

GLOBAL REACH. LOCAL PRESENCE

We have offices in 28 cities in 16 countries giving you access to a global supply supported by a local team. Local language & currency support in each region.



PRESALES SUPPORT TEAM

Our engineers offer pre-sales technical advice, connecting you with the right software vendor for your application, and will configure the hardware, supporting you through your implementation to ensure it is a success.





STOCK AVAILABILITY & SOURCING

EPS Global stocks and can source all the hardware you need: switches, optics, and cables in our regional distribution hubs worldwide, allowing us to minimize lead and transit times for our customers.



AUTHORIZED DISTRIBUTION

distribution agreements with its suppliers, ensuring traceability, genuine products, and the best tech support. Need something else? We can source products for you.



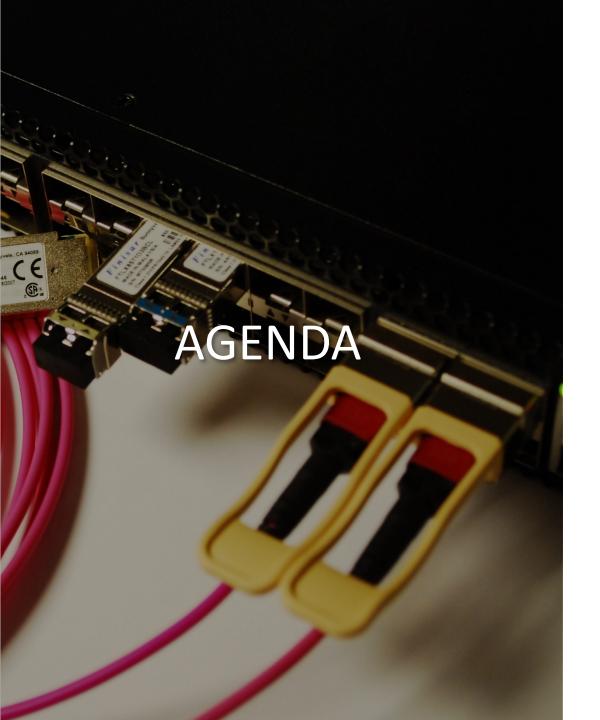
Peace of mind. EPS Global has franchised



ABOUT EPS GLOBA









Who are Edgecore Networks?



Evolution of the Hardware & Use Cases



Contributions to the OCP



The Edgecore Lab



Open NOSs & Cross Pollination



Direction & Momentum of Open Hardware & the OCP

SPEAKERS





Łukasz Łukowski

Vice President Sales & Channel EMEA

Edgecore Networks





Barry McGinley

Systems Engineer

EPS Global





Steve Helvie

VP of Channel Development

Open Compute Project

Accton Technology and Edgecore Networks

Edge-corE

Accton Technology

- The Leading Network ODM Servicing Tier-1 Customers
- Founded 1988, IPO Taiwan 1995 (TWSE: 2345)
- \$1.8B USD Revenue 2019, 5,145 Employees Worldwide
- 9 R&D Locations with more than 1,000 Engineers
- State-Of-The-Art High-Volume Manufacturing in Taiwan and China
- One Stop Shop!

Edgecore Networks

- Brand launched in 2004, wholly owned subsidiary of Accton
- Go-to-market business to network operators DC, Telecom, and Enterprise
- Manages customer, partner and open community relationships
- Leading contributor of network designs to OCP, TIP participant, ONF Charter Partner
- More than 10M Ethernet Ports shipped in 2019!

Accton Making Partnership Work













Open Networking Evolution

Edge-corE

Edgecore Leadership Evolution in each Market



10G Leaf 40G Spine

10G/25G Leaf 100G Spine DCI

100G Leaf 400G Spine Next Gen
Switch-Optical
Integration

Photonics Switching



Data Center







Monitoring,
Packet
Broker

CORD & Access

Internet Exchange Aggregation & Core

Cell Site
Gateways
& Backhaul

Mobile Fronthaul



PoE & Access Switches

Open Wi-Fi Distribution Centers Corporate Networks

Enterprise / Campus

MDU Services

Hotspot

Retail Stores

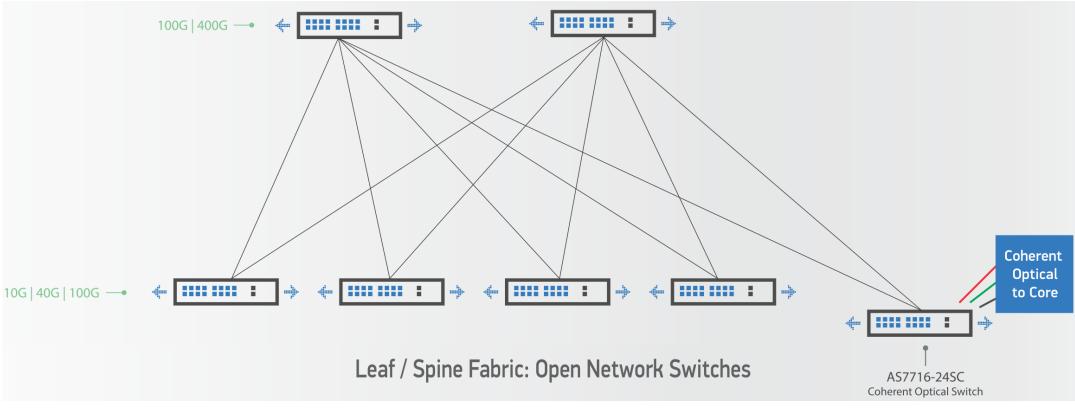
uCPE E

Data center

Edge-corE

Evolution





Data center



Edgecore cooperation with Hyperscale Datacenter (40G / 100G)



Wedge-16X

16x40G, Broadcom Trident II



Wedge100S-32X

32x100G, Broadcom Tomahawk+







Data center

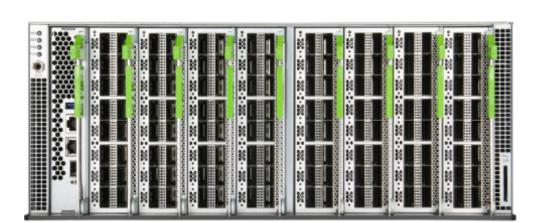


Edgecore cooperation with Hyperscale Datacenter (100G / 400G)



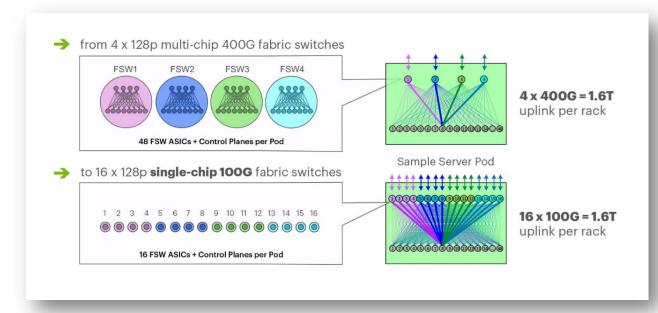
MINIPACK AS8000

- Broadcom Tomahawk 3, Intel® Xeon® D-1527 CPU
- 8 Line Card Options (PIMs)
 - 16 x 100G QSFP28 / up to 128 x 100G
 - 4 x 400G QSFP-DD / up to 32 x 400G



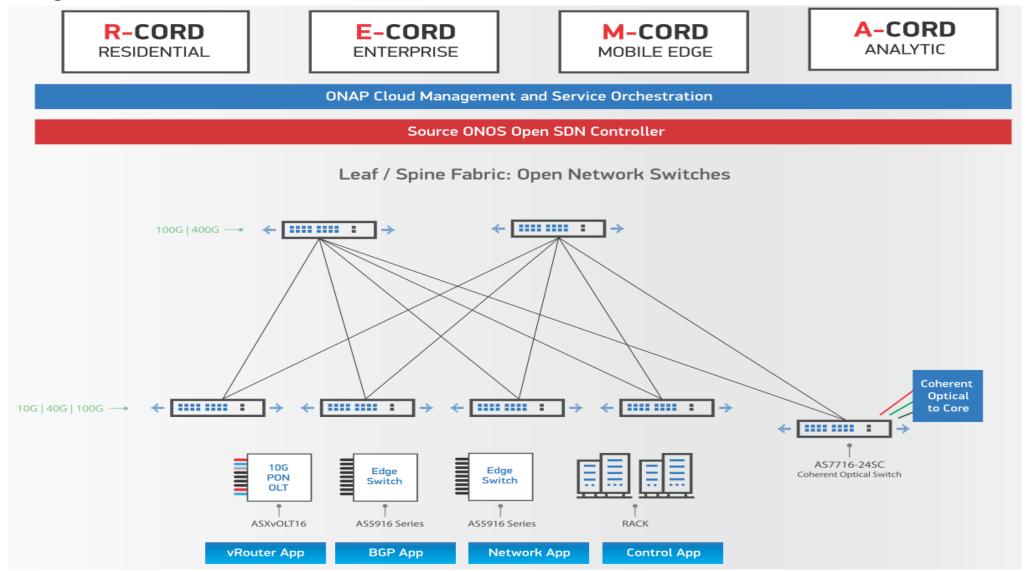
F MINIPACK







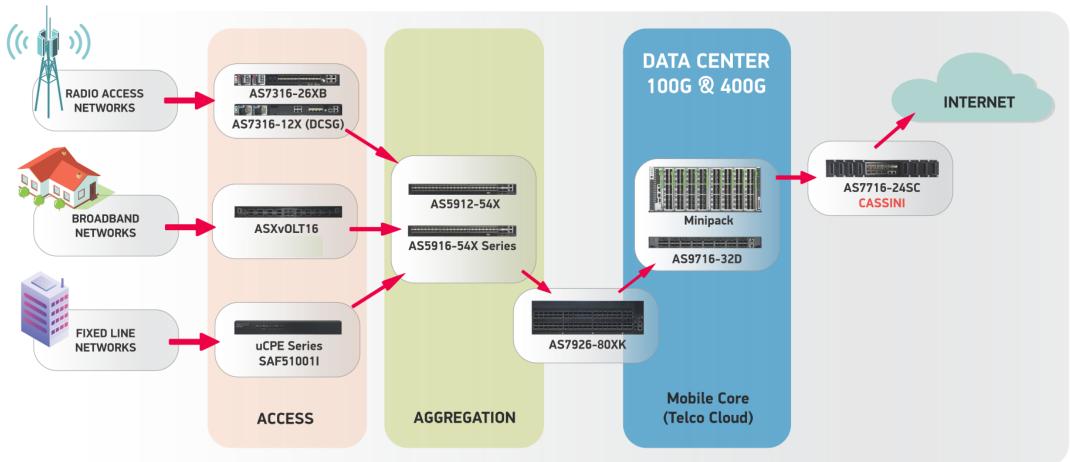
Migration & evolution





The Logical Architecture for Edgecore Open Networking CSP Portfolio





E d g e - c o r E

4

Edgecore cooperation with Telecoms (DCSG)

AS7316-26XB Cell Site Gateway

16 x 10G SFP+, 8 x 25G SFP28 + 2 x 100G QSFP28



AS5915-18X TIP DCSG Disaggregated Cell Site Router

4 x 1G RJ45, 8 x 1G/2.5G SFP + 6 x 10G SFP+



AS7315-27X Cell Site Gateway

16 x 10G SFP+, 8 x 25G SFP28 + 1 x 100G QSFP28 + 2 x 100G Stacking Ports







Edge-corE



Edgecore cooperation with Telecoms (Open 10G PON OLT)

10G PON ASXVOLT16

16 x 10G XGS-PON XFP + 4 x 100G QSFP28







Edgecore cooperation with Telecoms (Aggregation and Core Routers)



Standalone



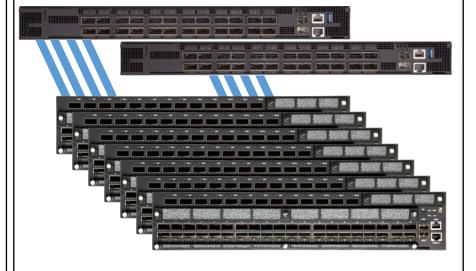
- Single CPU
- Single Control/Management Plane
- Non-Redundant

Stacked/Clustered



- Multiple CPU
- Single Control/Management Plane
- Redundant

Distributed Virtual Chassis

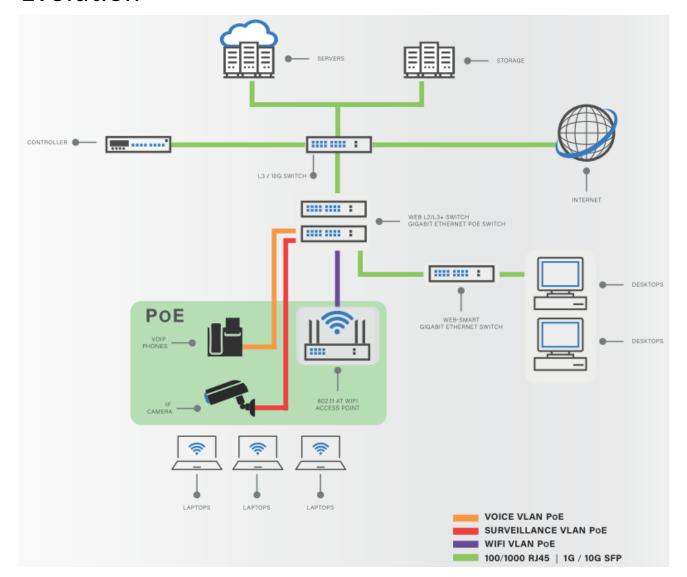


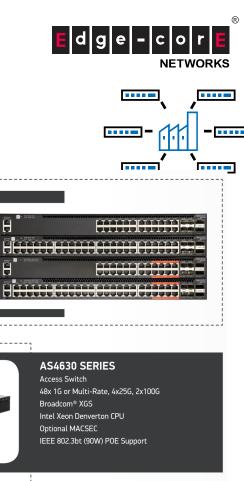
- Multiple CPU
- Single Control/Management Plane
- Redundant
- Scales to 1000s of Ports



Enterprise / Campus

Evolution







AS4610 SERIES
Access switch

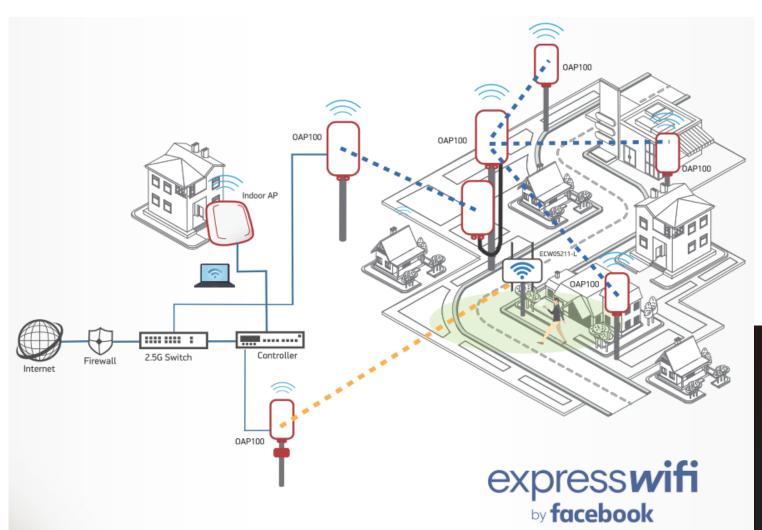
Broadcom® XGS Helix 4 Embedded ARM CPU

POE and non-POE Options

24 or 48 Port 1G, 4x10G, 2x20G Stack Ports

Enterprise / Campus

Evolution











Most Network Design Contributions to Open Source

E d g e - c o r E

Industry Firsts: 10G to 400G DC switches, New Telco /MSO Use Cases





OCP-AcceptedTM Designs & Products

• 1G Leaf Mgmt Switch Helix4

10G TOR Switch Trident II

40G Spine Switch Trident II

100G TOR & Spine Switch Tomahawk

100G TOR & Spine Switches Trident3

• 64 x 100G Spine Switch Tomahawk II

• 32 x 400G Tomahawk III

• 10G/100G Edge Switch Qumran

• Open Leaf Switch Adapter

OCP-AcceptedTM Access Products

• 1G PoE Switch Helix4

802.11ac Wave1 Wi-Fi APs
 BCM

802.11ac Wave2 Wi-Fi APs
 QCA



Most Network Design Contributions to Open Source

Edge-corE

Industry Firsts: 10G to 400G DC switches, New Telco /MSO Use Cases

OPEN Compute Project



Partner Designs, Edgecore OCP-Inspired™ Product

Wedge40-16X
 Facebook

Wedge100-32X
 Facebook

Wedge100BF-32X
 Barefoot

Wedge100BF-65X
 Barefoot

Design Contributions in OCP Review

100G OMP800 Chassis Tomahawk

100G OMP1600 Chassis Tomahawk

25G TOR Switch Tomahawk

MiniPack AS8000 Tomahawk III

OCP Telco Working Group

ASXvOLT16 10G OLT
 BCM Qumran & Maple

AS7316-26XB Cell Site Gateway
 Qumran-AX

AS7926-40XK and -80XK Aggregation Routers
 Jericho2 in OCP Review



Accepted Design Contribution

Cassini Packet Transponder

Designs in Process

DCSG Cell Site Gateway

Want to try?





Edgecore EMEA LAB in Poland



SEBA 10G PON Mobile LAB



Leaf & Spine Mobile LAB









OPEN NETWORKING SOLUTIONS

EPS Global has partnerships with all the leading hardware and software vendors in the open networking ecosystem, and our engineers can advise you on the best product set to suit your business needs, offering software configuration and bundling of hardware solutions for hassle-free, consolidated shipments.



NETWORK OPERATING SYSTEMS























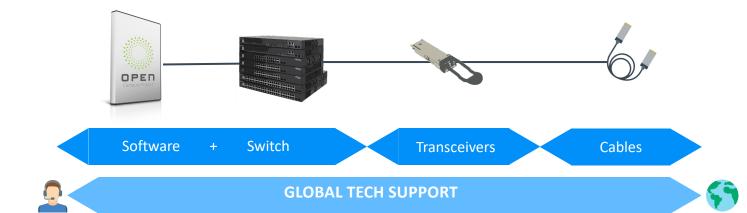








TURNKEY SOLUTIONS FROM A SINGLE SOURCE



COMMERCIAL SOFTWARE

Data Center



BIG SWITCH NETWORKS

© CUMULUS

CUMULUS NETWORKS



IP INFUSION

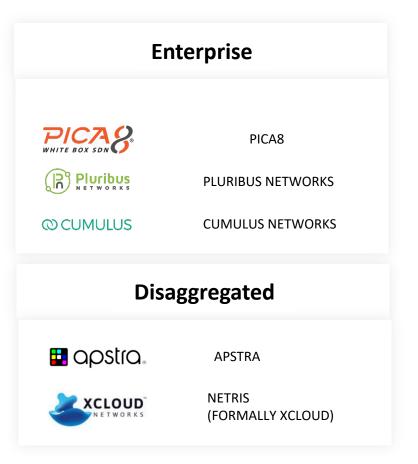


PLURIBUS NETWORKS



BROADCOM ICOS





OPEN SOURCE SOFTWARE



SONiC from Microsoft



Open Networking Linux (ONL) from OCP



Stratum from ONF



OpenSwitch from the Linux Foundation



Broadcom's ICOS



ONOS from ONF



ONF ONOS



DANOS from the Linux Foundation

DATA CENTER & ENTERPRISE SOLUTION



Spine & Super Spine 400G/100G





Leaf 25G/10G





Edge - 1G

Compatible Software



















END-TO-END SERVICE PROVIDER SOLUTIONS



Service Provider Core & Edge

OLT





Metro Aggregation

Cell Site Router Gateway





vBNG

Compatible Software



















Thoughts on the direction and momentum of open hardware & the Open Compute Project (OCP)



Steve Helvie
Open Compute Project (OCP)
steve@opencompute.org



FierceTelecom Al TELECOM TECH PLATFORMS Telecom Open Compute Project switches rule the data center bare metal roost - report

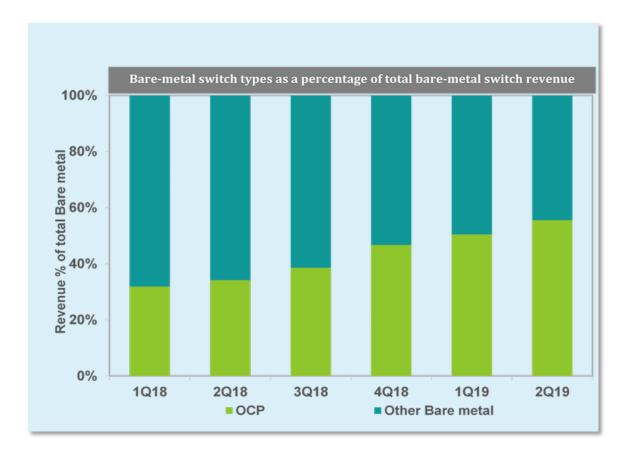
https://www.fiercetelecom.com/telecom/open-compute-project-switches-rule-bare-metal-roost-report

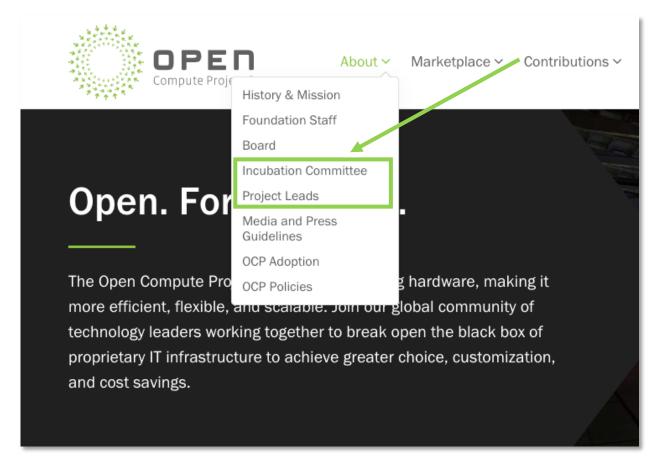
by Mike Robuck I Oct 24, 2019 11:33am

"OCP-certified switches have moved past the trial and wait-and-see phases"

Devan Adams, principal analyst at IHS Markit

- Data Center CAPEX Reduction Initiatives
- 2. Increase in SDN offerings
- 3. Rise in merchant-based silicon











Jeff Catlin
Co-Chair
Open Compute Project



George Tchaparian

Edgecore Networks

Regional Project Community Taiwan



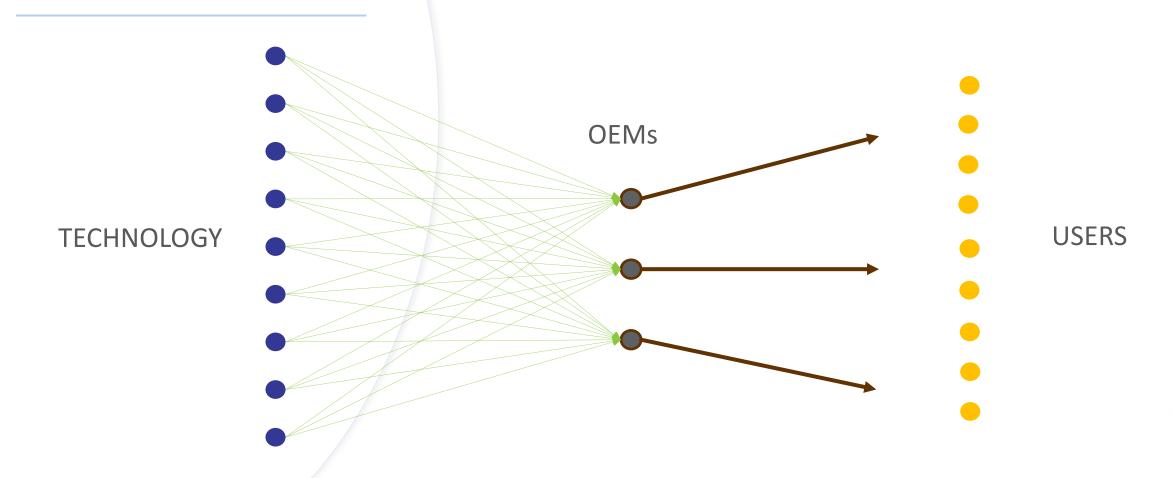
Lukasz Lukowski

Open Compute Project

Regional Project Community Europe



The Old Innovation Pipeline





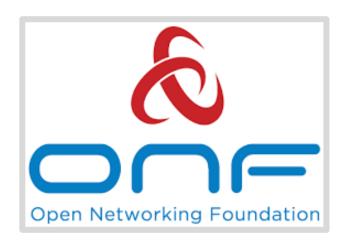
Better Together



USERS



Whatever market *open source* enters... It eventually dominates.









UPCOMING WEBINARS



OCP Virtual Global Summit

May $12^{th} - 15^{th}$



Public to Private Cloud Network Deployment

May 26th



DC & Service Provider Solutions

June



Networking Simplified

July



GET IN TOUCH



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