



# FY22 TAC 지원 New Product/Keyword 소개 및 협업 증대 방안

Customer Experience

강해명, 강도철, 이연, 김일, 최경춘

Jul 29<sup>th</sup> 2022



# Agenda

- Collaboration - 강해명 프로
- FTD - 강도철 프로
- Wifi6 - 이연 프로
- DCNM - 김일 프로
- ACI - 최경춘 프로

Collaboration

# Cisco TAC - Collaboration

Started from Aug 2021, Collaboration products supported by Korea TAC

## Telepresence

VCS/Expressway(CE1100/1200/Virtualization)  
Cisco Meeting Server(CMS1000/2000/Virtualization)  
Endpoint(IPPhone&Webex Device)

## Voice-Communication Manager

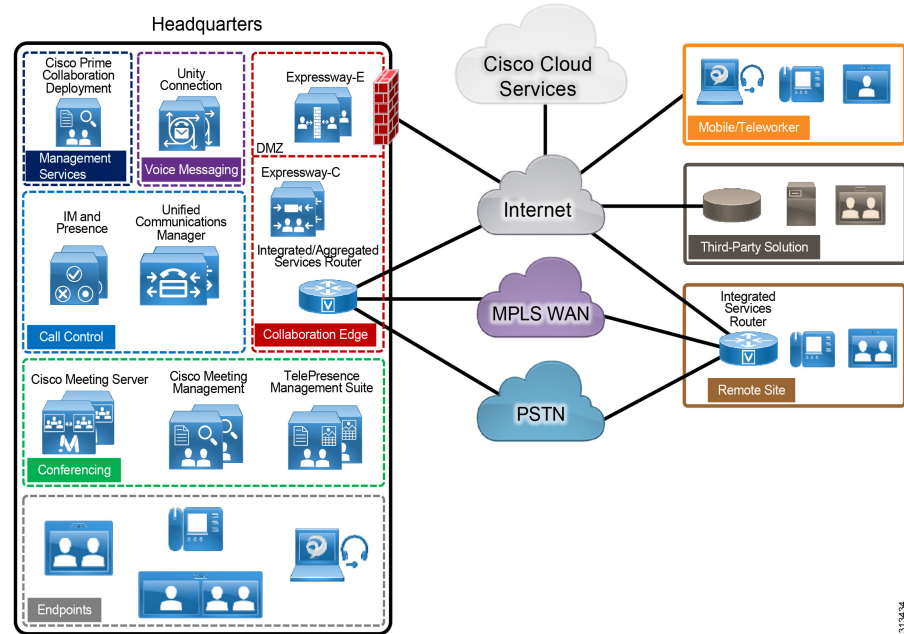
Cisco Unified Communication Manager  
(BE5000/6000/7000/Virtualization)

## Voice-Gateway,Cube

ISR router&VG serie

## Cisco Cloud Service

Webex Control Hub  
Webex Meetings  
Webex Messaging  
Cisco Expressway-C Connector Host Management Connector



31/04/24

# Cisco TAC - Collaboration

|                | Logs for TAC case<br>If the issue is reproducible  | Logs for TAC case<br>If the issue occurred in the past   |
|----------------|--|--|
| VCS/Expressway | <ul style="list-style-type: none"> <li>Reproduce issue after enable Diagnostic and packet capture</li> <li>Collect Diagnostic Logs and Packet capture<br/><a href="https://video.cisco.com/video/5810050375001">https://video.cisco.com/video/5810050375001</a></li> </ul>   | Collect System Full Snapshot<br><a href="https://video.cisco.com/video/6241488926001">https://video.cisco.com/video/6241488926001</a><br>*Recommend to collect full snapshot during off-hours as this job consumes CPU resource  |
| CMS            | <ul style="list-style-type: none"> <li>Reproduce issue after enable appropriate logging and packet capture</li> <li>Generate call diagnostic logs(Webadmin-Configuration-API-Cospace-Diagnostic)</li> <li>Collect logbundle.tar.gz from SFTP</li> <li>Collect appropriate logs from other involved products<br/><a href="https://video.cisco.com/video/5817647402001">https://video.cisco.com/video/5817647402001</a><br/><a href="https://video.cisco.com/video/5810051601001">https://video.cisco.com/video/5810051601001</a></li> </ul> | Download following logs from SFTP <ul style="list-style-type: none"> <li>Log Bundle(Logbundle.tar.gz)</li> <li>Diagnostic(Any call diagnostic logs generated)</li> <li>Crash Cump(if a creash occurs)<br/><a href="https://video.cisco.com/video/5810051601001">https://video.cisco.com/video/5810051601001</a></li> </ul> |
| Video Endpoint | <ul style="list-style-type: none"> <li>Reproduce issue after enable packet capture</li> <li>Download Full Call history logs include packet dump captured<br/><a href="https://video.cisco.com/video/5810051574001">https://video.cisco.com/video/5810051574001</a></li> </ul>  | Download Full Call history logs<br><a href="https://video.cisco.com/video/5810051574001">https://video.cisco.com/video/5810051574001</a>   |

# Cisco TAC - Collaboration

|                      | Logs for TAC case<br>If the issue is reproducible   | Logs for TAC case<br>If the issue occurred in the past  |
|----------------------|---|---|
| CUCM(Call Manager)   | <ul style="list-style-type: none"> <li>Reproduce issue after enable packet capture</li> <li>Collect Trace data and Packet dump using RTMT</li> </ul> <a href="https://video.cisco.com/video/6028728075001">https://video.cisco.com/video/6028728075001</a><br><a href="https://www.cisco.com/c/en/us/support/docs/unified-communications/unified-communications-manager-callmanager/200787-How-to-Collect-Traces-for-CUCM-9-x-10-x.html">https://www.cisco.com/c/en/us/support/docs/unified-communications/unified-communications-manager-callmanager/200787-How-to-Collect-Traces-for-CUCM-9-x-10-x.html</a> | <ul style="list-style-type: none"> <li>Collect Trace data using RTMT</li> <li>Collect Crash dump if the service crashed</li> </ul> <a href="https://video.cisco.com/video/6039539294001">https://video.cisco.com/video/6039539294001</a><br><a href="https://community.cisco.com/t5/collaboration-knowledge-base/troubleshooting-core-dumps/ta-p/3119142">https://community.cisco.com/t5/collaboration-knowledge-base/troubleshooting-core-dumps/ta-p/3119142</a> |
| VG/Cube              | <ul style="list-style-type: none"> <li>Reproduce issue after enable Debug and packet capture</li> <li>Collect Debug logs and packet dump</li> <li>Collect Show tech-support voice</li> </ul> <a href="https://video.cisco.com/video/6070396627001">https://video.cisco.com/video/6070396627001</a><br><a href="https://community.cisco.com/t5/collaboration-knowledge-base/how-to-properly-and-safely-collect-debug-on-an-ios-router/ta-p/3114693">https://community.cisco.com/t5/collaboration-knowledge-base/how-to-properly-and-safely-collect-debug-on-an-ios-router/ta-p/3114693</a>                     | Show tech-support voice   |
| Webex Cloude Service | Reproduce the issue and collect HAR and fiddler logs<br>Search Keyword in webex help center<br><a href="https://help.webex.com/">https://help.webex.com/</a>  | Collect Webex client log<br>Search Keyword in webex help center<br><a href="https://help.webex.com/">https://help.webex.com/</a>  |


# Cisco TAC - Collaboration

Useful Tool

[Collaboration Solutions Analyzer](#)

[Collaboration Solutions Analyzer User Documentation](#)

### Log visualisation

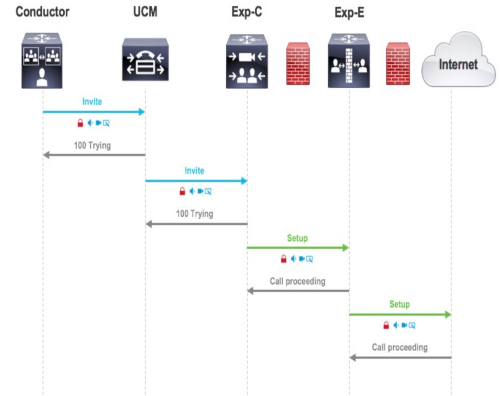


Collaboration Solutions Analyzer

Calls   MRA logins   HTTP sessions   SIP registrations   RTP streams   TCP/UDP streams

| From                      | To                         | Call ID  | Call Initiated (UTC) | Call connects (UTC) | Duration (sec) | Disconnect reason         |
|---------------------------|----------------------------|--|----------------------|---------------------|----------------|---------------------------|
| 5014@colmpub.ciscotac.net | kivancoi@meet.ciscotac.net | c8e0eb15-0df10003-0eb9f1ba-51acf1e3@192.168.1.31 | 2016-05-31 19:21:12  | 2016-05-31 05-31    | 22.55          | Far end disconnected call |
| ciscotac.net              | 327M2ZnEoS7UNW/S1F9ZbZFPQ  | d96f7d80-74d1e430-ca31a-3200a8c0@192.168.0.50    | 2016-05-31 19:21:20  | 2016-05-31 05-31    | 13.43          | 16 - Normal Call Clearing |


### Data correlation



Conductor   UCM   Exp-C   Exp-E   Internet

Invite  
100 Trying  
Setup  
Call proceeding  
Setup  
Call proceeding

### Automatic issue detection



Endpoint   Exp-C   Exp-E   Internet

192.168.0.20   173.38.154.85

**One way or no way media due to missing media streams**

**Description**

No incoming audio detected for call from visidimak@ciscotac.net to kivancoi@ciscotac.net with call-id 19d77a79-8eaa-40b2-a8e3-992e1dcb1ee3.

**Further information**

Audio RTP packets are expected on: 173.38.154.85:56368.

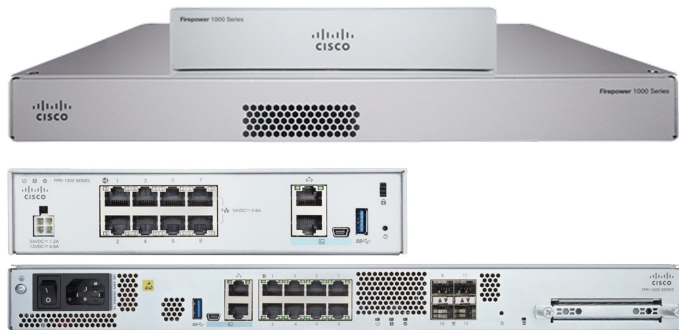
**Action**

Verify that the remote device (192.168.0.20) is sending the RTP packets and that these are not blocked by a firewall.

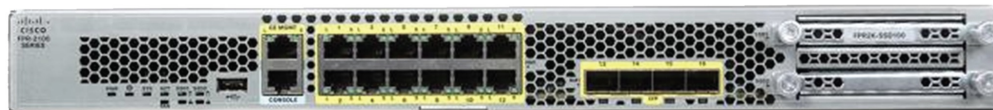
Security - FTD

# Cisco TAC Security - FTD

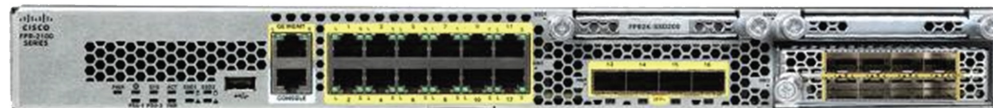
Cisco Firepower 1010/1100 Model



Cisco Firepower 2110/2120 Model



Cisco Firepower 2130/2140 Model



# Cisco TAC Security – Firepower/ASA/VPN feature

## Firepower/ASA/ VPN feature

- Firepower 플랫폼에서 장애 이슈 분석 요청 시 **미리 TS file**을 이슈 발생 시 실시간으로 반출해 놓으시면 더 효율적으로 케이스를 진행할 수 있음, Firepower 엔드 유저 측은 보통 은행, 금융 등 보안 등급이 매우 높기 때문에 케이스 오픈하고 나서 TAC에서 다시 TS file을 요청하게 되면 파트너사에서 또다시 TS file 수집 승인을 엔드 유저 측에서 받아와야 하기에 시간이 많이 소요됨.

1/ TS file generation procedures:

<https://www.cisco.com/c/en/us/support/docs/security/sourcefire-defense-center/117663-technote-SourceFire-00.html>

- ASA/FTD/Router 플랫폼의 **VPN 이슈**에서 보통 IPsec VPN session interruption 이슈 발생되고(one-time/transient), restore(회선 변경/장비 리부팅 등등) 한 후 케이스 오픈 시, **Debug outputs**들이 제대로 수집 안 되었을 경우 많이는 RCA 정밀 분석이 어려움. 일반 IPsec VPN session interruption 이슈가 발생하게 되면 원인 분석하는데 Debug가 제일 효율적인 방법이기도 함.

1/ Collect Anyconnect DART

<https://community.cisco.com/t5/security-documents/how-to-collect-the-dart-bundle-for-anyconnect/ta-p/3156025>

- FMC physical appliance는 로컬 코리아 팩 에서 fully 지원하나 FMC Virtual Appliance는 코리아 팩에서 지원하지 않기 때문에 **vFMC 연동 이슈**가 발생하게 되면 CIN team 통하여 직접 **글로벌 팀으로 케이스 오픈 요청**하시면 됨.

# Cisco TAC Security – show commands

## ASA/FTD Fireware Platform:

### IPsec VPN (IKEv1):

```
(config)#logging monitor debugging
#terminal monitor
- show crypto isakmp sa [Collect it during problem occur]
- show crypto ipsec sa [Collect this outputs 5 times every 10sec during problem occurred]
- show crypto isakmp stats [Collect this outputs 5 times every 10sec during problem occurred]
- debug crypto condition peer ipv4 x.x.x.x
- debug crypto isakmp 255
- debug crypto ipsec 255
```

### IPsec VPN (IKEv2):

```
(config)#logging monitor debugging
#terminal monitor
- show crypto isakmp sa [Collect it during problem occur]
- show crypto isakmp sa detail [Collect it during problem occur]
- show crypto ipsec sa [Collect this outputs 3 times every 10sec during problem occurred]
- show crypto ikev2 sa [Collect this outputs 3 times every 10sec during problem occurred]
- debug crypto ikev2 protocol 127
- debug crypto ikev2 platform 127
- debug crypto ca
```

### Anyconnect VPN:

#### please carry out the following actions step by step,

- Enable the following on the ASA:
- terminal monitor
- logging monitor debugging
- debug webvpn 255
- Connect from an endpoint & Reproduce issue
- Collect the ASA debug output
- Collect DART
- Disable the above commands:
- terminal no monitor
- no logging monitor
- undebug webvpn 255

Collect Anyconnect DART

<https://community.cisco.com/t5/security-documents/how-to-collect-the-dart-bundle-for-anyconnect-ta-p/3156025>

## Router Platform:

### IPsec VPN (IKEv1):

```
- show crypto session [Collect it during problem occur]
- show crypto engine connection active [Collect it during problem occur]
- show crypto isakmp sa [Collect it during problem occur]
- show crypto isakmp stats [Collect it during problem occur]
- show crypto ipsec sa [Collect this outputs 3 times every 10sec during problem occurred]
- debug crypto condition peer ipv4 x.x.x.x
- debug crypto isakmp 255
- debug crypto ipsec 255
```

### IPsec VPN (IKEv2):

```
- show crypto session [Collect it during problem occur]
- show crypto engine connection active [Collect it during problem occur]
- show crypto isakmp sa [Collect it during problem occur]
- show crypto isakmp sa detail [Collect it during problem occur]
- show crypto ipsec sa [Collect this outputs 3 times every 10sec during problem occurred]
- show crypto ikev2 sa [Collect this outputs 3 times every 10sec during problem occurred]
- debug crypto ikev2 protocol 127
- debug crypto ikev2 platform 127
- debug crypto ca
```

## Firepower/FTD Platform:

TS file generation procedures:

<https://www.cisco.com/c/en/us/support/docs/security/sourcefire-defense-center/117663-technote-SourceFire-00.html>

Wireless – Wifi6

# Cisco KR TAC – WIFI6 supported products

| Supported keyword: Access Points                            | Supported keyword: Wireless LAN Controller  |
|---|---|
| 9105AX Serials Access Point                                 | Catalyst 9800 Wireless LAN Controller 10 Gbps ( <b>C9800-L</b> )                  |
| 9115AX Serials Access Point                                 | Catalyst 9800 Wireless LAN Controller 40 Gbps ( <b>C9800-40</b> )                 |
| 9117AX Serials Access Point                                 | Catalyst 9800 Wireless LAN Controller 80 Gbps ( <b>C9800-80</b> )                 |
| 9120AX Serials Access Point                                 | Catalyst 9800 Wireless LAN Controller for On-Premise Cloud ( <b>C9800-CL</b> )    |
| 9124AX Serials Access Point                                 | Catalyst 9800 Wireless LAN Controller on Public Cloud ( <b>C9800-CL</b> )         |
| 9130AX Serials Access Point                                 | Catalyst 9800 Wireless LAN Controller on Switch ( <b>C9800-SW</b> ) - Collab Only |
| 91XX Series Access Point (with Embeded Wireless Controller) |   |

# Cisco TAC Wireless

## Integrated Cisco RF ASIC

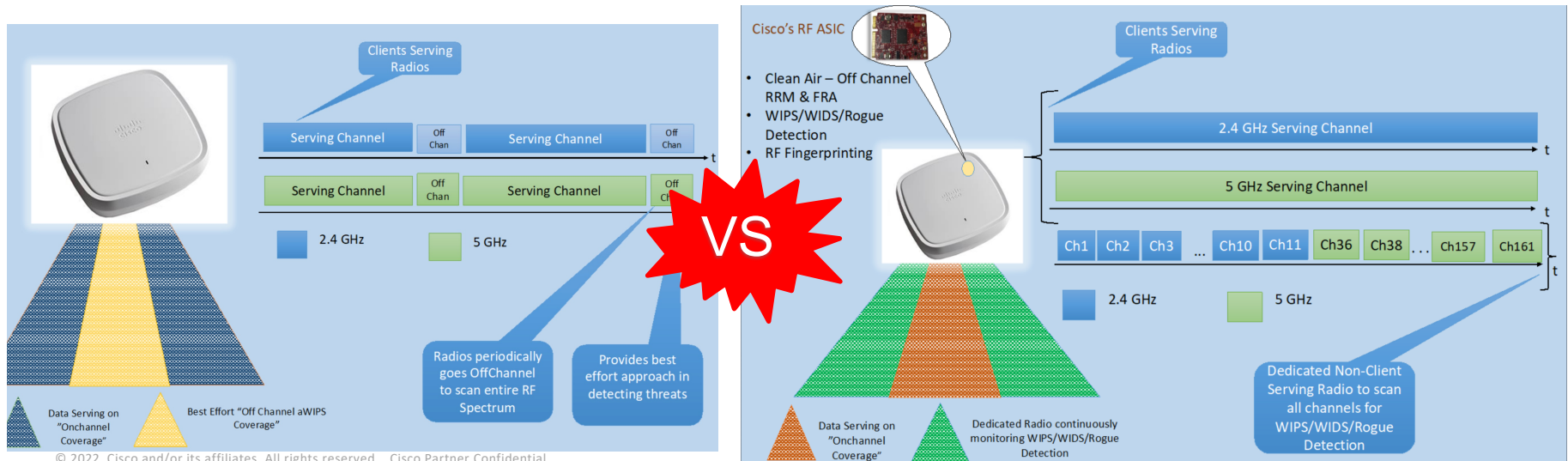
### Catalyst 9120AX and 9130AX have integrated RF ASIC



AP monitors 802.11 channels for rogue devices, noise, interference.

APs perform Off-channel scan (80ms per 2/3sec), during off-channel scan APs **do not** service clients. (Not friendly to voice traffic.)

**But with RF ASIC, client Servicing Radios can always “online”, off-channel scan will be done by RF ASIC.**



# Cisco TAC Wireless

## AP Join Issue

On WLC (**\*9K only**):

### Basic Log:

- **show tech-support wireless**
- show wireless states ap join summary
- show wireless states ap discovery
- show logging profile wireless filter mac <AP ethernet MAC address> to-file <file-name.txt>
- more bootflash: <file-name.txt>
- copy bootflash:<file-name.txt> tftp:<TFTP-server-IPaddress>
- WLC uplink packet capture

On AP:

### Basic Log:

- **show tech-support**
- console log of at least one cycle of AP boot up till join WLC
- AP uplink packet capture

# Cisco TAC Wireless

## Client Connection Issue

On WLC (\*9K only) :

### Basic Log:

- **show tech-support wireless**
- show logging profile wireless start last 2 days trace-on-failure (\* some low version branch like 16.x does not have the CLI.)
- clear platform condition all
- debug wireless mac <client-MAC-address> (\*recreate issue after enabling debug.)
- no debug wireless mac <client-MAC-address> (\*Use this command to disable debug after collecting done.)
- more bootflash:copy-file-name-and-attach-here (\*After collecting, WLC will save the log in bootflash with file name in format 'ra\_trace\_MAC\_aaaabbbbcccc\_HHMMSS.XXX\_timezone\_DayWeek\_Month\_Day\_year.log')
- over-the-air packet capture:  
<https://www.cisco.com/c/en/us/support/docs/wireless-mobility/80211/200527-Fundamentals-of-802-11-Wireless-Sniffing.html#anc36>

On AP:

### Basic Log:

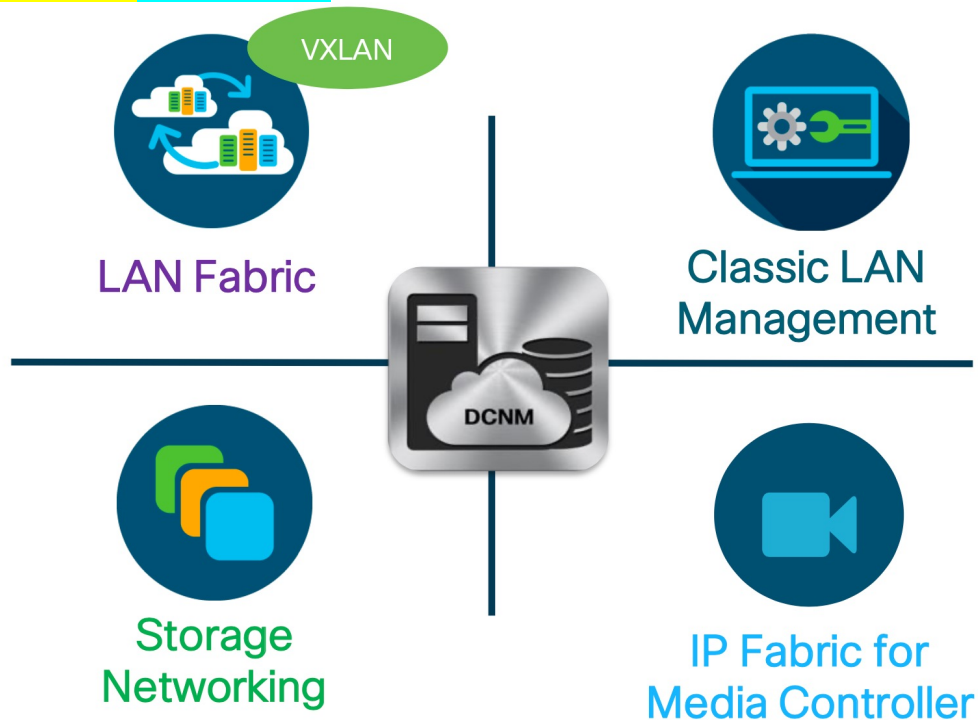
- **show tech-support**
- **show log**

Nexus- DCNM

# Cisco TAC Nexus – DCNM

## Data Center Network Manager (DCNM)

DCNM 10.x > DCNM 11.x > NDFC 12.x



# Cisco TAC Nexus – DCNM



Automation



Visibility



Consistency

## Inventory & Health



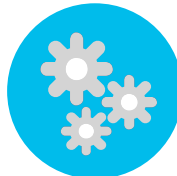
- Discovery & Fabric Builder
- CPU/Mem/Temp
- Traffic
- Health-Monitor
- Link View
- VM-connectivity

## Configuration



- Image Management
- Backup / Restore
- Templates

## Automation



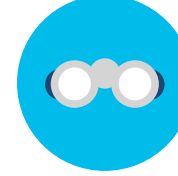
- VXLAN Fabric Builder
- Classic Underlay (POAP)
- Overlay (VRF/VNI)
- REST APIs

## Trend Analysis and VM Analytics



- VM Net Trace
- Monitor Graphs
- Interface Monitoring

## Host/Endpoint Monitoring



- VM Lifecycle
- Network Location
- Fabric-Wide View

## Visualization and Troubleshooting



- Integrated Topology
- Search
- VXLAN-OAM

# Cisco TAC Nexus – DCNM

## • Nexus

- SSH to DCNM and Login as sysadmin or root (su root)
- Appmgr tech-support
- Appmgr backup / Appmgr -help
- =====
- SSH to ND with rescue-user (NDFC)
- Acs techsupport collect -s cisco-ndfc (system) / acs -help
  
- DCNM 11 Demos
- <https://blogs.cisco.com/datacenter/cisco-dcnm-demos-comprehensive-management-for-the-data-center>
  
- DCNM11 NIR & NIA Demo
- <https://video.cisco.com/video/6134793005001>
- <https://video.cisco.com/video/6134790957001>
  
- Whats New in Cisco NDFC Release 12.0.1a
- <https://video.cisco.com/video/6277640922001>
- Whats New in Cisco NDFC Release 12.1.1e (Latest version)
- <https://www.cisco.com/c/en/us/td/docs/dcn/ndfc/1211/videos/whats-new-in-ndfc-1211e.html>

# Cisco TAC Nexus – DCNM

## • Nexus

Nexus Dashboard Release: 2.2.1

Cluster Form Factor:

- Physical
- Virtual (vCenter/ESXi)
- Virtual (KVM)
- Cloud (AWS/Azure)
- Linux (RHEL)

Nexus Dashboard Services:

- Insights
- Orchestrator
- Data Broker
- Fabric Controller

Total switches:  1-50  51-100  101-500

**Minimum cluster size:** 3 OVA-Data master nodes and 3 OVA-App worker nodes

- Each OVA-Data node requires 32 vCPU, 128GB memory, 3TB SSD/NVMe.
- Each OVA-App node requires 16 vCPU, 64GB memory, 550GB HDD or SSD/NVMe.
- For additional information about deploying virtual cluster, see [Cisco Nexus Dashboard Deployment Guide](#)

The following maximum scale is supported:

- NDI: Supports up to 4 ACI or NDFC (DCNM) sites
- NDI: Supports up to 50 leaf switches and 2500 flows

## Nexus Dashboard Capacity Planning

<https://www.cisco.com/c/dam/en/us/td/docs/dcn/tols/nd-sizing/index.html>

ACI tech-support collection  
via Intersight Dashboard by TAC

- ACI Fabric controller/switch 외부 망 접속 가능 해야 함

4.2 버전부터 intersight 연결 지원 됨

- Nexus Insight Cloud Connector App 설치

<https://dcappcenter.cisco.com/nexus-insights-cloud-connector.html>

- Intersight dashboard site 접속

<https://www.intersight.com/an/dashboard>

- SR case 필요 함



# INTERSIGHT

## Cisco ID

If you do not have a Cisco ID, create one [here](#)

Sign In with Cisco ID

## Single Sign-On (SSO) ⓘ

Email

Sign In with SSO

Don't have an Intersight Account? [Create an account](#)

Learn more about Cisco Intersight at [Help Center](#)



Claim a New Target

OPERATE ^

Networking

CONFIGURE ^

Profiles

Policies

Pools

ADMIN ^

Targets

\* All Targets ⚙ +



Add Filter



0 items found

10

per page



0 of 0



Connection ✕

Top Targe... ✕

NO DATA AVAILABLE

NO TYPES



Name

Status

Type

Claimed Time

Claimed By

NO ITEMS AVAILABLE



0 of 0



- All
- Cloud
- Compute / Fabric
- Hyperconverged
- Network
- Orchestrator
- Platform Services

Cisco UCS Director

PowerShell Endpoint

HTTP Endpoint



Ansible Endpoint



SSH Endpoint



### Hyperconverged



Cisco HyperFlex Cluster



### Network



Cisco APIC



Cisco Cloud APIC



Cisco DCNM





Code and select the appropriate Resource Groups.

### General

Device ID \*



Claim Code \*



### Resource Groups

**i** Select the Resource Groups if required. However, this selection is not mandatory as one or more Resource Group type is 'All'. The claimed target will be part of all Organizations with the Resource Group type 'All'.

0 items found

10  per page



0 of 0



Usage

Description

System Settings



- Quota
- System Alias and Banners
- APIC Connectivity Preferences
- System Response Time
- Global Endpoints (Beta)
- Fabric Security
- BD Enforced Exception List
- Global AES Passphrase Encryption Settings
- Control Plane MTU
- Endpoint Controls
- Fabric-Wide Settings
- Remote Leaf POD Redundancy Policy
- Port Tracking
- Date and Time
- System Global GIPo
- Intersight**
- APIC Passphrase
- BGP Route Reflector
- COOP Group
- Load Balancer
- Precision Time Protocol

Intersight - Device Connector



The Device Connector is an embedded management controller that enables the capabilities of Cisco Intersight, a cloud-based management platform. For detailed information about configuring the device connector, please visit [Help Center](#)

Device Connector

[Settings](#) [Refresh](#)




▲ Not Claimed


The connection to the Cisco Intersight Portal is successful, but device is still not claimed. To claim the device open Cisco Intersight, create a new account and follow the guidance or go to the Devices page and click Claim a New Device for existing account. [Open Intersight](#)

1.0.9-1415

Device ID

FCH2319V0G7&FCH2226VAQR&FCH2226VBSD 

Claim Code

C72F677935F8 

### General

Device ID \*

'AQR&FCH2226VBSD' 

Claim Code \*

C72F677935F8 

### Resource Groups

- Select the Resource Groups if required. However, this selection is not mandatory as one or more Resource Group type is 'All'. The claimed target will be part of all Organizations with the Resource Group type 'All'.

0 items found | 10 per page   0 of 0   

Usage

Description

NO ITEMS AVAILABLE

  0 of 0  

< Back

Cancel

Claim

Intersight ADMIN > Targets

⌘ All Targets ⚙️ +

✎ 🗑️ 🔍 Add Filter 📄 1 items found 10 per page ⏪ ⏩

Connection 🗑️ ✔️ Connected 1

Top Targets by Types 🗑️

1 ● Cisco APIC 1

| <input type="checkbox"/> | Name    | Status       | Type       | Claimed Time      | Claimed By   |
|--------------------------|---------|--------------|------------|-------------------|--------------|
| <input type="checkbox"/> | f3apic1 | ✔️ Connected | Cisco APIC | a few seconds ago | jingccui@cis |

✎ 🗑️ ⏪ ⏩

## Intersight - Device Connector



The Device Connector is an embedded management controller that enables the capabilities of Cisco Intersight, a cloud-based management platform. For detailed information about configuring the device connector, please visit [Help Center](#)

### Device Connector

Settings

Refresh

ACCESS MODE ALLOW CONTROL



Device ID

FCH2319V0G7&FCH2226VAQR&FCH2226VBSD

Claimed to Account

jingccui

[Unclaim](#)

Claimed

1.0.9-1415



## Apps



### Nexus Insights Cloud Connector by Cisco

Nexus Insights Cloud Connector implements tech support collection, upload and telemetry functionality. It enables Cisco TAC to collect tech support on demand for a device.

[Open](#)

Enter the following values. Tech Supports for ACI are generated live and may take some time. After clicking generate, leaving this form will still result in the file being attached to your case.

Search Criteria (fill out one only)

Account MOID

Customer Email

Serial Number

File Attachment Location:

Service Request

693883968

Lookup

Show 10 entries

Search:

| Device Name | Device Type | Serial | PID             | Version        | Cluster Name            | Endpoint Type | Endpoint Hostname       | Connectivity Status |          |
|-------------|-------------|--------|-----------------|----------------|-------------------------|---------------|-------------------------|---------------------|----------|
| f3apic1     | controller  |        | APIC-SERVER-M2  | 4.2(7f)        | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |
| f3apic3     | controller  |        | APIC-SERVER-M2  | 4.2(7f)        | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |
| f3leaf101   | leaf        |        | N9K-C93180YC-FX | n9000-14.2(6d) | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |
| f3leaf102   | leaf        |        | N9K-C93180YC-FX | n9000-14.2(6d) | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |
| f3leaf103   | leaf        |        | N9K-C93108TC-EX | n9000-15.2(2e) | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |
| f3leaf104   | leaf        |        | N9K-C93108TC-EX | n9000-15.2(2e) | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |
| f3leaf111   | leaf        |        | N9K-C93180YC-EX | n9000-15.2(2e) | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |
| f3leaf112   | leaf        |        | N9K-C93180YC-EX | n9000-15.2(2e) | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |
| f3spine201  | spine       |        | N9K-C9364C      | n9000-15.2(2e) | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |
| f3spine211  | spine       |        | N9K-C9364C      | n9000-15.2(2e) | f3apic1,f3apic2,f3apic3 | APIC          | f3apic1,f3apic3,f3apic2 | Connected           | Generate |

Showing 1 to 10 of 11 entries

Previous 1 2 Next



Successfully kicked off generation of Tech Support for: FDO223007KC only one tech support per domain can be generated at any point in time, if you need more than one, please wait until this request finishes and request another.

### Import/Export



Quick Start

- > Import Policies
- > Rollback Policies
- > Export Policies
  - > Tech Support
    - default
  - > On-demand Tech Support
    - default
    - niats-TACASSISTH3zJzO8zSrCEOKzL-SpmhQ**
  - > Per-Feature Container for System Tech Support Data
  - > Per-Feature Container for App Tech Support Data
  - > AVE/AVS Tech Support
  - > Core
  - > Configuration
  - > Snapshot Management
  - > Remote Locations

### On-demand Tech Support - niats-TACASSISTH3zJzO8zSrCEOKzL-SpmhQ



#### Properties

Name: niats-TACASSISTH3zJzO8zSrCEOKzL-SpmhQ

Export to Controller:

Export Destination:

Include pre-upgrade logs:

Include DB metadata file:

Include All Controllers in TechSupport:

Source Nodes:

Specify Tech Support Time Range:

Category:

# FAQ

## **Q1: What does it mean to be 'claimed' in intersight?**

A: "claimed" means that a customer has gone into intersight and claimed ownership of the device. During this process, the end user accepts a EULA(End User License Agreement) which gives us permission to pull the tech supports.

## **Q2: Are customers notified when tech supports are generated?**

A: No, customers have signed a EULA allowing us to generate their tech support, no notification

## **Q3: Security Concern**

A: It can only collect techsupport.

From customer side, they can unclaim the Intersight Connect after TS files had been collected

## **Q4: How to clean collected tech support files?**

A: There's an auto delete policy. the techsupport files will get removed after a threshold (90% of filesystem usage)  
Or delete manually. File Path: `"/data2/logs/Cisco_NIBASE/techsup"`

Thank you

