SDN y Open Networking La Revolución de la 'Conectocracia'



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Business needs are changing

Increasing complexity of application ecosystems is driving IT transformation

As application ecosystems become more complex, IT must transform to deliver greater

- EFFICIENCY
- PREDICTABILITY
- BUSINESS AGILITY

81%

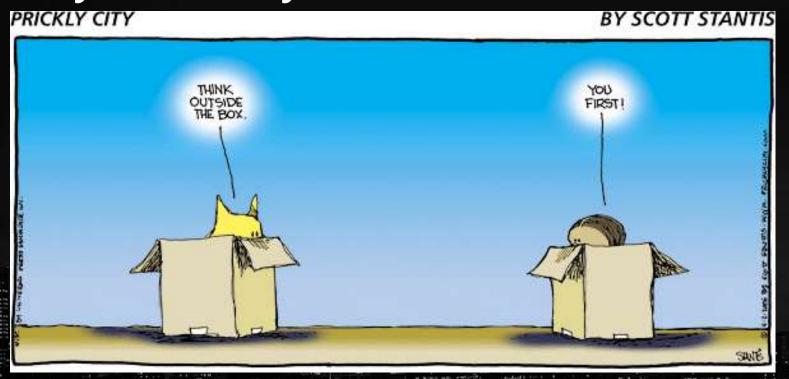
agree that if they do not embrace IT TRANSFORMATION, their firm will no longer be COMPETITIVE in their market (10% increase vs. 2017)¹

Are you ready for CHANGE???





Are you ready for CHANGE???





Transforming your business Workforce **Transformation** Users **Applications Digital Transformation** 00 Cloud **Transformation** _ ... **Networking** Infrastructure **Transformation**







Consumption

Services

La Revolución de la Conectocracia



Data Center Networking Trends

25G in Rack



200/400G Fabrics



Hyper convergence



Server Refresh Cycle (14G)

Fabric transitions to 200G/400G (cost)

Increase in east-west Network IO

Telemetry in Packet Headers (In-Band)

Data Center Networking Trends Software Defined Networking



Network Virtualization

Data Center
Interconnects (DCI)

Disruption by Merchant Silicon

Multi-tenant Security



East-west Firewalling (service chaining)

Machine Learning Clusters



High Performance Fabrics (ROCE)

Our vision and strategy - Open Networking



Disrupting the fundamental economics of networking through open, standards-based technology disaggregation — addressing the gamut of environments from hyperconverged to hyperscale.

Dell EMC is challenging the networking status quo

Traditional Networking

Open Networking

Proprietary architectures

Proprietary software

Proprietary ASICs





Investment protection

Innovation velocity

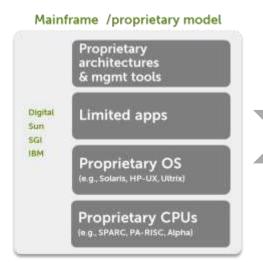
Business agility

Shifting the paradigm



Compute paradigm **shift** over last 20 years

The disaggregated server model changed the landscape





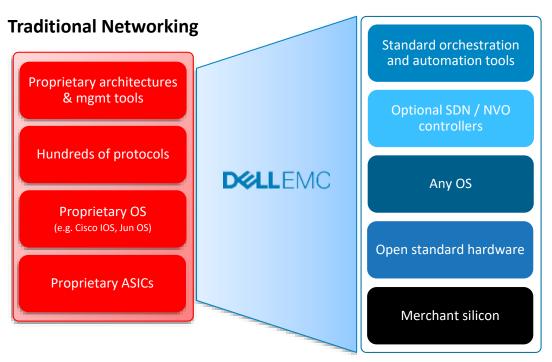
Benefits

- Open Choice for customers
- Rapid Innovation at every layer (CPU, OS/Hypervisor, Applications, Middleware ...)
- Best of Breed solution to meet your needs
- Rich ecosystem for all use cases
- Cost-effective solutions



Dell EMC Fueling the **Open Networking** revolution

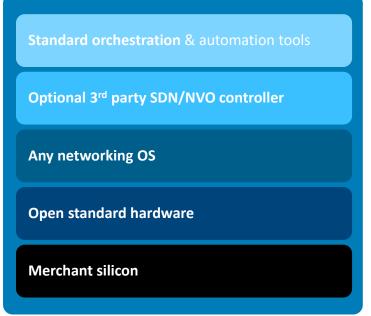
The Future of Networking



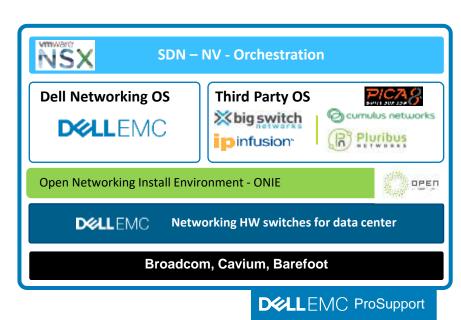


Making the open networking shift work for you

Leverage open, innovative and best-of-breed solutions for the data center









Why Open Networking?



Array of Choices

Several options to choose the right OS for your workload



Open **Architecture**

A scale-out leaf-spine softwaredefined architecture instead of 3-tier traditional networks



Re-purpose HW & SW

HW can be replaced to take advantage of merchant silicon inventions keeping the same SW. SW can be replaced keeping the same HW.



Standardize HW

Opportunity to standardize on **HW** not requiring fork-lift upgrade



Lower **TCO**

Reduced CapEx and OpEx compared to traditional Incumbent infrastructure



Investment **Protection**

Open and agile scale-out deployment to address future growth

Evolution in Open Networking

Traditional Networking

Networking OS



HW platforms

Aggregated HW and NOS



Networking OS

HW platforms

Disaggregated HW and NOS





Micro-Applications

Networking BASE OS

HW platforms

NOS.

Disaggregated HW and NOS. Further disaggregation of NOS and micro-apps

Last several decades

Since 2014

Dell was the first to offer this model

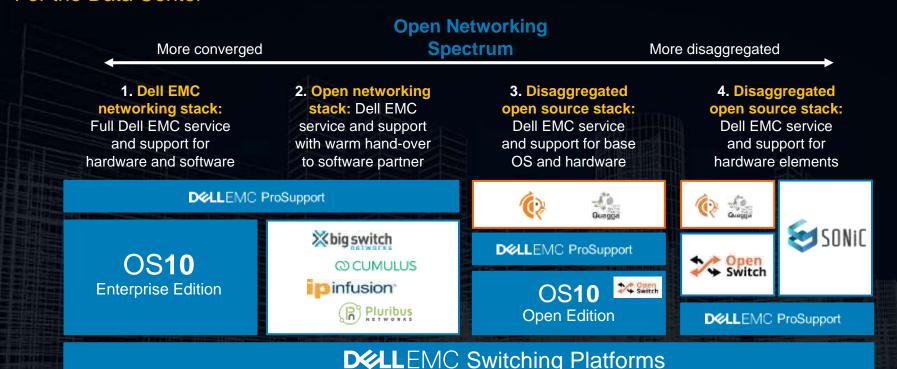
2018 onwards
Dell is the first to offer this model





The most complete and open SDN framework

For the Data Center



OS10 Open Edition = OpenSwitch



Executing on our vision of an open network

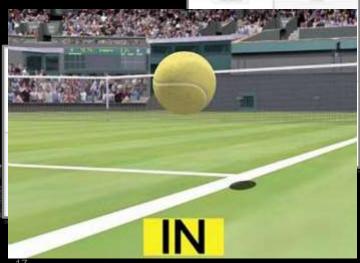
End-to-end 2018

Gartner

Data Center Magic Quadrant Data Center Networking

All organizations should shortlist Dell EMC, particularly those interested in open networking

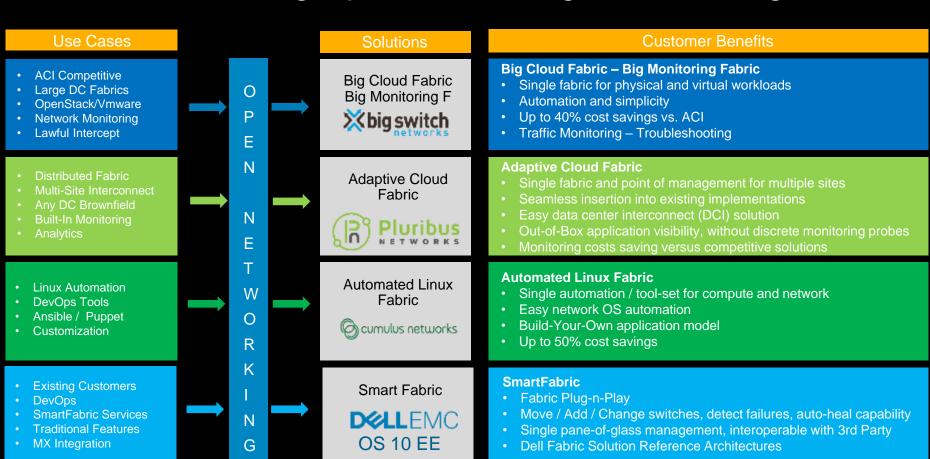
2015





As of July 2018

Dell EMC Networking Open Networking SDN Offerings



Networks are like Parachutes...

They work best when they are OPEN





Muchas gracias por su atención

