

Evolution of Data Centre Networking

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colt

Colt – The Information Delivery Platform

- 46,000km EU Fibre network / 37,000 transatlantic
- 23 countries / 41 metros / 192 connected cities
- 20 Colt owned data centres / 19,800 connected buildings
- 500+ NNIs / customers in 79 countries
- MEF / ONF / NFV Member



Looking back: 10+ years of DC-net and DCI

External

- Internet
- Dedicated HSS (e.g. SAN/FC)

- IPVPN
- Ethernet
- Internet
- Dedicated HSS

- Internet
- Ethernet
- **Optical DCI**
- BW Flexing

Past

Now

Future

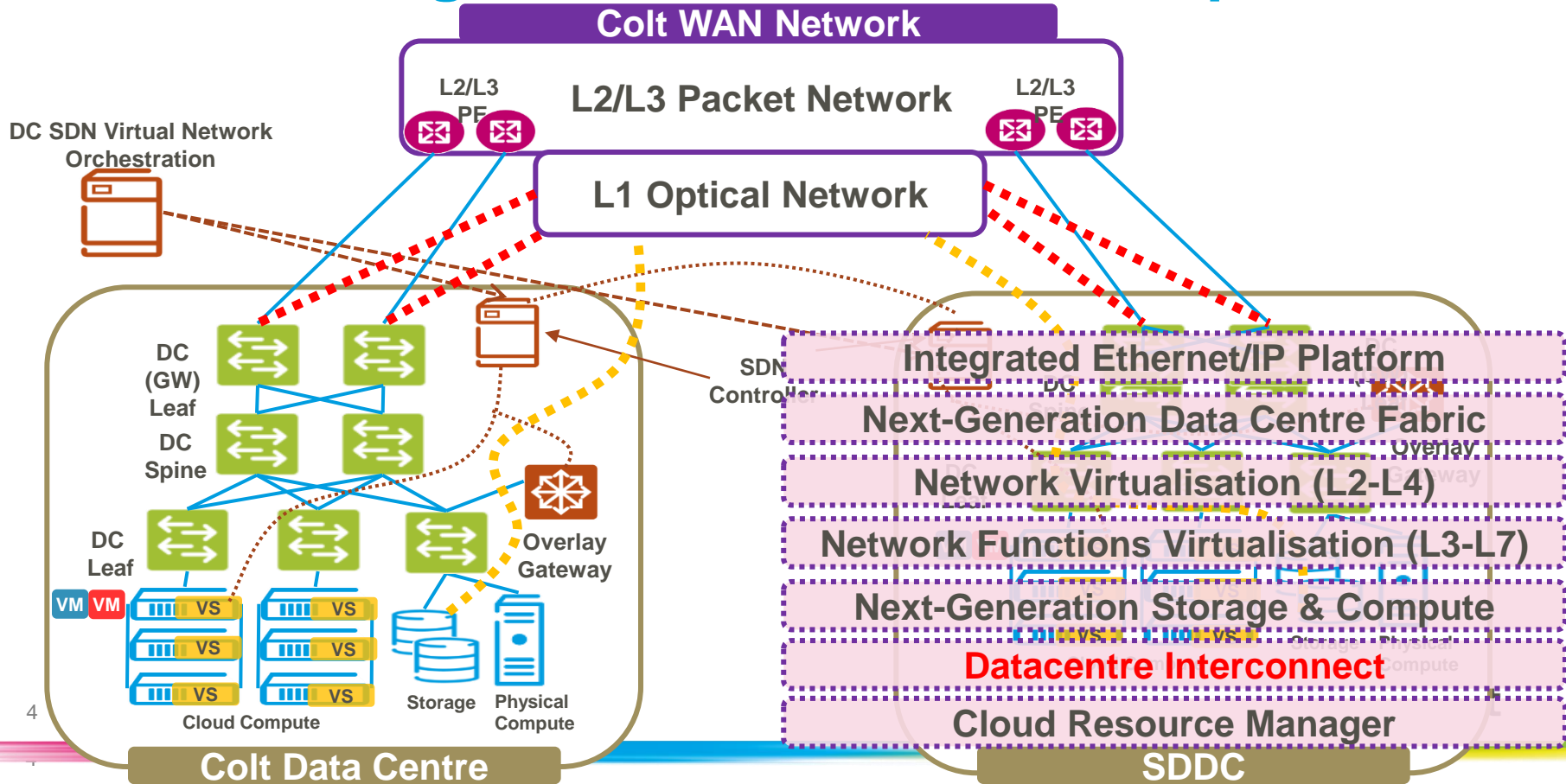
Internal

- Campus model
- STP/VLAN/etc
- 1G

- Leaf/spine model
- SDN overlay
- 10G

- Full SDDC
- 40G/100G
- NFV
- Power/TI

Colt IDP: Integration of network & compute



Thank you. Questions ?

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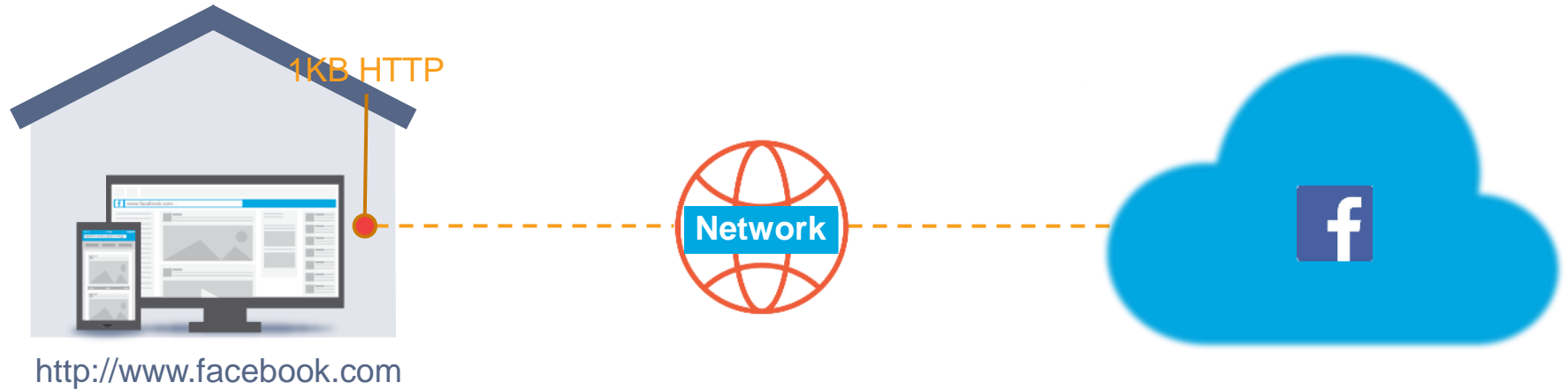
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Data Center Interconnection and the Need for Speed

Mike Capuano, VP Marketing

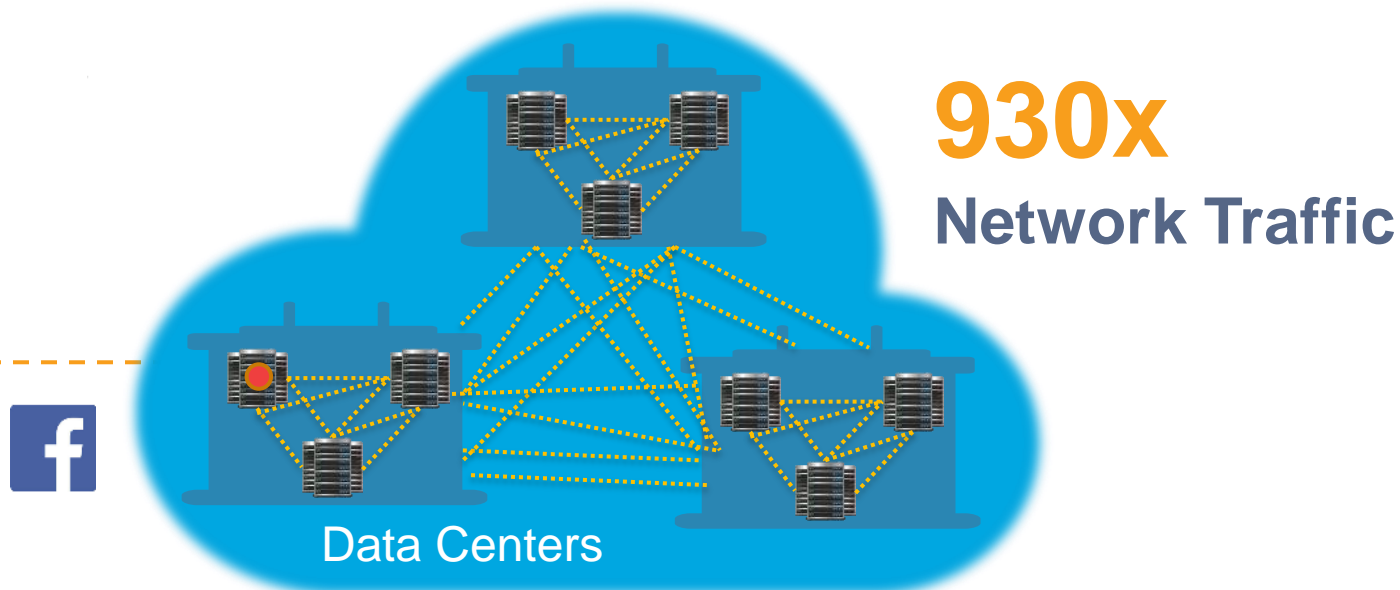


Reaching the Cloud – Business as Usual



Source: Facebook

Inside the Cloud - Network Multiplier Effect

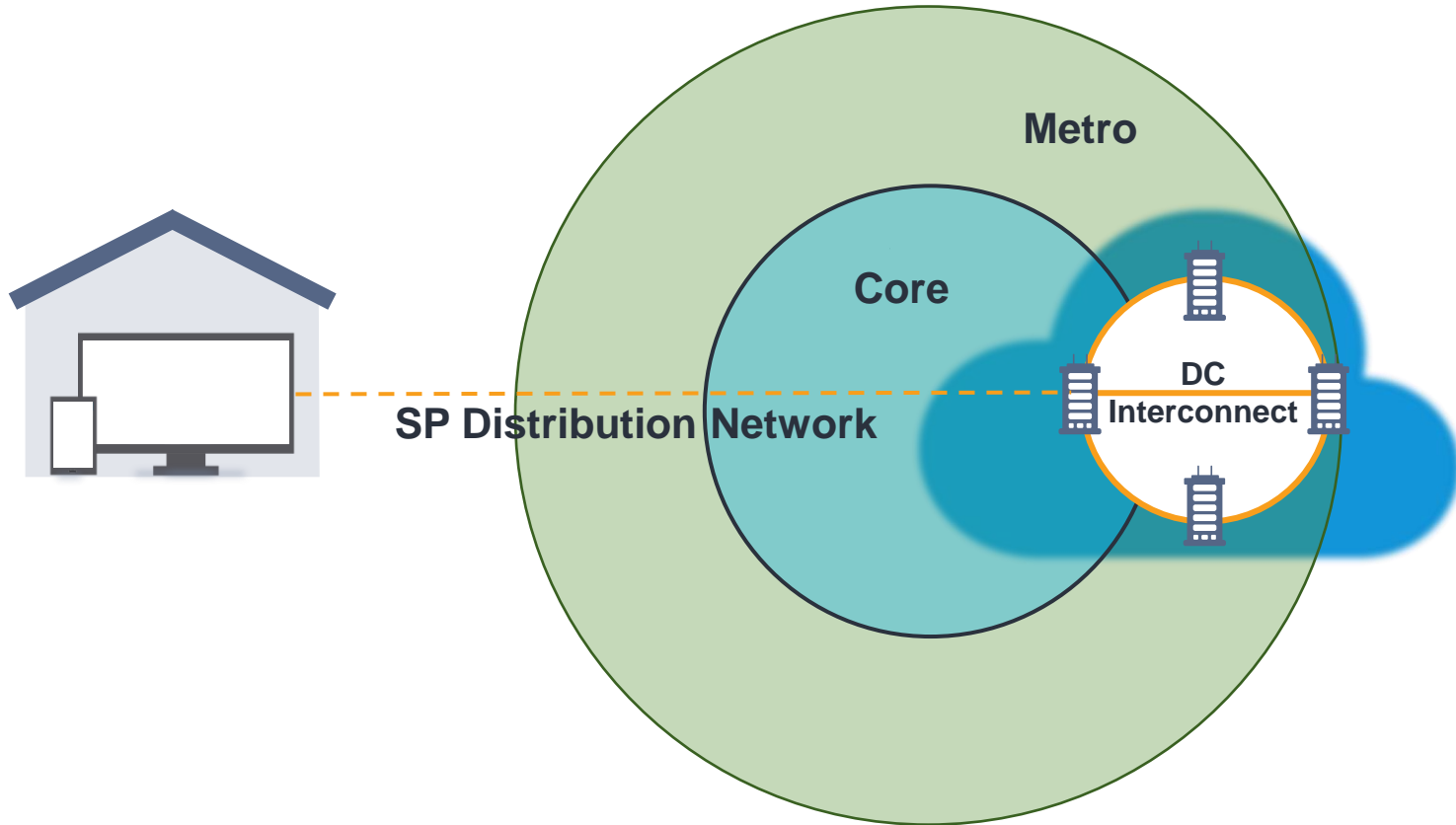


Distributed Compute Model

All Cloud Providers Starting to Experience
Increasing amount of East-West Traffic

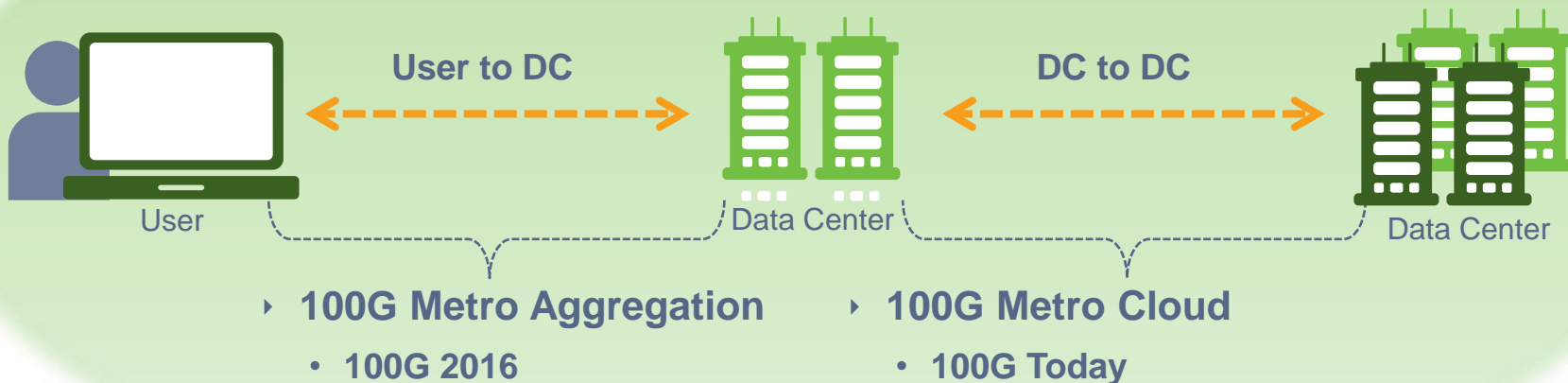
Source: Facebook

Transport is Fundamental to the Cloud

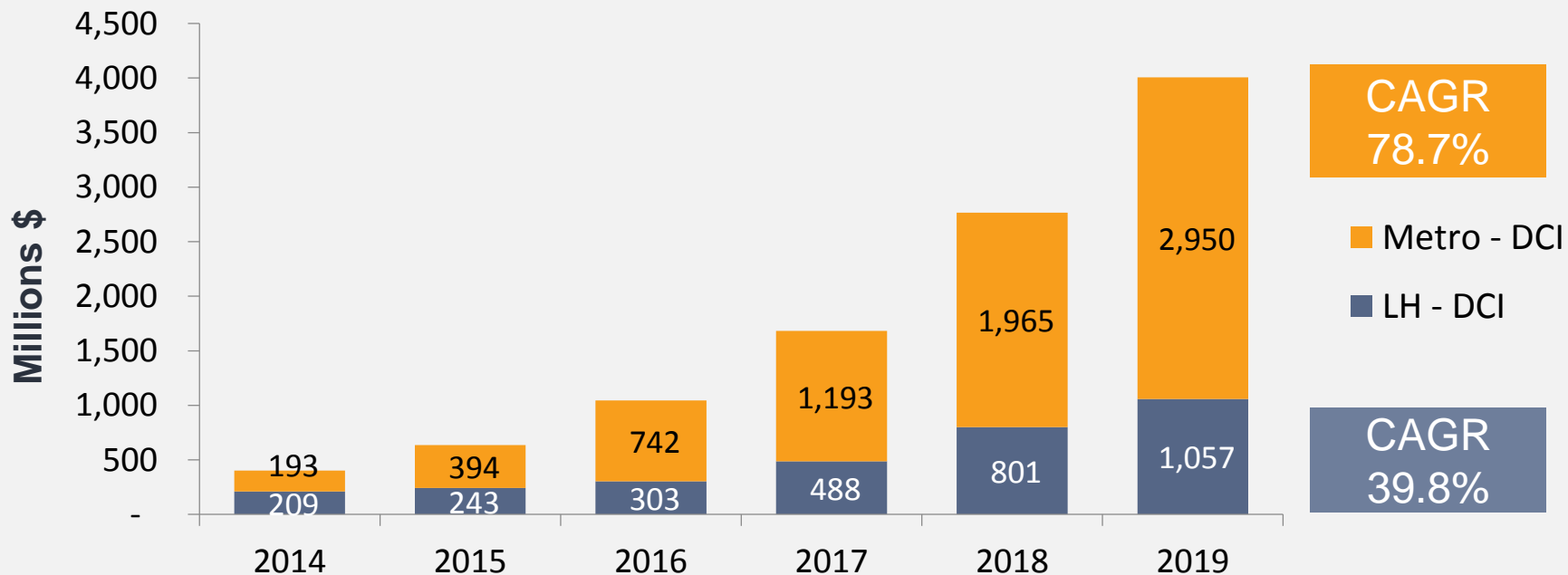


Two Distinct 100G Metro Markets

High Capacity 100G Metro



Global Metro Cloud \$3B by 2019

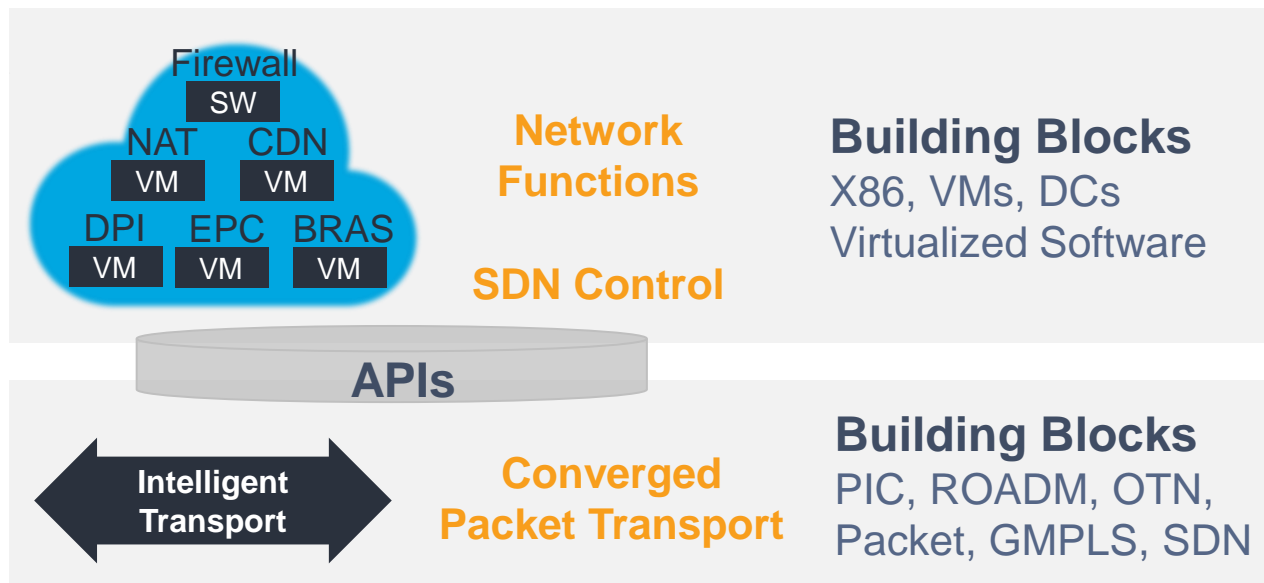


Intelligent Transport (Optical) Becomes More Strategic

Old Model



New Simplified Model



Innovation from Core to Cloud for Intelligent Transport

Purpose built for
the metro cloud



NEW!
Cloud Xpress

Hyper-scalability, simplicity
power efficiency

Converged Packet +
Optical + SDN



NEW!
Packet Switching Module
with SDN for DTN-X

Industry first with packet
switching into super-channels

Thank You

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