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#CiscoLiveAPJC



Nexus HyperFabric 6000 Series Switches

The cloud-managed DC fabric solution
you've been waiting for

Dan Backman, Hyperfabric Product Architect
Martin Thygesen, HF6100 Product Owner
BRKDCN-1247

Cisco Webex App

Questions?

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

How

- 1 Find this session in the Cisco Live Mobile App
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<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKDCN-1247>

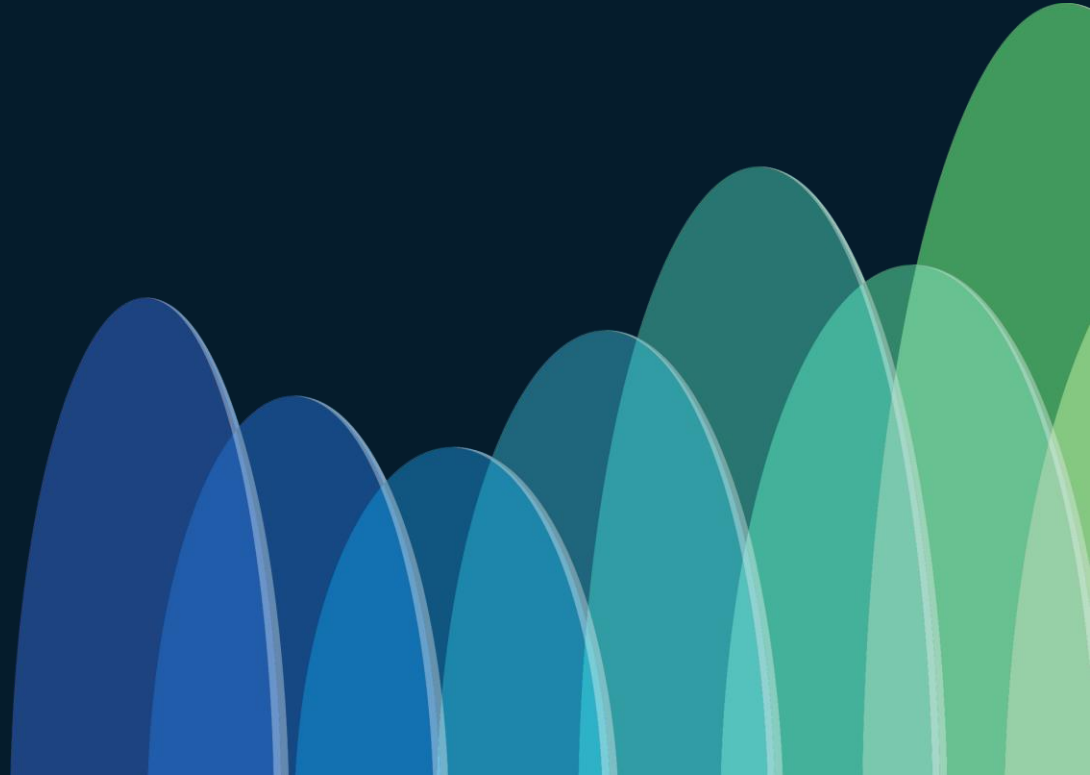




Agenda

- Introducing Cisco Nexus Hyperfabric
- Cisco 6000 Series Switches
- Deep-dive
 - How it works
 - Hyperfabric UI and Demo
- Conclusion

Cisco Nexus Hyperfabric



Customers are rapidly adopting **Cloud Managed Networking**

35%

Projected YoY growth in global
NaaS market 2023-2030

4M+

Customer networks managed
by the Cisco Meraki Cloud

<https://www.fortunebusinessinsights.com/network-as-a-service-market-106700>



Cisco has reimagined data
center **design, procurement,
and operations**

Nexus Hyperfabric

Pre-configured, cloud-managed **networking** for Cisco 6000 switches

AVAILABLE
JANUARY 2025

Nexus Hyperfabric AI

Pre-configured, cloud-managed **networking, compute, and storage**, partnered with **NVIDIA**

AVAILABLE
MAY 2025

Cisco Nexus HyperFabric

Data center network fabric-as-a-service

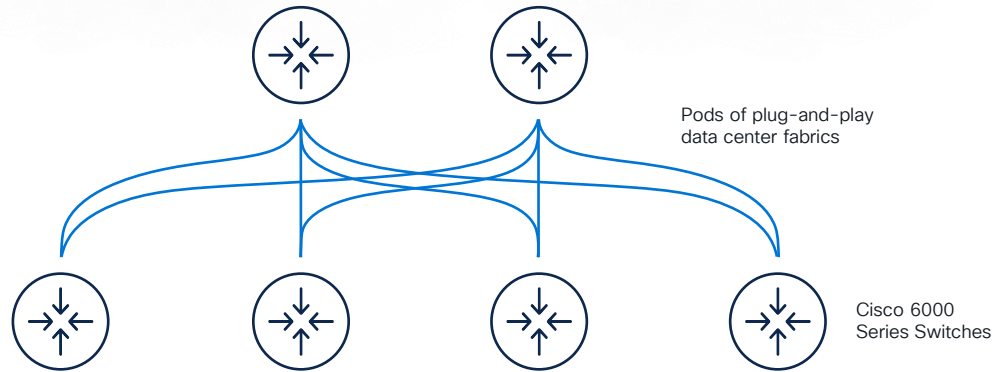
Design, deploy and operate on-premises fabrics located anywhere

Easy enough for IT generalists, application and DevOps teams

Outcome driven by a purpose-built vertical stack



Cisco Nexus HyperFabric



Design



Order



Deploy



Validate



Monitor



Scale



Collaborate

Cisco Data Center Networking Portfolio

Cisco Nexus HyperFabric



Commercial/
Public Sector



Distributed
DC Edge

Cisco Cloud-Managed as-a-Service, Fully Integrated

Easily design, order, deploy, monitor and upgrade fabrics

Purpose built vertical stack

Greenfield deployments only

Cisco 6000 series switches (Silicon One™)

*V1.0 FCS Target CY25 & scales up to 2K host ports

Cisco Nexus Dashboard



Enterprise/
Public Sector/
Commercial



Service
Providers



Tier 2/3 Web

Private Cloud Managed, Flexible Solution

General purpose data center solution

Greenfield & brownfield deployments

Any size spine-leaf data center

Nexus Dashboard for simplified Ops

CloudScale & Silicon One™ Switches

* Shipping

Cisco Nexus HyperFabric Components

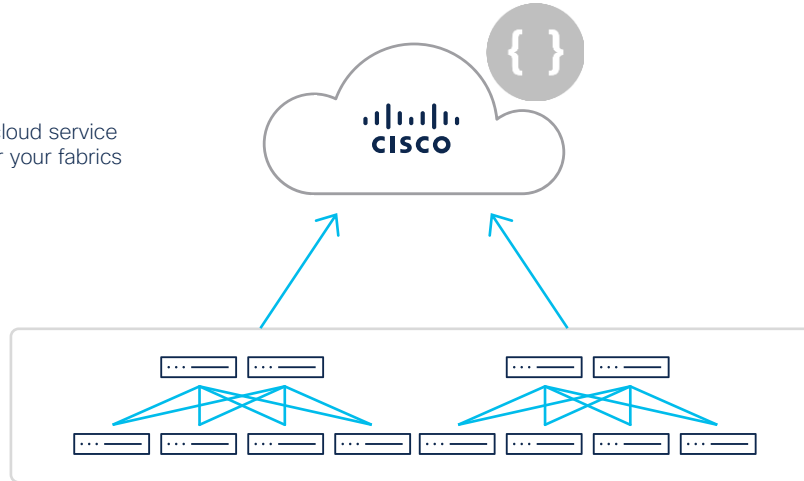
Cloud Controller

- Scalable, globally distributed multi-tenant cloud service
- Design, plan, control, upgrade, and monitor your fabrics
- Browser, API, and mobile access



Cloud-managed Cisco 6000 switch

- Boot-strapped from cloud
- Full visibility and control from the cloud



High-performance fabrics

- Initially thousands of 10/25/100/400 GbE host ports
- EVPN/VXLAN, layer 2 VLANs, IPv4/IPv6 routing
- Mesh and spine leaf fabrics

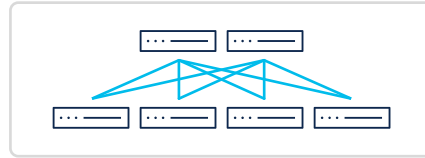


Helping hands app

- Step-by-step deployment tasks
- Registration and cabling
- Real-time validation

Who is the Cisco Nexus HyperFabric for?

Customer use cases

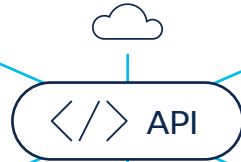
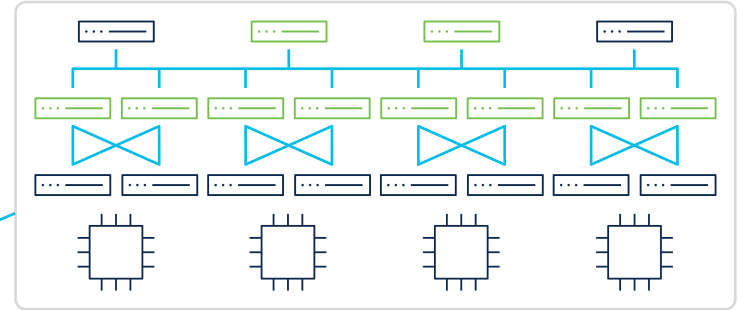


Build new data centers

- Ease-of-use for IT generalists
- Start small and grow fabrics (1+)
- Self-service for fabric tenants

Cloud SaaS Controller

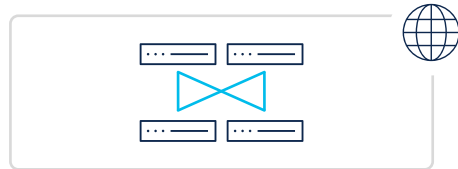
- Single global UI for all owned fabrics
- Single global API endpoint
- Underlay and lifecycle automation



AI/ML/HPC fabrics

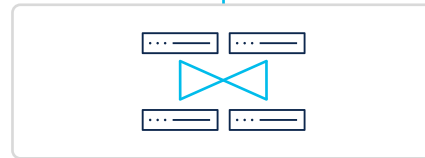
- Simple to deploy and manage
- Scalable AI-ready Ethernet fabric

**Cisco Nexus
HyperFabric AI cluster
Post 1.0 Release**



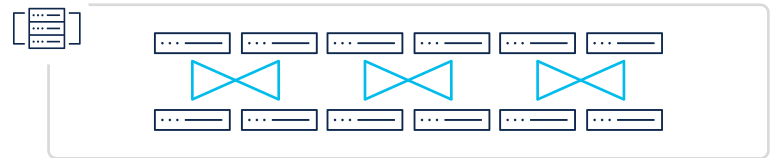
Extend data centers

- Plug-and-play deployment
- Easily expand to data center edge/colo
- Small fabrics of 1-4 switches



Downsize data center tooling footprint

- Data center anywhere with cloud controller
- Planning/design tools to help build rollout



Manage multiple customer data centers

- Managed from cloud
- Remote hands assistance

Cisco Nexus HyperFabric AI Cluster

in partnership with NVIDIA

Democratize AI
Infrastructure

Unified stack
Including NVAIE

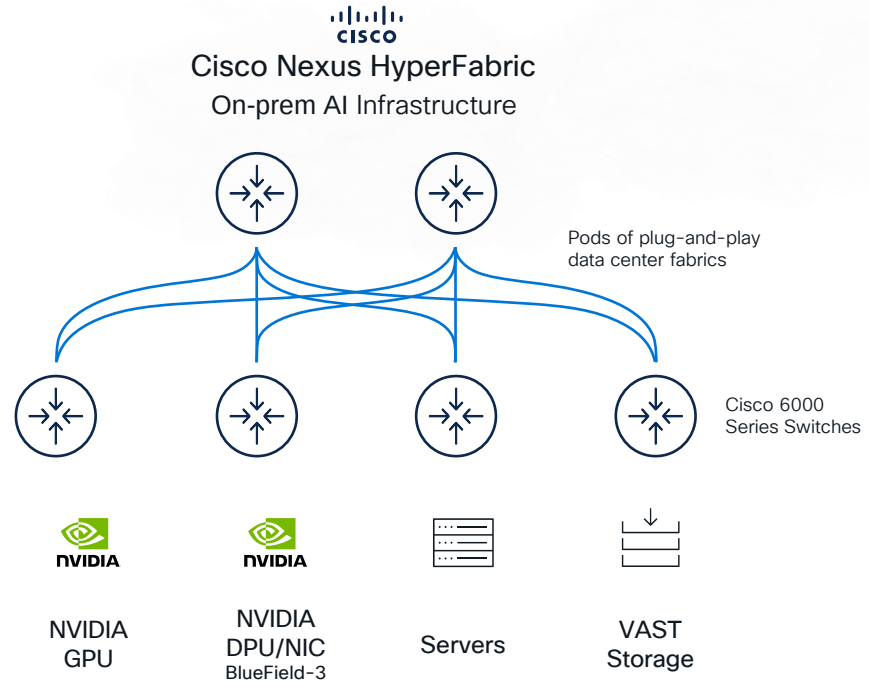
High-performance
Ethernet

Visibility into
full stack AI

AI-native
operational model

Cloud managed
operations

A solution that will enable you to
spend time on AI innovation—not on IT.



Built on Cisco Silicon One and Optics innovations

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Cisco 6000 Series Switches



Supported HW list at FCS



- Cisco HF6100-60L4D (Q200)
 - 4x 100/400GbE QSFP56-DD (16x via 100GbE breakout)
 - 60x 10/25/50GbE SFP56



- Cisco HF6100-32D (Q200)
 - 32x 100/400GbE QSFP56-DD
 - 128x 100GbE via 400:100 breakout

Small/Remote Data Center Fabrics (Full Mesh, Spine-less)

Cisco HF6100-60L4D (Q200)



- 4x 100/400GbE QSFP56-DD (16x via 100GbE breakout)
- 60x 10/25/50GbE SFP56



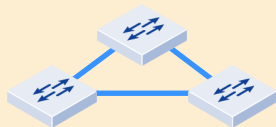
"A Fabric of One"

- Host Ports: 60x 10/25/50GbE
- No dedicated fabric links
- Gateway Ports: 4x 100/400GbE



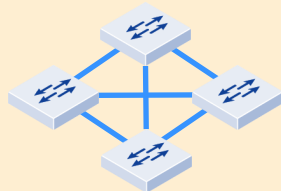
2-Switch Fabric (Remote Fabric)

- Host Ports: 120x 10/25/50GbE
- Fabric Links: 2x400GbE
- Gateway Ports: 4x 100/400GbE



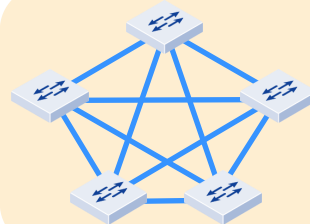
3-Switch Fabric

- Host Ports: 180x 10/25/50GbE
- Fabric Links: 3x400GbE
- Gateway Ports: 6x 100/400GbE



4-Switch Fabric

- Host Ports: 240x 10/25/50GbE
- Fabric Links: 6x400GbE
- Gateway Ports: 4x 100/400GbE



5-Switch Fabric

- Host Ports: 300x 10/25/50GbE
- Fabric Links: 10x400GbE
- Gateway: Host ports only (10/25/50GbE)

Data Center Leaf/Spine Fabrics (10/25/50G Hosts)

Spine: Cisco HF6100-32D (Q200)



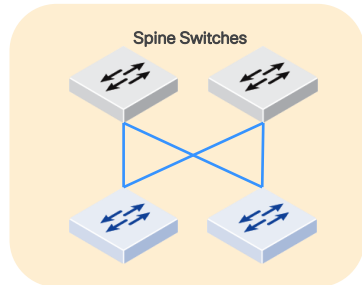
- 32x 100/400GbE QSFP56-DD
- 128x 100GbE via 400:100 breakout

Leaf: Cisco HF6100-60L4D (Q200)



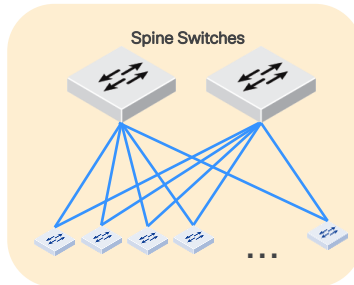
- 4x 100/400GbE QSFP56-DD (16x via 100GbE breakout)
- 60x 10/25/50GbE SFP56

Spine switches support host and gateway port modes



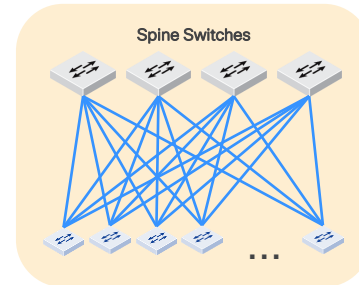
2x Spine • 2x Leaf (min)

- 400GbE Fabric Links
- 120x 10/25/50GbE Ports
- 3.75:1 to 1.87:1 Max Oversubscription



2x Spine • 2-32x Leaf (typical)

- 400GbE Fabric Links
- 120-1920x 10/25/50GbE Ports
- 3.75:1 to 1.87:1 Max Oversubscription

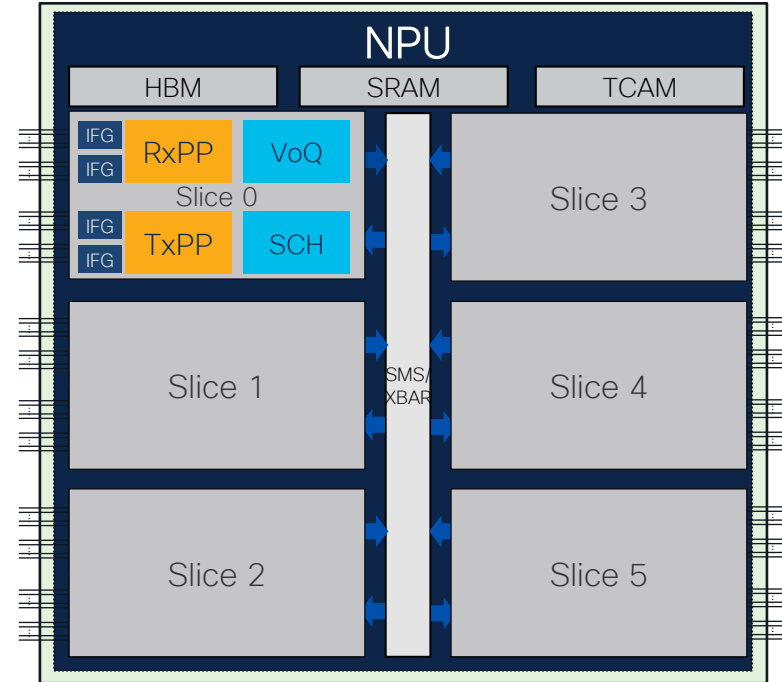


4x Spine • 8-32x Leaf (max)

- 400GbE Fabric Links
- 480-1920x 10/25/50GbE Ports
- 1.87:1 Max Oversubscription

Cisco Silicon One Q200

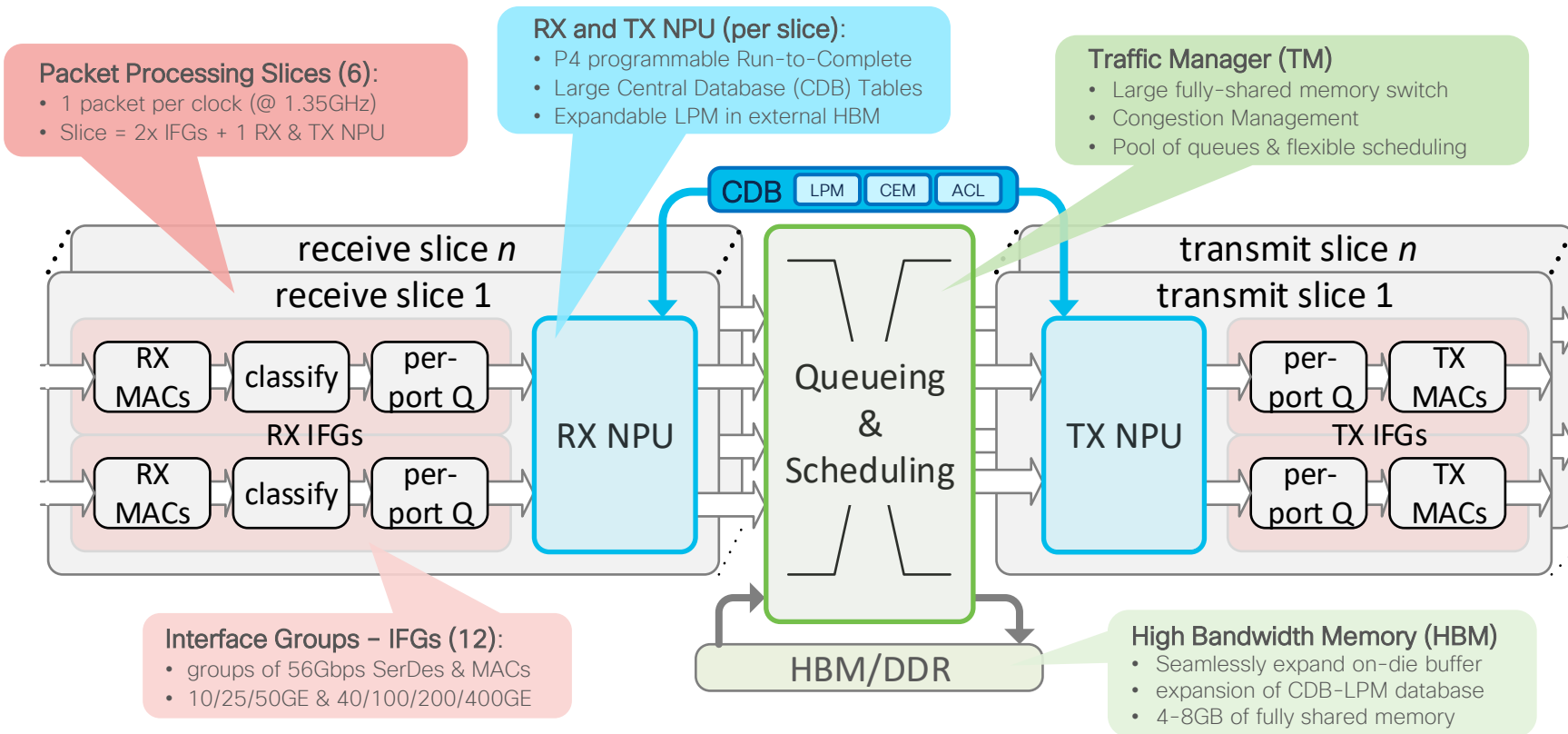
- 12.8 Tbps capacity, 8.1 Bpps
- 256 x 56G SerDes
 - 6 slices per Q200
 - 2 Interface Groups (IFG) per slice
- 108MB shared on-die packet buffer
- Expandable packet buffer to HBM (8GB)
- 288W



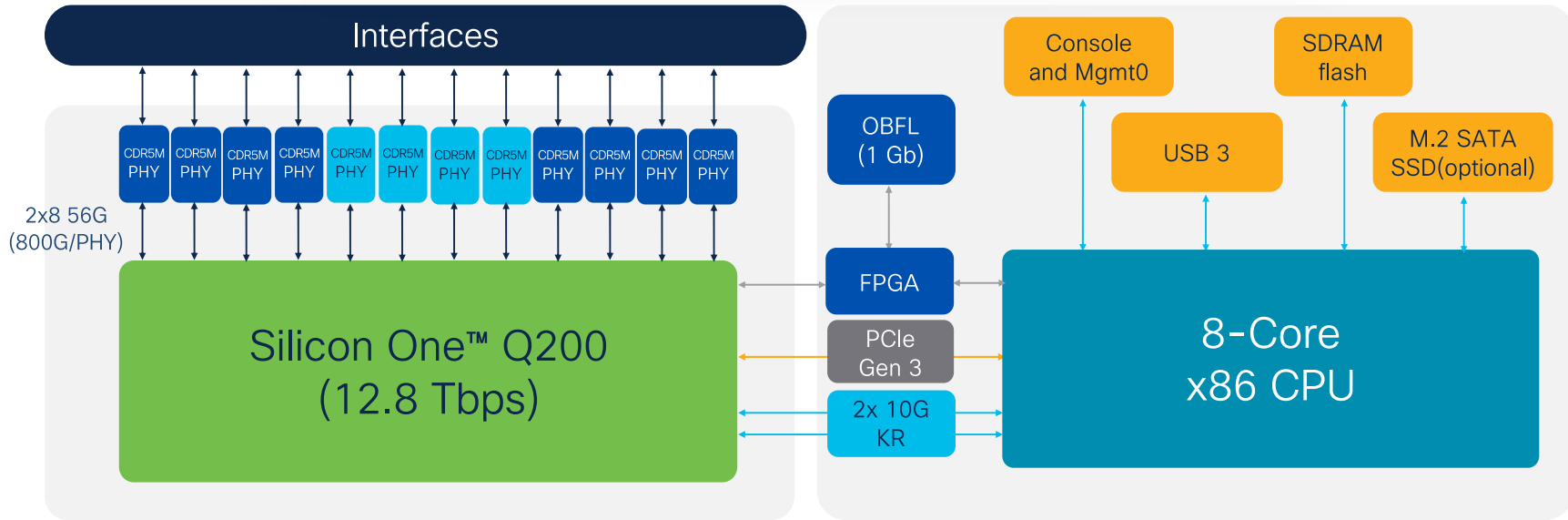
Cisco Silicon One Q200

Cisco Silicon One Q200

ASIC Architecture & Block Diagram



Cisco HF6100-60L4D



Cisco HF6100-32D

1RU, 12.8T, 32x400

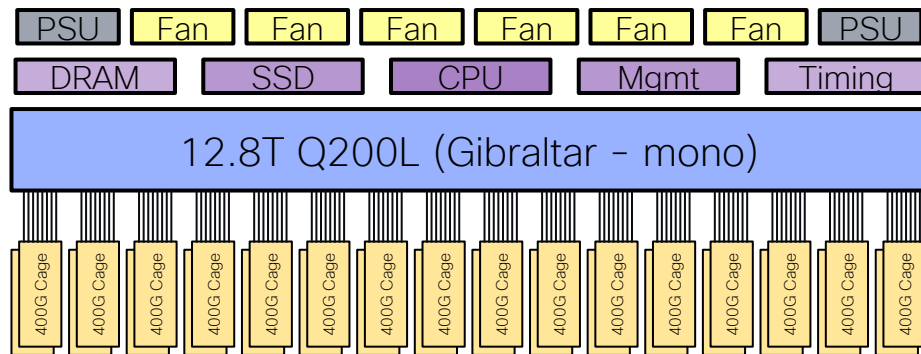
System Overview

Data Plane	Single 12.8T Cisco Silicon One Q200L (7nm) 108 MB fully shared packet buffer
Control Plane	Quad Core x86 CPU 16 GB DRAM / 480 GB SSD
Management Ports	10 GbE Control Plane expansion, 1 GbE Management, 1x USB2.0, GBP (ToD, 10MHz, 1PPS)
Fans and PSU	5+1 Fans, 1+1 Power Supply Units (PSU) Front to Back / Back to Front Airflow 1.4/2 kW AC / 2kW DC PSUs
Typical Power	288W (2.25W / 100G)
Mechanical	(H) 4.39 cm x (W) 44.45 cm x (D) 55.37 cm 28.10 lbs / 12.75kg

Pluggables	Type	1GE	10GE	25GE	40GE	50GE	100GE	200GE	400GE	800GE
Physical	-	1	1	-	-	-	-	-	32	-
32xQSFP-DD56	Normal	-	-	-	32*	-	32	32	32	-
	2 x Breakout	-	-	-	-	-	-	64	-	-
	4 x Breakout	128*	-	-	-	-	128	-	-	-
	8 x Breakout	-	-	-	-	-	-	-	-	-
10 Gbps RJ45	Normal	1	1	-	-	-	-	-	-	-
1 Gbps RJ45	Normal	1	-	-	-	-	-	-	-	-

* - Requires an SPF+/QSPF+ conversion cradle

- Other breakout configurations from third party manufactures may be available subject to testing.



Management Ports

32x QSFPDD-56
(No PHYs or retimers)



PSU

5+1 Fans

PSU

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Cisco HF6100-60L4D

System Overview

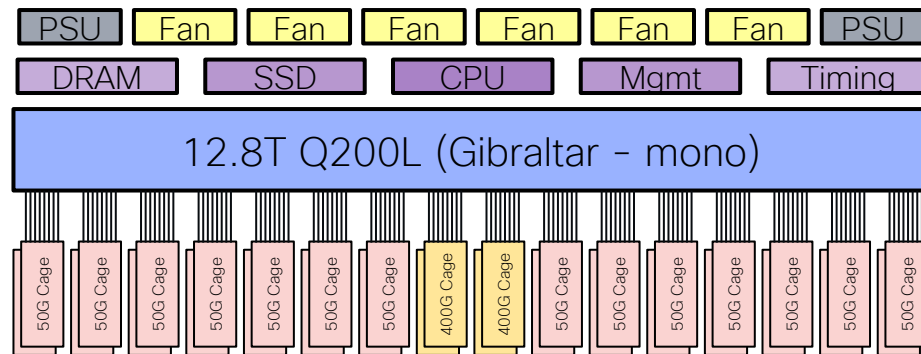
Data Plane	Single 12.8T Cisco Silicon One Q200L (7nm) 108 MB fully shared packet buffer
Control Plane	Eight Core x86 CPU 32 GB DRAM / 480 GB SSD
Management Ports	1 GbE Management, 1x USB2.0, GBP (ToD, 10MHz, 1PPS)
Fans and PSU	5+1 Fans, 1+1 Power Supply Units (PSU) Front to Back & Back to Front Airflow 1.5 kW AC / 1.5kW DC
Typical Power	288W (2.25W / 100G)
Mechanical	(H) 4.4cm x (W) 43.9cm x (D) 60cm 31 lbs / 14.09 kg

Pluggables	Type	1GE	10GE	25GE	40GE	50GE	100GE	200GE	400GE	800GE
Physical	-	1	-	-	-	60	-	-	4	-
4 x QSFP-DD56	Normal	-	-	-	4	-	4	4	4	-
	2 x Breakout	-	-	-	-	-	8	-	-	-
	4 x Breakout	-	16	-	-	16	-	-	-	-
	8 x Breakout	-	-	-	-	-	-	-	-	-
60 x QSFP-28	Normal	60*	60	60	-	60	-	-	-	-
	2 x Breakout	-	-	-	-	-	-	-	-	-
	4 x Breakout	-	240	-	-	-	-	-	-	-
1 Gbps RJ45	Normal	1	-	-	-	-	-	-	-	-

* - Requires an PHY enabled special SFP+ modules

- Other breakout configurations from third party manufactures may be available subject to testing.

1RU, 12.8T, 32x400



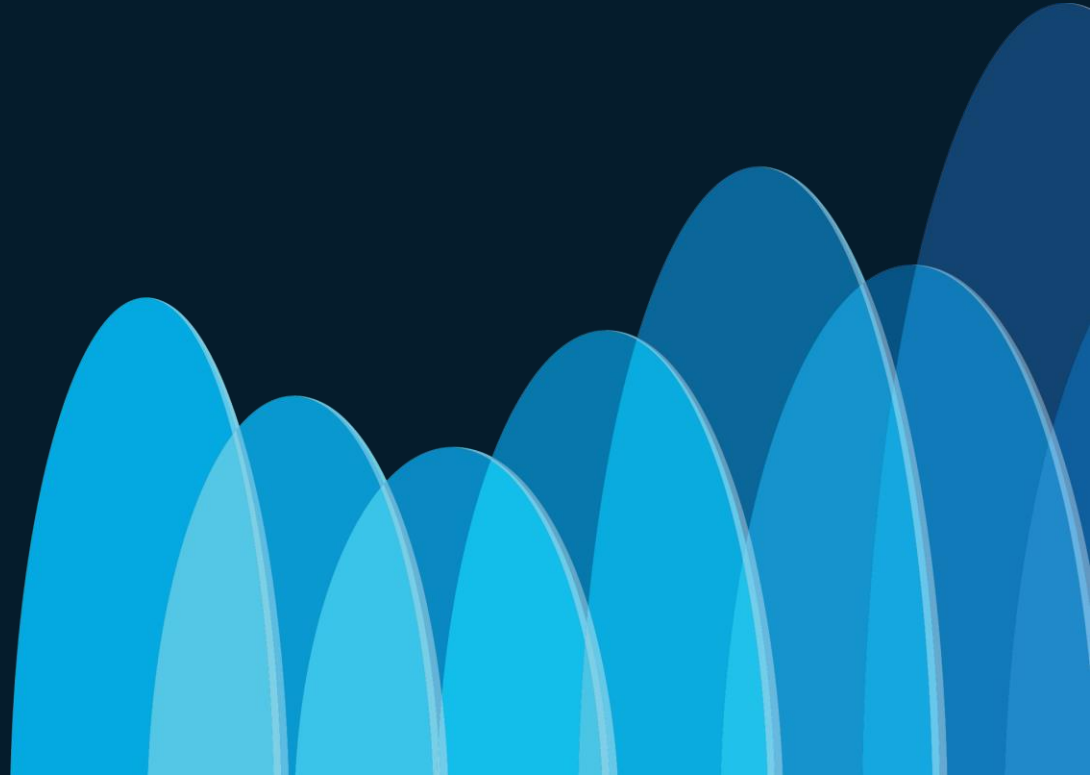
Console Port
60 x SFP-28 & 4 x QSFP-56
(No PHYs or Re-timers)



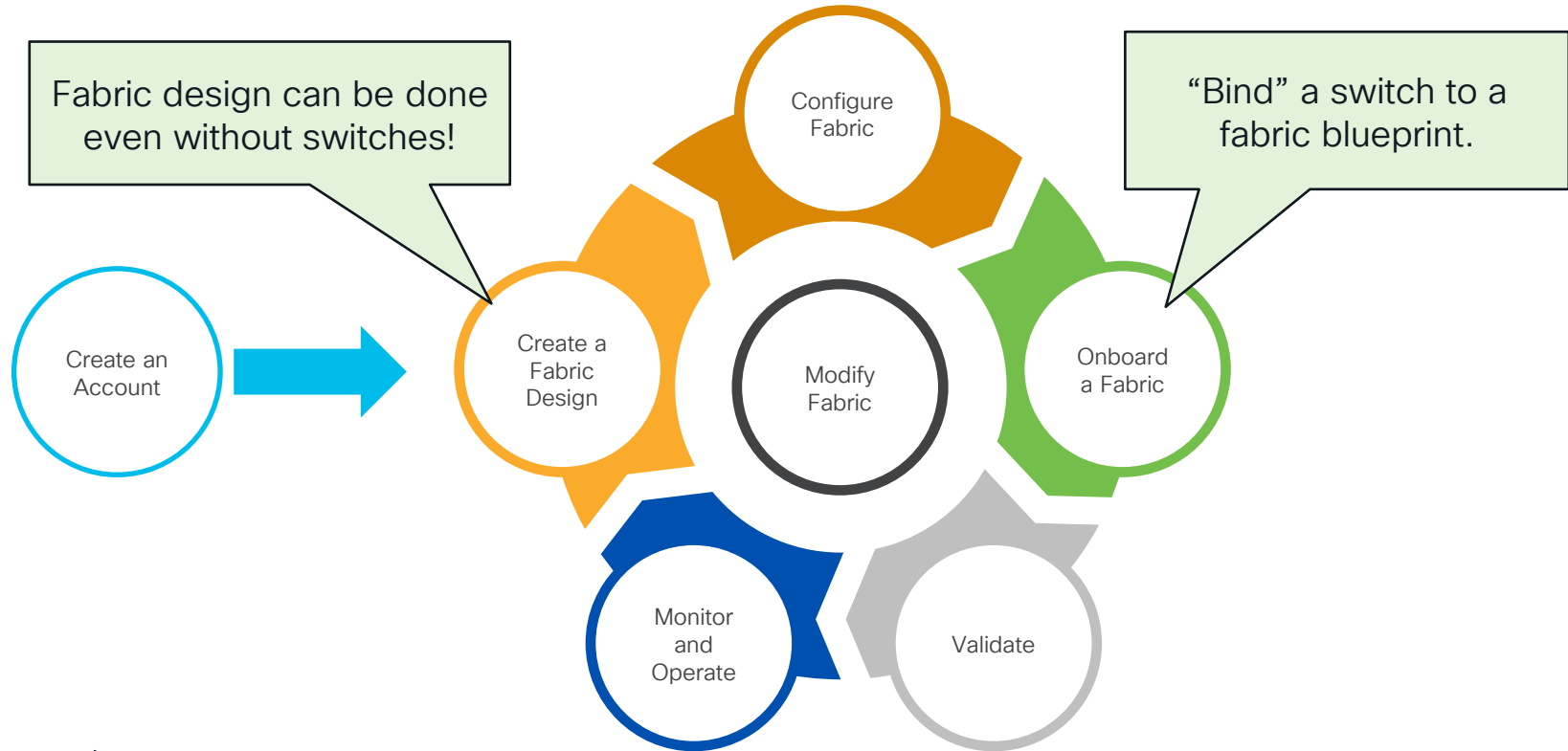
PSU Management Ports 5+1 Fans PSU

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Cisco Nexus Hyperfabric: How it works



Cisco Nexus Hyperfabric Lifecycle



How to manage fabrics?

CCO user:
abc@cisco.com



Region-A



Region-B



Region-X



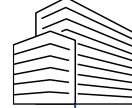
Organizations

A user belongs to one or more organizations

Org-A



Org-B

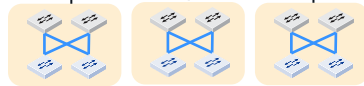


Org-X



Fabrics

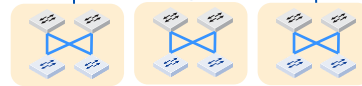
Each fabric belongs to an organization



Fabric1

Fabric2

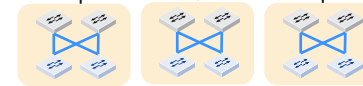
FabricX



Fabric1

Fabric2

FabricX



Fabric1

Fabric2

FabricX

Create a fabric design

- Fabric Blueprint is where we define fabric design such as
 - Switch model
 - # of spine and leaf nodes
 - How switches are connected (interface #)
 - VRF, VNI, VLAN configuration
 - Routing configuration
 - Target switch software version

Add new fabric

Fabric name*

Description

Address Location

Spines (max 8)

HF6100-32D

Leaves (max 8)

HF6100-32D

HF6100-60L4D

Edit logical network

Logical networks are useful for intra network and inter network connection. Let's create one here.

Logical network name* VNI

VLAN members 1

☒ Enable routing (SVI) - VLAN members required

Select routing table*

IP Addresses*

IPv6 addresses

Notes

Labels

Edit logical network

Logical networks are useful for intra network and inter network connection. Let's create one here.

Logical network name* VNI

VLAN members 1

☒ Enable routing (SVI) - VLAN members required

Select routing table*

IP Addresses*

IPv6 addresses

Notes

Labels

Bill of Materials

BOM Calculations

Part number	Description	Qty deployed	Qty required
HF6100-32D	32x 100/400GbE QSFP56-DD, 128x 100GbE via 400/100 breakout	--	2
FT-XXX01234	Fan tray	--	4
PSU-XYZ-PE	Power supply (port exhaust)	--	6
HF6100-32D-SVC	Service	--	2
HF6100-60L4D	4x 100/400GbE QSFP56-DD (16x via 100GbE breakout), 60x 10/25/50GbE SFP56	--	2
FT-XXX01234	Fan tray	--	24
PSU-XYZ-PE	Power supply (port exhaust)	--	72
HF6100-60L4D-SVC	Service	--	2
QDD-400G-DAC3M	400G Passive Cable, 3m	--	12
QDD-400G-AOC3M	400G Passive Cable, 3m	--	12

ESTIMATE NAME Estimate_A_158496387P (A_158496387P)

ESTIMATE ID A_158496387P

Created By Dan Bachman

Created On 03-Sep-2024

Intended Use Quote

Customer Name --

Price List Global Price List in US Dollars (USD)

Items

There are items in this estimate that can be purchased through Cisco's new flexible Consumption Model offerings. Such items have been identified by [Learn More](#)

Preview Consumption Recommendation | Consent to Consumption Model

Import Based Configuration

Lines View

Hardware, Software and Services	Estimated Last Time	Unit List Price (\$USD)	Qty	Unit Net Price (\$USD)	Discounts (%)	Extended Net Price (\$USD)
1.0 NIM-08100-0400 100w 10/25/50/100/400G 32x 400G Switch	Valid as of 03-Sep-2024 02:23:56 PST	142,822.67	4	142,822.67	0.00	695,110.68
2.0 cisco-nim-0400 400w 10/25/50/100/400G 32x 400G Switch	Valid as of 03-Sep-2024 02:23:56 PST	39,415.24	12	39,415.24	0.00	472,982.88

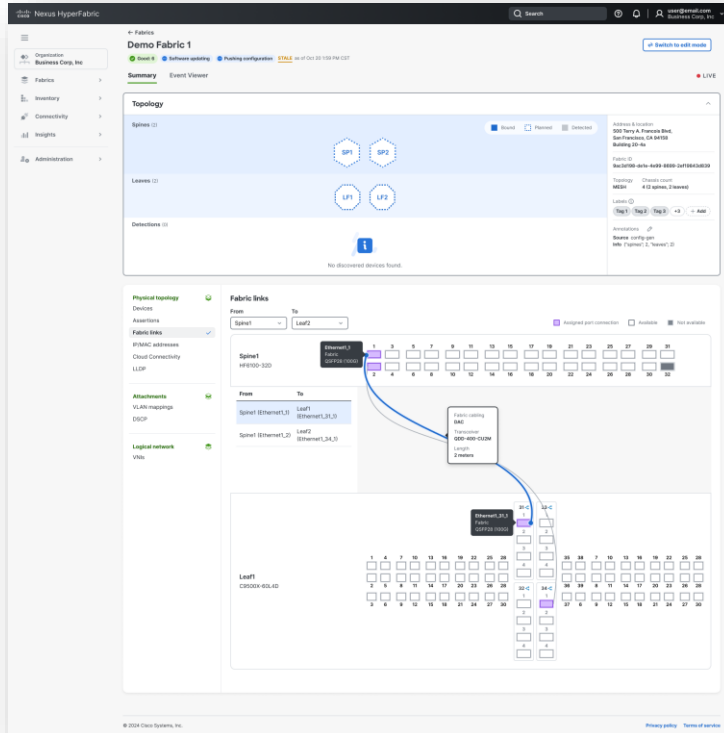
Financial summary with Hardware, Software and Services line

	Estimate Total	All Prices Shown in USD
Product	695,110.64	
Service Total	164,353.00	
Subscription Total	312,877.82	
Total Price	1,168,063.56	

Connect to CCW to generate Estimate or Quote

* for account teams or partners only

Self-Documenting Fabric



The screenshot shows the Nexus HyperFabric interface for 'Demo Fabric 1'. The top navigation bar includes a search bar and user information. The left sidebar lists various management areas. The main content area is divided into several sections: 'Summary' and 'Inventory'. The 'Inventory' section is currently selected, showing a table of cable connections between spine and leaf nodes. The table has columns for Source (Device, Port, Connector, Pluggable (PID), Plug type, Fiber type + grade) and Destination (Plug type, Pluggable (PID), Connector, Port, Device).

Source						Destination				
Device	Port	Connector	Pluggable (PID)	Plug type	Fiber type + grade	Plug type	Pluggable (PID)	Connector	Port	Device
Spine1	Ethernet1_1	QSFP56-DD	QDD-4000-SR4.2-BD	LC	← MMF (multimode) + OM3 →	LC	QDD-4000-SR4.2-BD	QSFP56-DD	Ethernet1_1	Leaf1
Spine1	Ethernet1_2	QSFP56-DD	QDD-4000-SR4.2-BD	LC	← MMF (multimode) + OM3 →	LC	QDD-4000-SR4.2-BD	QSFP56-DD	Ethernet1_1	Leaf2
Spine2	Ethernet1_1	QSFP56-DD	QDD-4000-SR4.2-BD	LC	← MMF (multimode) + OM3 →	LC	QDD-4000-SR4.2-BD	QSFP56-DD	Ethernet1_2	Leaf1
Spine2	Ethernet1_2	QSFP56-DD	QDD-4000-SR4.2-BD	LC	← MMF (multimode) + OM3 →	LC	QDD-4000-SR4.2-BD	QSFP56-DD	Ethernet1_2	Leaf2
Spine2	Ethernet1_16 (breakout)									
	Ethernet1_16_1	QSFP56-DD	QDD-4000-SR4.2-BD	LC	← MMF (multimode) + OM3 →	LC	QDD-4000-SR4.2-BD	QSFP56-DD	Ethernet1_1	Leaf3
	Ethernet1_16_2	QSFP56-DD	QDD-4000-SR4.2-BD	LC	← MMF (multimode) + OM3 →	LC	QDD-4000-SR4.2-BD	QSFP56-DD	Ethernet1_1	Leaf4
	Ethernet1_16_3	QSFP56-DD	QDD-4000-SR4.2-BD	LC	← MMF (multimode) + OM3 →	LC	QDD-4000-SR4.2-BD	QSFP56-DD	Ethernet1_1	Leaf5
	Ethernet1_16_4	QSFP56-DD	QDD-4000-SR4.2-BD	LC	← MMF (multimode) + OM3 →	LC	QDD-4000-SR4.2-BD	QSFP56-DD	Ethernet1_1	Leaf6

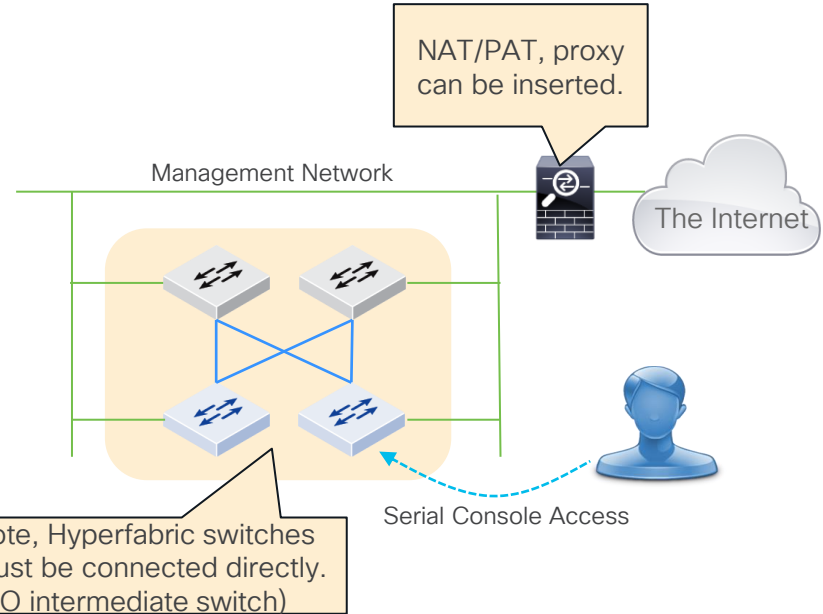
Physical Layer Cable Map

Logical Fabric Map

Onboard a Fabric

Step 1: Initial Physical Setup

- Connect at least one Hyperfabric switch via serial console.
- Connect at least one Hyperfabric switch to a management network, which can reach Hyperfabric Cloud on the Internet, using out of band management interface
- Note: Although it's not mandatory, connecting all Hyperfabric switches to a management network is recommended.



1: Initial Physical Setup



Customer/Partner

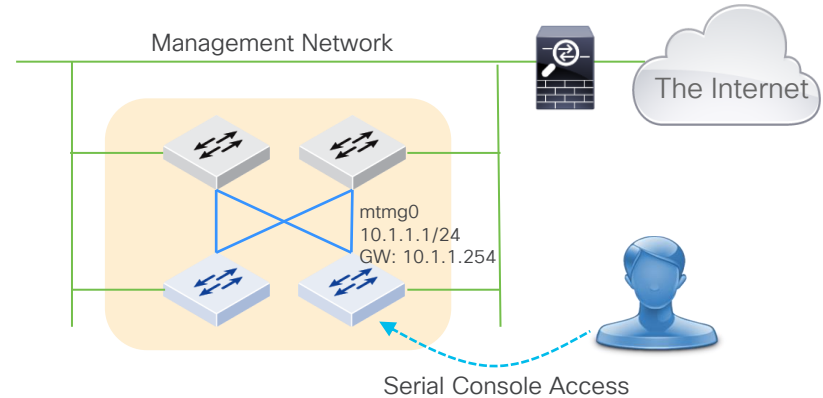
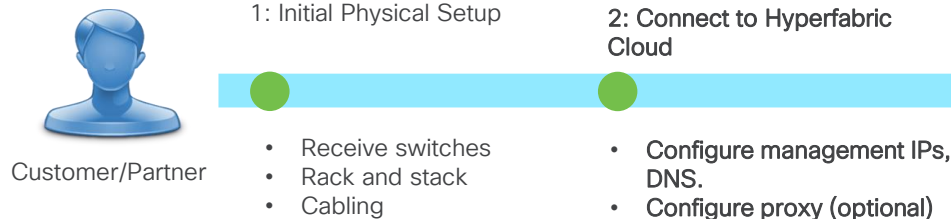
- Receive switches
- Rack and stack
- Cabling

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Onboard a Fabric

Step 2: Connect to Hyperfabric Cloud

- In the absence of DHCP, manually configure at least one management IPv4 or IPv6 address, its default gateway address and DNS for the Hyperfabric switch via serial console.
- By default, DHCP is enabled on the management interface.
- Configure proxy information if needed.
 - Basic http proxy user/password-based authentication is supported
- Verify the connectivity to Hyperfabric Cloud.



Initial configuration via Serial Console

Cisco HyperFabric Switch (cloud-managed)

Left pane is to configure IP, DNS and proxy(optional)

IPv4 DHCP (Y/N): ☐ N

IPv4 address in CIDR:

IPv4 gateway:

IPv6 DHCP (Y/N): ☐ Y

IPv6 address in CIDR:

IPv6 gateway:

DNS servers:

Proxy:

Username:

Password:

Proxy is optional

< Apply > <Apply&Exit> < Cancel >

Current Switch Status

Switch time: Wed 04 Sep 2024 10:07:19 PM UTC

Up time: 1 week, 1 day, 16 hours, 42 minutes

Switch name: FLM27200BET

Switch model: 8201-32FH-0

Serial number: FLM27200BET

Mgmt interface: eth0

IPv4 STATIC

IPv4 address: 172.27.236.156/24

IPv4 gateway: 172.27.236.1

IPv4 gateway reachable: Yes

IPv6 DHCP

IPv6 address:

IPv6 gateway:

IPv6 gateway reachable: No

DNS: *173.37.137.85

DNS status: 1 Responding to DNS query; 1 Reachable

Proxy:

Proxy status:

Cloud URL: https://tortuga-k8s-a.cisco.com:31438

Cloud status: Responding to HTTP/HTTPS

Connected to HyperFabric Cloud

Right pane shows the configured information and reachability status etc

If dynamic IP and gateway are assigned, information is shown here

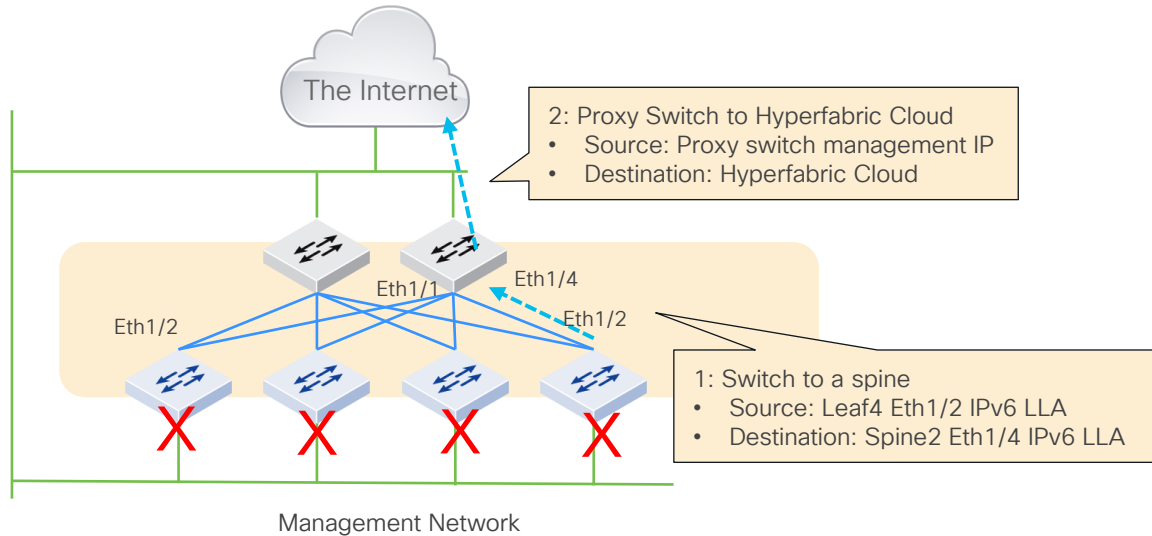
DNS IP with "*" means the DNS is responding (Good)

Beta Cloud URL is pre-configured. No need to config.

Check Cloud status is Connected.

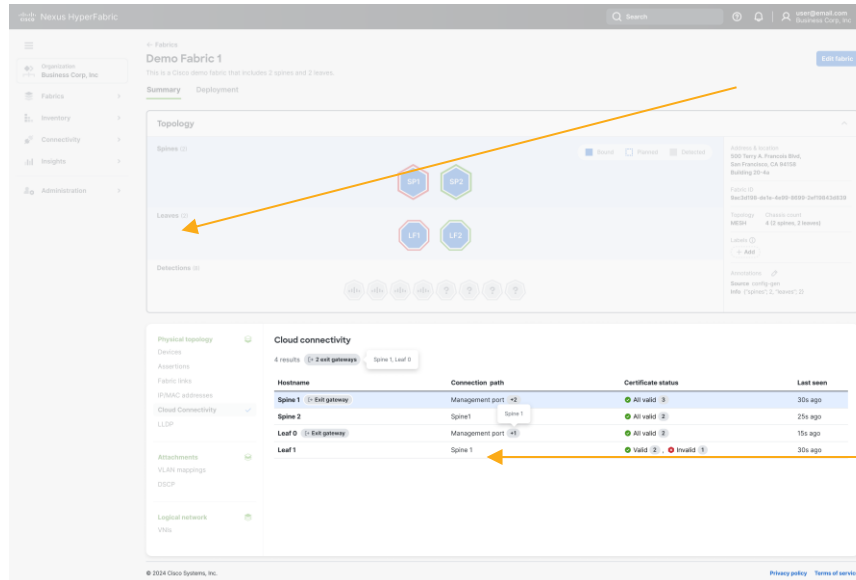
What if a management interface is DOWN?

- If at least one switch in the fabric is reachable to the cloud, other switches can reach the cloud via other nodes as a proxy!



Cloud Connectivity Status

- Cloud Connectivity page shows how switches are connected to cloud (it out-of-band management interface, via another switch or front panel port)



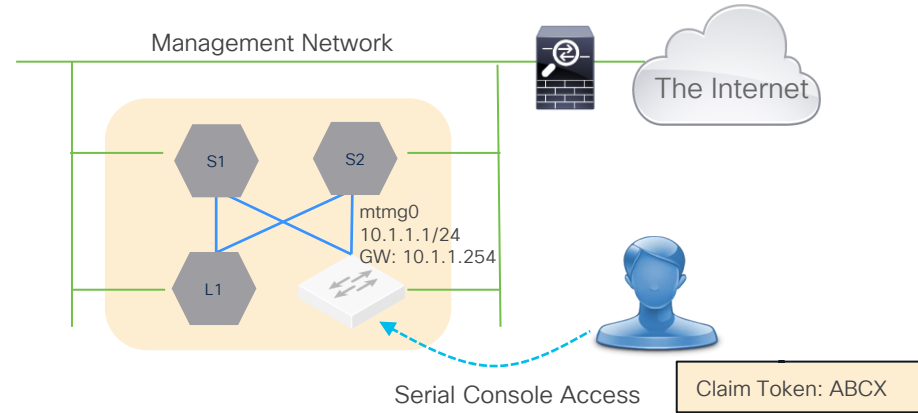
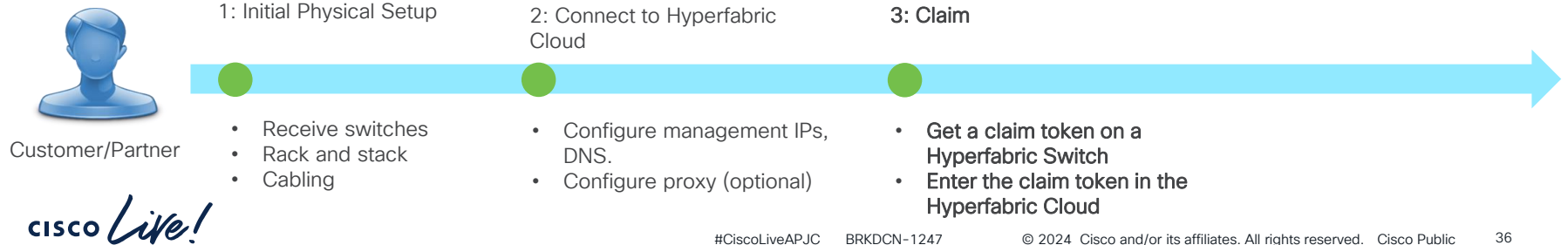
Indicate the number of exit gateway switches who have cloud connectivity via its own out-of-band management port.

Indicate the connection path.

- Management port
- Other switches (exit gateway switch)
- In-band interface (roadmap)

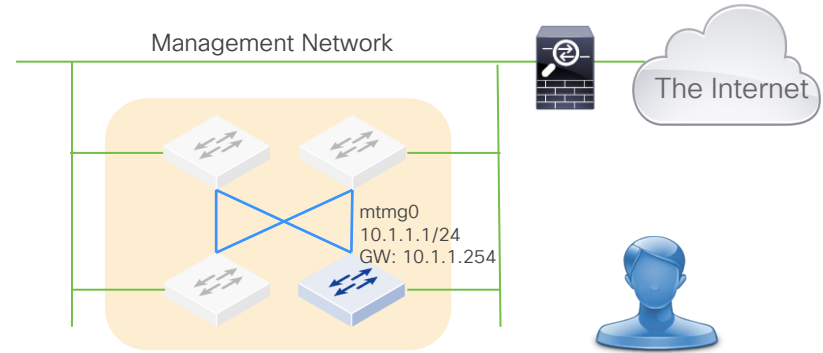
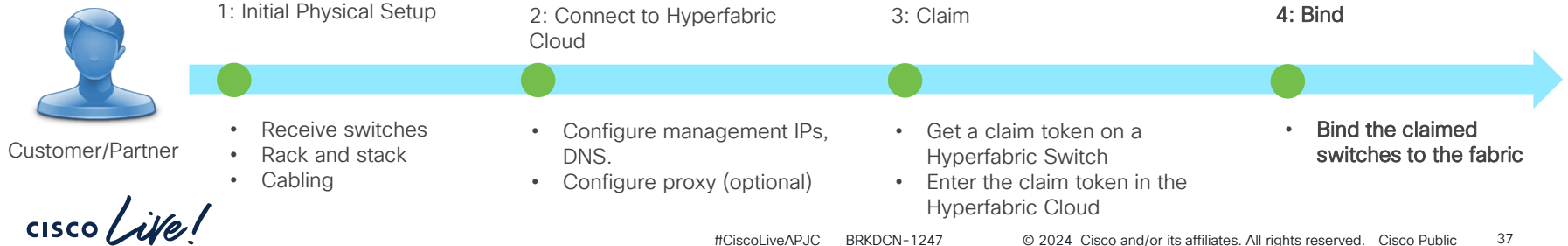
Step 3: Claim the switches to your organization

- Get a claim token on a Hyperfabric Switch via console.
- Enter the claim token within the organization on Hyperfabric Cloud. (Admin role is required)
- Note: USB based claiming will be added later



Step 4: Bind the claimed switches to your fabric

- Assign the claimed switches to a fabric in the customer's organization.
- Note: If binding configuration was done beforehand (It's possible if administrator knows the switch serial number), the switch will be bound to the fabric once it's claimed
- Then, the switches are ready to be used in the network! In fact, VXLAN configuration is automatically done once it's bound to a fabric.



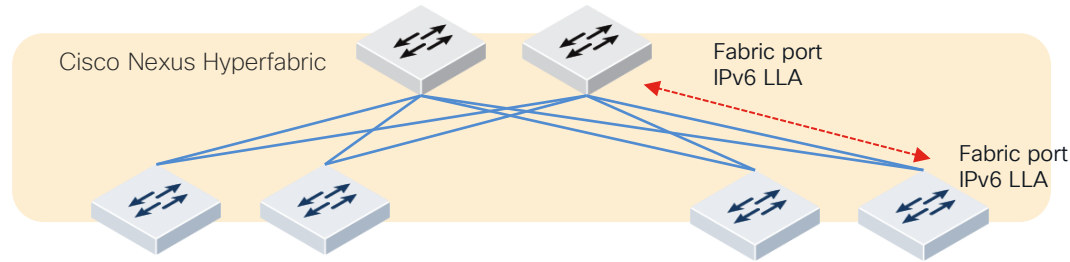
Hyperfabric Demo

CISCO *Live!*



Automatic Fabric underlay deployment

1. When another Hyperfabric switch is found via LLDP, Hyperfabric switches authenticate each other. The communication between switches use Fabric port IPv6 Link Local Addresses (LLA).
2. Once it's authenticated, BGP configuration is automatically added to the interface.
3. Repeat step 1-2 for all neighboring switches to establish VXLAN underlay automatically.

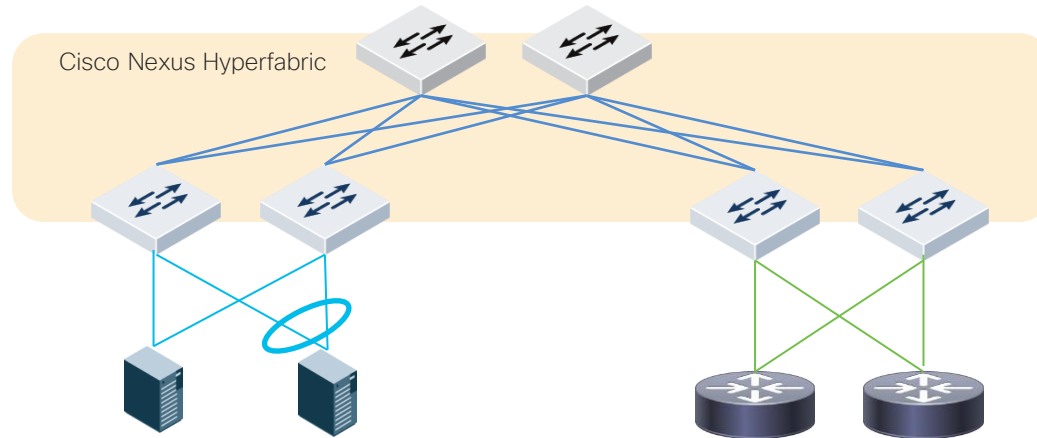


- Neighbor discovery via LLDP
- Authenticate each other
- Automatically configure BGP and VXLAN



User-Configured Edge Connectivity

1. Port configuration
2. Create a VRF, Logical network (VNI) and SVI
3. External connectivity



Port role

- Fabric
- Host, Port channel
- Routed, Routed sub-interface
- Unused

Port Configuration : Port Role



- **Fabric:**
 - Used for connectivity between Hyperfabric Switches. If a port is connected to another Hyperfabric switch, the port needs be set to “Fabric”. Default Port Role is set to “Fabric” for automatic discovery.
- **Port Channel:**
 - Port is a member of a port channel, and is not available for other modes
- **Host:**
 - Used for host connectivity. If a port is L2 port and it’s connected to a server or another general network device, the port needs be set to ”Host”.
- **Routed:**
 - Used for network device connectivity. If a port is routed (L3) port and it’s connected to a server or another general network device, the port needs be set to ”Routed”.
- **Unused:**
 - If set to “Unused”, even if the port is UP (Admin State: UP and link is physically connected), the port will not forward or receive traffic.

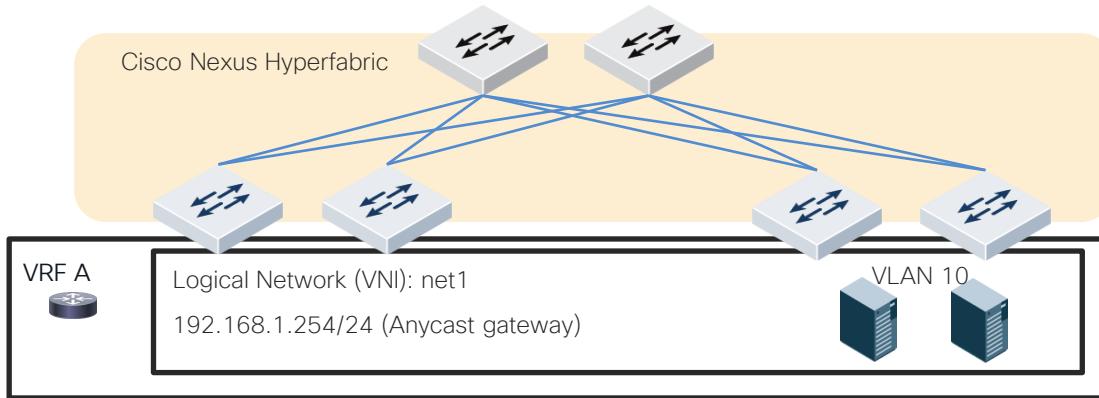
Port Configuration : Admin State



- **Up (default):**
 - If the link is physically connected, light of the port will be green, and the port will receive and transmit traffic.
 - If the link is not physically connected, the light of the port will be amber.
- **Down:** The light of the port will be turned off. Even if the link is physically connected, the link doesn't come up.
- **UP but not forward:**
 - If the link is physically connected, the light of the port will be green, and the port receives the traffic but doesn't transmit traffic from/to the port.
 - If the link is not physically connected, the light of the port will be amber.

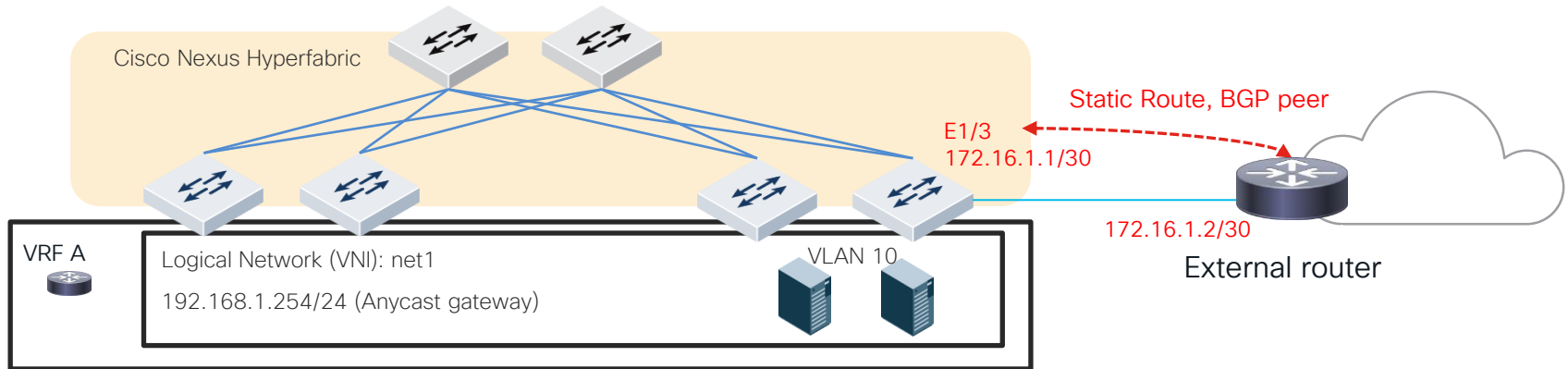
User-Configured Edge Connectivity

1. Port configuration
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User-Configured Edge Connectivity

1. Port configuration
2. Create a VRF, Logical network (VNI) and SVI
3. External connectivity

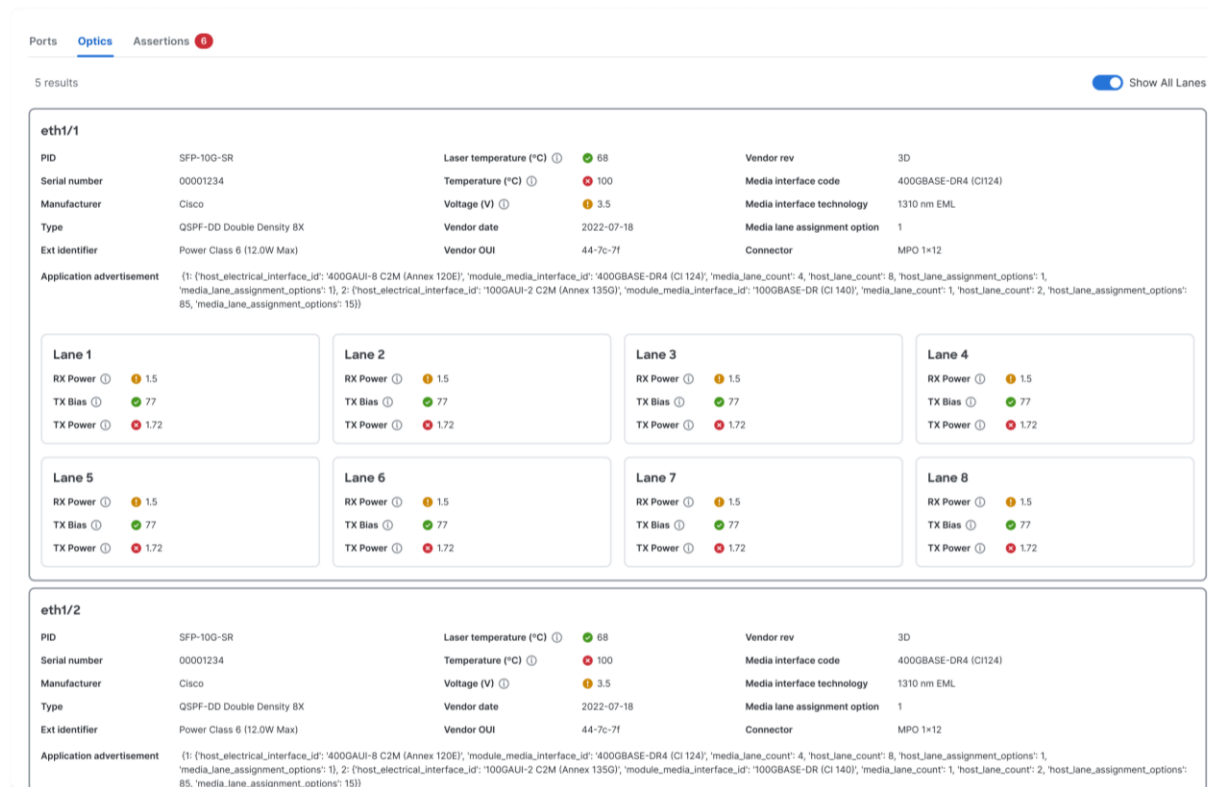


Day2 Operations

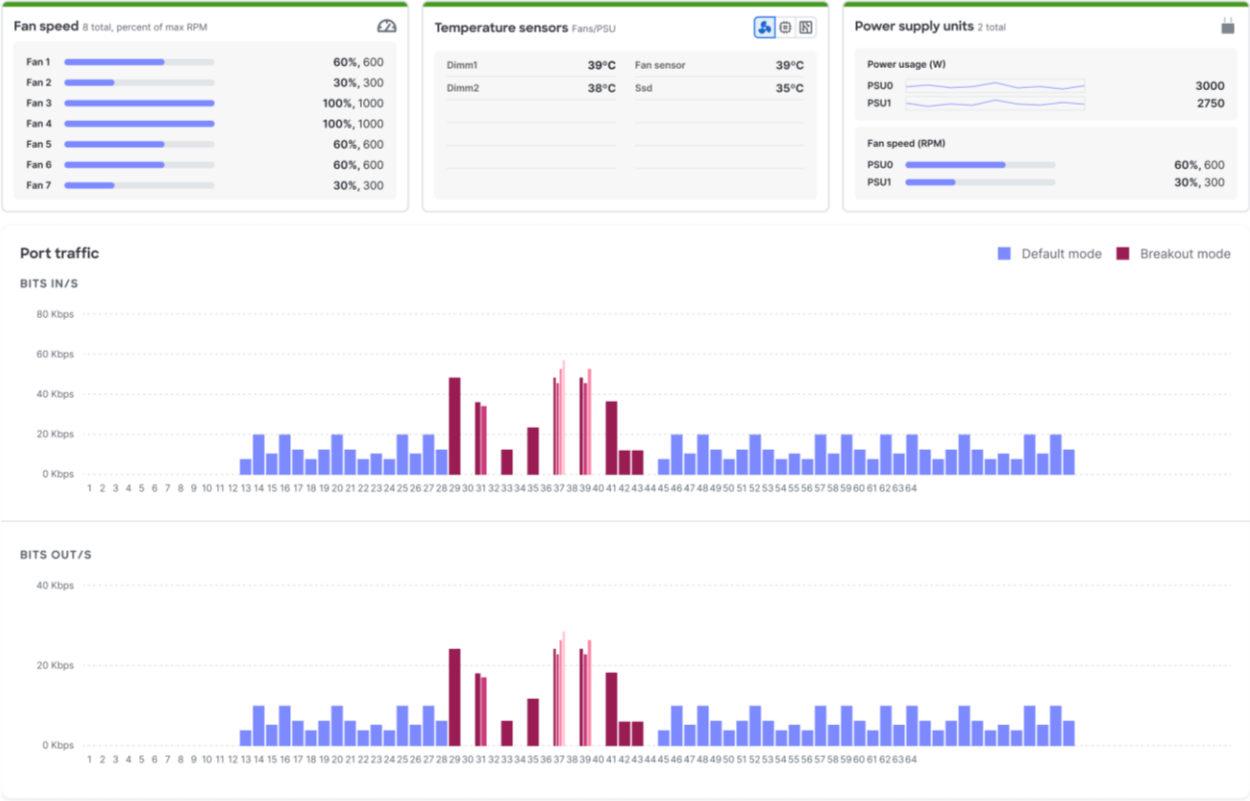
CISCO *Live!*



Optics / Pluggables Telemetry



Environmental Telemetry



Port traffic

Default mode Breakout mode

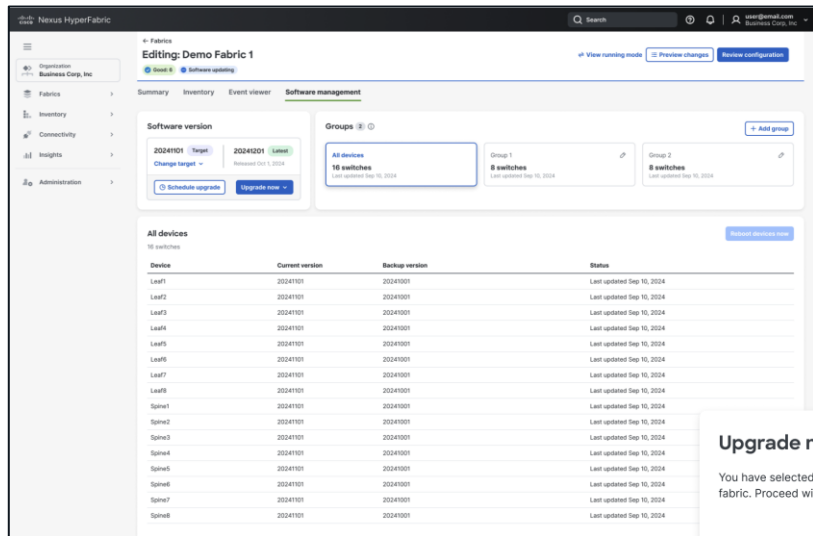
BITS IN/S

Port	Default mode (BITS IN/S)	Breakout mode (BITS IN/S)
1-12	0	0
13-27	~10-20	0
28-30	~10	~45
31-32	0	~35
33-35	0	~20
36-37	0	~50
38-40	0	~45
41-43	0	~35
44-64	~10-20	0

BITS OUT/S

Port	Default mode (BITS OUT/S)	Breakout mode (BITS OUT/S)
1-12	0	0
13-27	~10-20	0
28-30	~10	~25
31-32	0	~15
33-35	0	~10
36-37	0	~25
38-40	0	~20
41-43	0	~15
44-64	~10-20	0

Software Lifecycle Management



Upgrade now confirmation

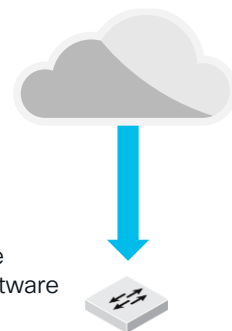
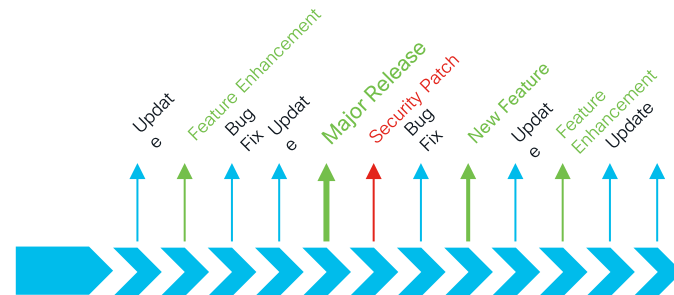
You have selected to upgrade all switches in your fabric. Proceed with software upgrade?

Cancel Continue

Cloud SaaS Delivery Model:

Continuous Delivery Model: Always up-to-date

- Continuous delivery of new features and software updates to the production cloud service.
- No user testing or software maintenance required



Day 1: Collaborate on Deployment

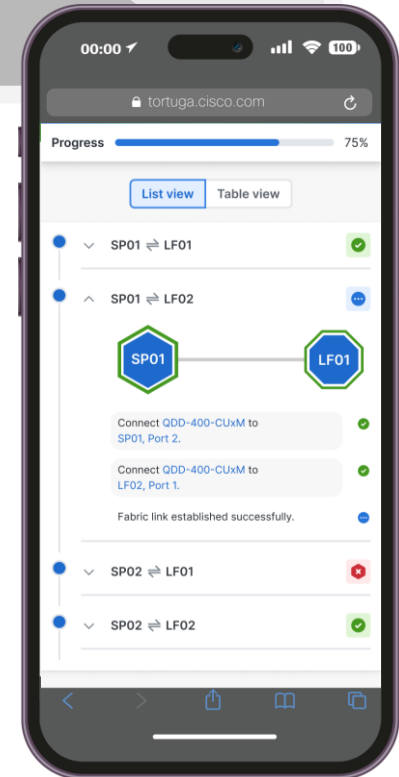
- *Share workflow and status updates with remote hands*
- *Reduce deployment time from weeks to hours*



TICKET OPEN: 093872632
Date: 2023-05-01 / 16:43Z
Assigned to: jwalsh@colosp.net

Description:
"Install leaf switch in pod00-SJC01"

Open this link to complete MOP:
<https://tortuga.cisco.com/rhui/?job=ad62dae672>



Cisco Nexus Hyperfabric Lab [LABDCN-2619]

- Walk-in lab

Add location information

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Thank you

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