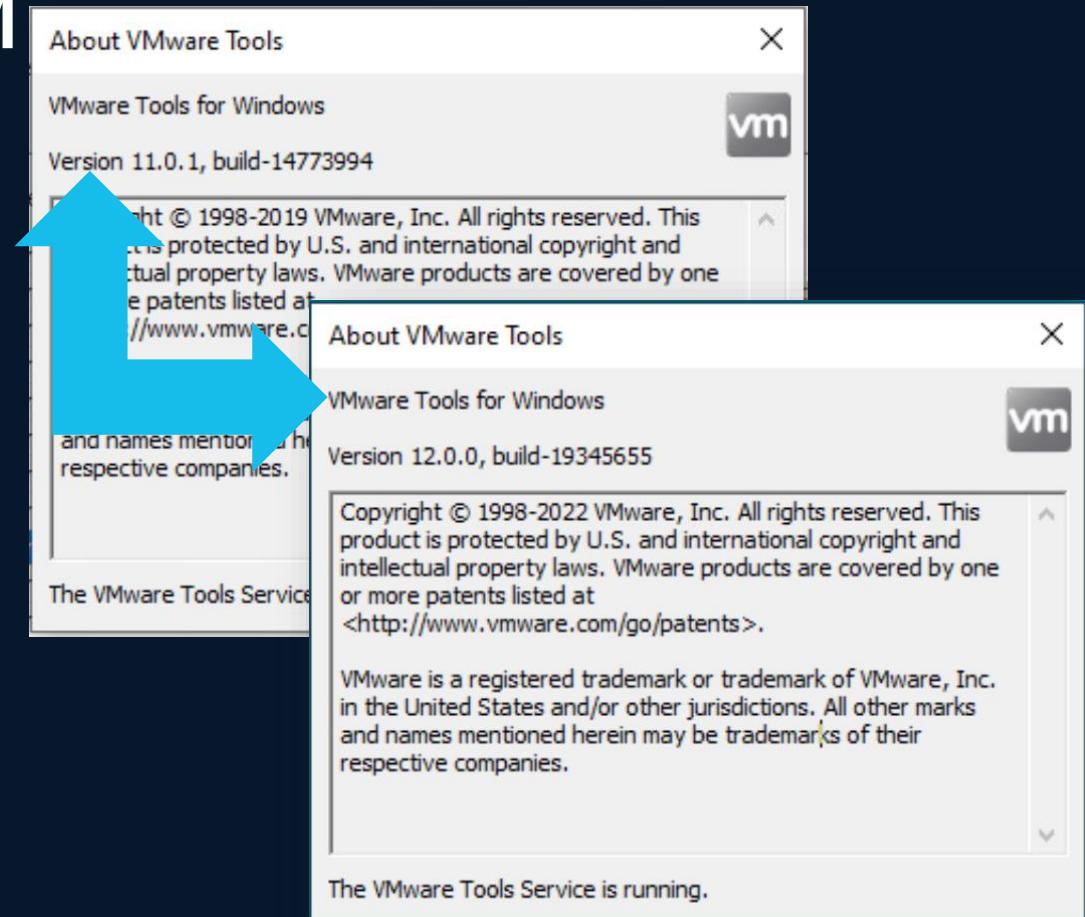
“We do not use AnyConnect, why is it there?”



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

Common Issue: Installing on VM

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

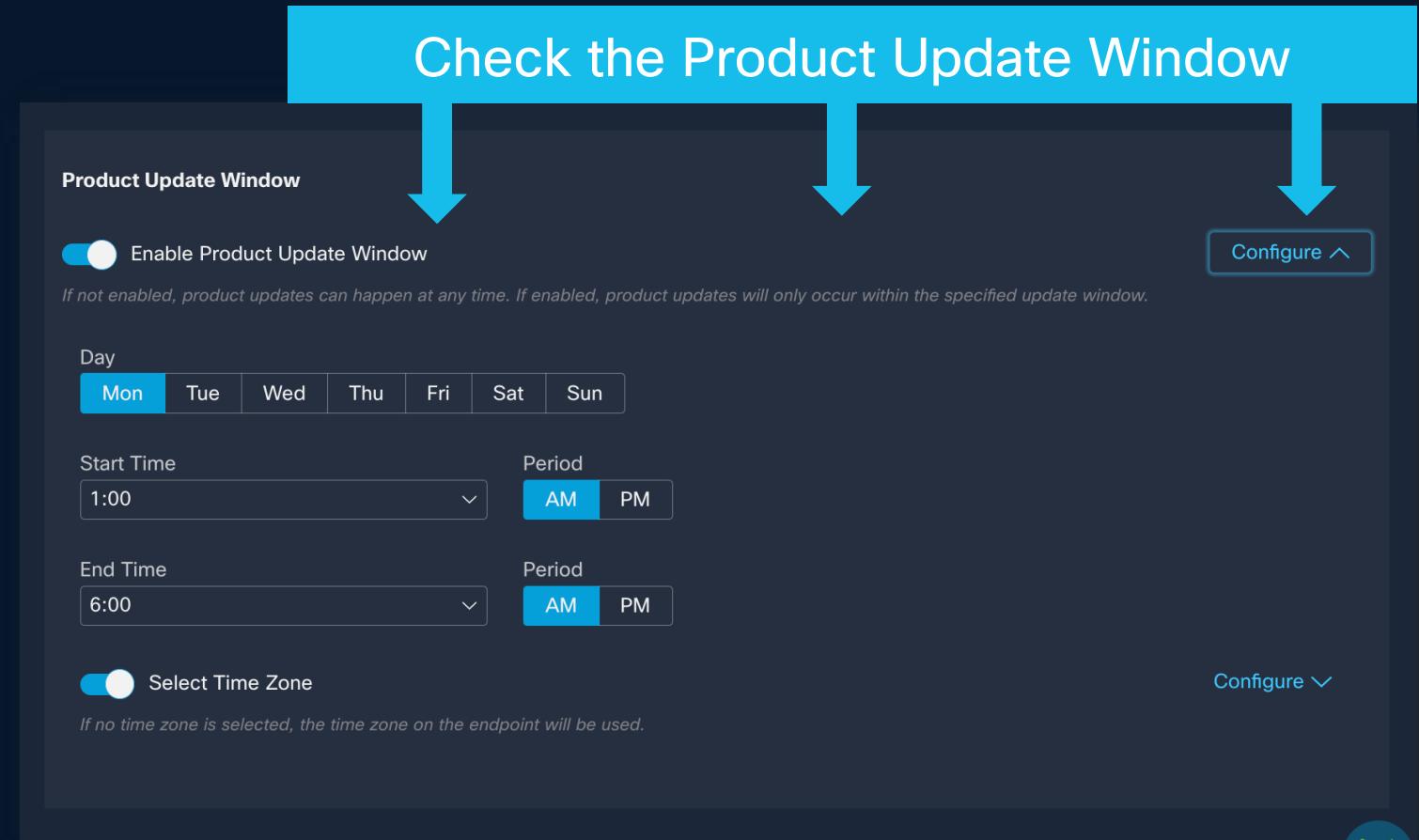


```
C:\Users\x\Downloads>.\csc-deploy-ATW-Deployment.exe"
C0CC/05/A7 A3:A3:C9 Fyne error: window creation error
C0CC/05/A7 A3:A3:C9 Cause: APIUnavailable: WGL: The driver does not appear to support OpenGL
C0CC/05/A7 A3:A3:C9 At: E:/workspace/workspace/maine3a9eCe0/source/vendor/fyne.io/fyne/vC/internal/driver/glfw/driver.go:AC3
```

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”



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_cmidiapi.log:3[:] [BC6B] T: A0FC F: CMIDStoreReader.cpp L: 55 f: cmid::CCMIDStoreReader::GetCMID S: error :: Fetching CMID failed. Returning CMID = []
csc_cmidi.exe.log:A9[:] [706B] T: 5BC F: CMIDUtils.cpp L: A33 f: cmid::GetBinaryRegistryKey S: error :: RegOpenKeyEx failed The operation completed successfully.
csc_cmidi.exe.log:C0[:] [706B] T: 5BC F: AttributeCollectorWin.cpp L: 80C f: cmid::CAttributeCollectorWin::getDeviceID S: error :: Failed to retrieve device details
csc_cmidi.exe.log:CC[:] [706B] T: 5BC F: AttributeCollectorWin.cpp L: 9A f: cmid::CAttributeCollectorWin::GetAttributeList S: error :: Failed to retrieve AC UDID
csc_cmidi.exe.log:C3[:] [706B] T: 5BC F: AttributeCollectorWin.cpp L: A6C f: cmid::CAttributeCollectorWin::getBIOSSerialNumber S: error :: Failed to encode BIOS serial number.
csc_cmidi.exe.log:CB[:] [706B] T: 5BC F: AttributeCollectorWin.cpp L: A07 f: cmid::CAttributeCollectorWin::GetAttributeList S: err or :: Failed to retrieve BIOS Serial Number.
csc_cmidi.exe.log:B0[:] [706B] T: A938 F: CloudRequest.cpp L: CC7 f: cmid::IdentityServiceRequest::Serialize S: error :: Mandatory Hardware data missing.
csc_cmidi.exe.log:BA[:] [706B] T: A938 F: CloudCommunicator.cpp L: AC0 f: cmid::CloudCommunicator::communicationThread S: error :: failed to serialise
csc_cmidi.exe.log:B8[:] [706B] T: 5BC F: CMIDAgent.cpp L: CA7 f: cmid::CCMIDAgent::handleCloudResponse S: error :: CMID agent received Identity Response
csc_cmidi.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/2001/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>
</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

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=262
631	7.890966	10.1.82.157	44.215.189.243	TCP	60	53958 → 443 [ACK] Seq=1 Ack=1 Win=262
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=2
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=0
645	7.965245	10.1.82.157	44.215.189.243	TLSv1.2	105	Change Cipher Spec, Encrypted Handshake
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=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_{EEAE9CF-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

The screenshot shows the 'Remote Uninstall' section of the Cisco Secure Endpoint interface. It includes a note about unsupported deployment methods and instructions for using the feature to remove connectors from endpoints. It also contains notes about proxy support and password requirements for different connectors.

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 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.

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

The screenshot shows a connector detail view in the Cisco Secure Endpoint Management interface. A red arrow points to the 'Uninstall Connector' button in the bottom right corner of the toolbar. A tooltip indicates that Cisco Secure Client does not support remote uninstall.

Group	OrbitalOnly
Policy	ThirdPartyWinPolicy
Internal IP	10.182.154
External IP	128.107.78.71
Last Seen	2023-12-13 11:56:43 UTC
Cisco Secure Client ID	1d279cb4-20e4-417b-a819-73094c60c272
Cisco Security Risk Score	56

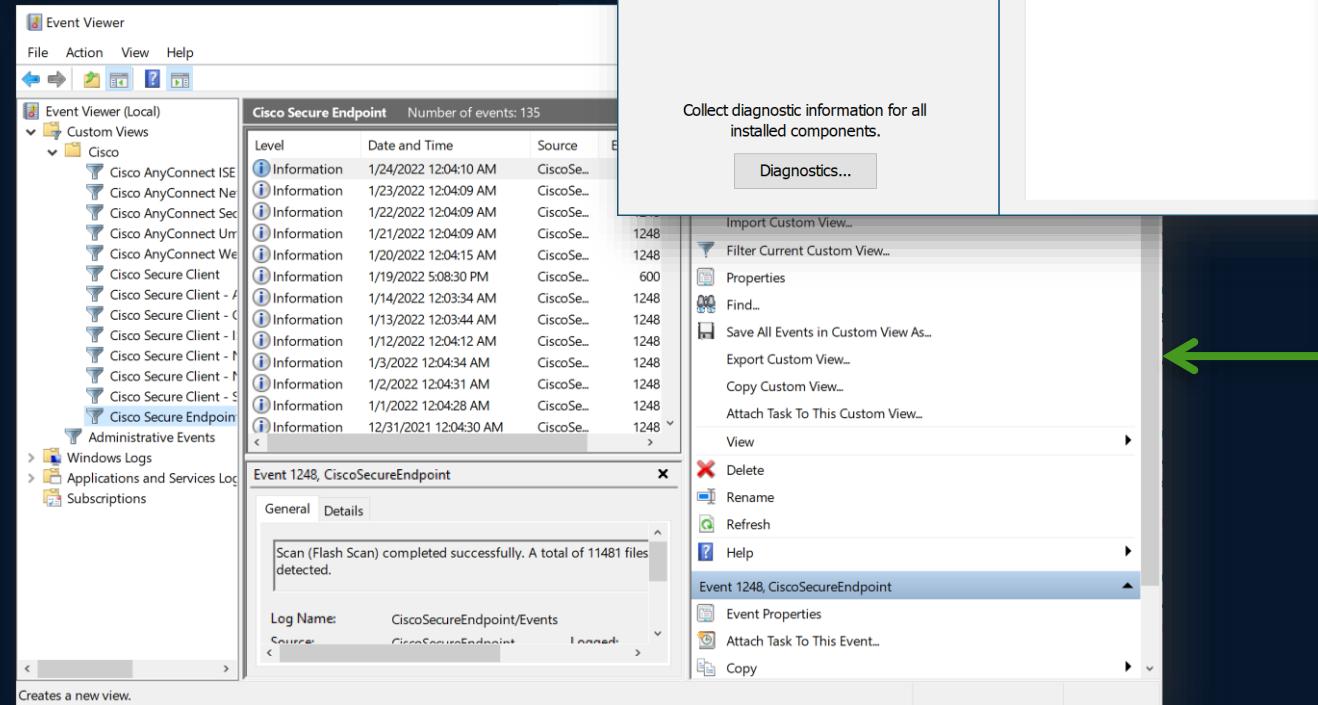
Buttons at the bottom include: Scan..., Diagnose..., Move to Group..., Uninstall Connector, and Delete. An 'Export to CSV' button is also present.

Page navigation: 25 / page, 1 of 1.

Header: Search, Notifications (5), Aaron Woland, Cisco - aawoland.

Secure Endpoint Advanced

- Scan History moved to Advanced Tab



Helpful Links

- 2025 Cisco Live Webex Space: <https://cisco.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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