



Build hybrid/multicloud architecture using private connection to Oracle Cloud

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Architecture

Presented on: October 2, 2017

Our lack of flexibility is hurting us more than we know, and the pain is growing exponentially.

85019

CAT 165 2916

Kodacolor II

CAT 165

Kodacolor II

CAT 165 291

Kodacolor COLOR NEGATIVE FILM

0.9/1983

35019

CAT



camera

KODAK INSTAMATIC X-15

C126-12

Kodacolor II



POSURES

26-12

acolor II COLOR PRINTS

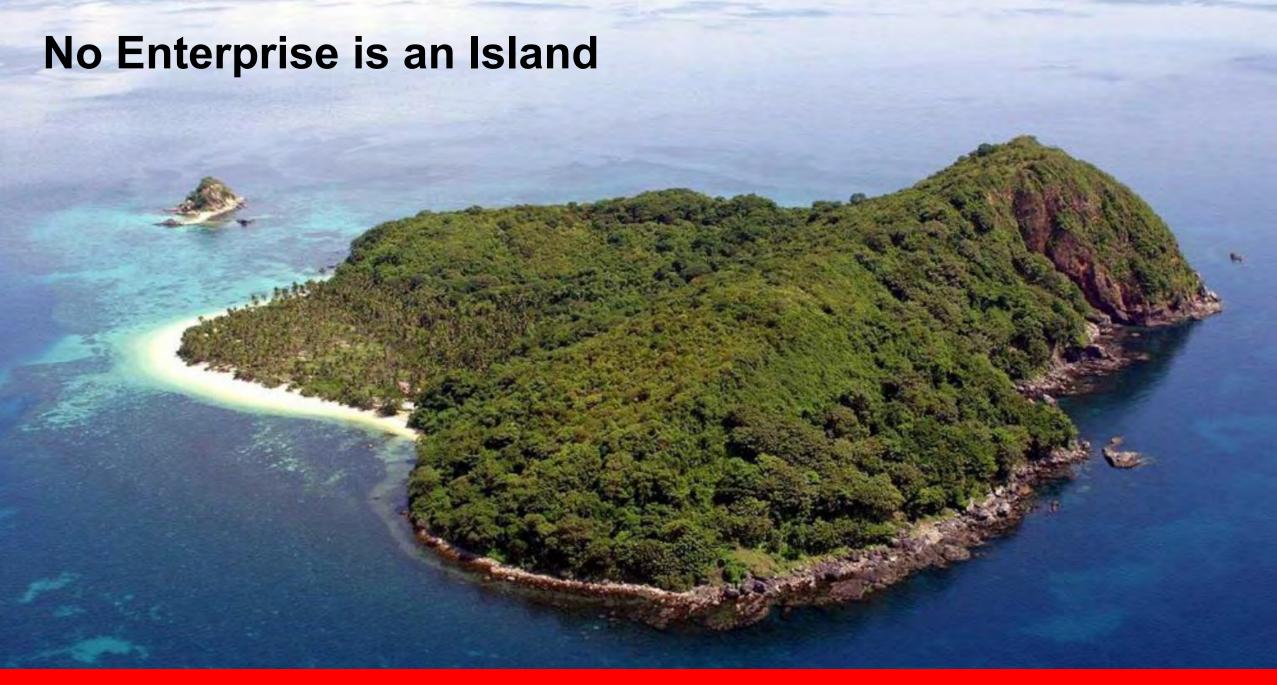
XPOSURES

26-12

color II COLOR PRINTS

POSURES 26-12

Stefan Powell - https://www.flickr.com/photos/duchamp/



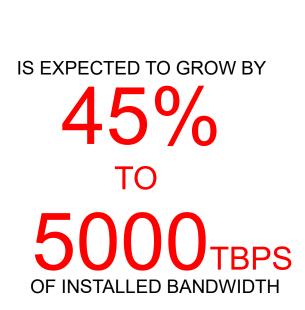


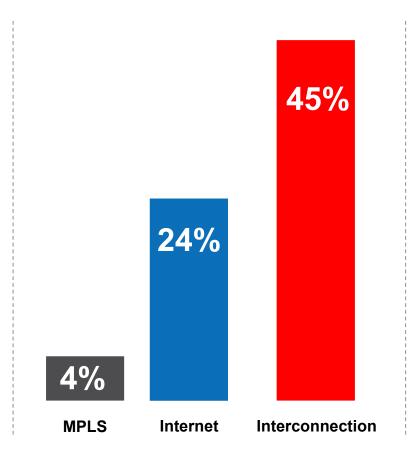
By 2020, the Global Interconnection Index predicts Interconnection Bandwidth will outpace the growth of internet traffic by 2X and 6X the volume

INTERCONNECTION BANDWIDTH GROWTH...

...IS EXPECTED TO OUTPACE THE GROWTH OF INTERNET & MPLS TRAFFIC

5000 TBPS OF INTERCONNECTION BANDWIDTH IN ONE MINUTE COULD CONCURRENTLY PROCESS



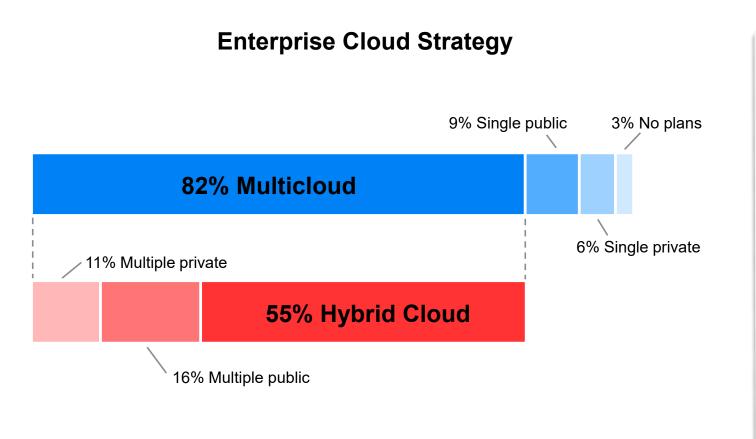


1.9B	PAYPAL TRANSACTIONS
4.5M	UBER DRIVER STREAMS
50B	IOT DEVICE STREAMS
18.8B	EMAILS WITH ATTACHMENTS
938K	CORPORATE TRAINING VIDEOS
837M	UCC CALLS
825M	DOCUMENT UPLOADS
35M	PRE-PRODUCTION 4K VIDEO STREAMS

Interconnection Bandwidth is defined as the total capacity provisioned to privately and directly exchange traffic with a diverse set of counterparties and providers at distributed IT exchange points

Enterprises Continue to Adopt Hybrid and Multicloud

A majority of enterprises have hybrid and multicloud strategies already in place



Hybrid Cloud

 55% of enterprises have a hybrid cloud strategy

Multicloud

- 82% of enterprises have a multicloud strategy
- Cloud users leverage 6 clouds on average

Source: RightScale 2016 State of the Cloud Report

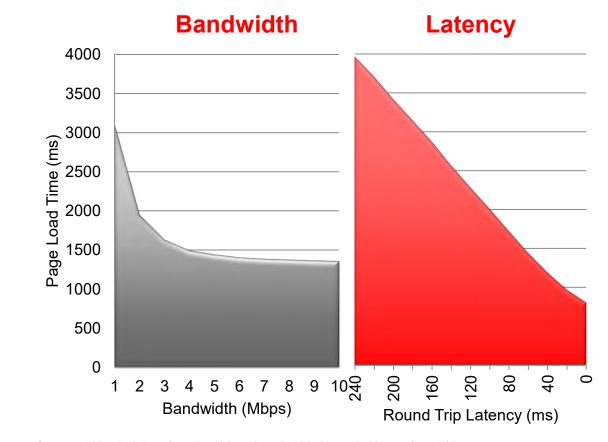


Proximity Matters

Distributed delivery improves performance

Globally distributed service delivery gets you closer to users





Source: Mike Belshe, Google, "More Bandwidth Doesn't Matter (much)"

Oracle Cloud Infrastructure FastConnect at Equinix



On-premises

- Database
- Fusion Middleware
- **Applications**

Cloud at customer

- Cloud Machine
- **Exadata Cloud Machine**
- Big Data Cloud Machine

Connectivity matters

Interconnection drives performance



Application and data portability



Oracle Cloud Infrastructure

laaS

- **Elastic Compute**
- Storage

PaaS

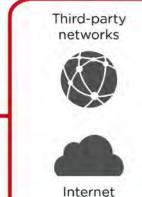
- Database
- IoT
- Java

SaaS*

- **HCM**
- SCM
- **ERP**



FastConnect needs to be verified per application per location basis by local Oracle sales team









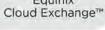




Equinix Interconnection Platform









FastConnect Locations

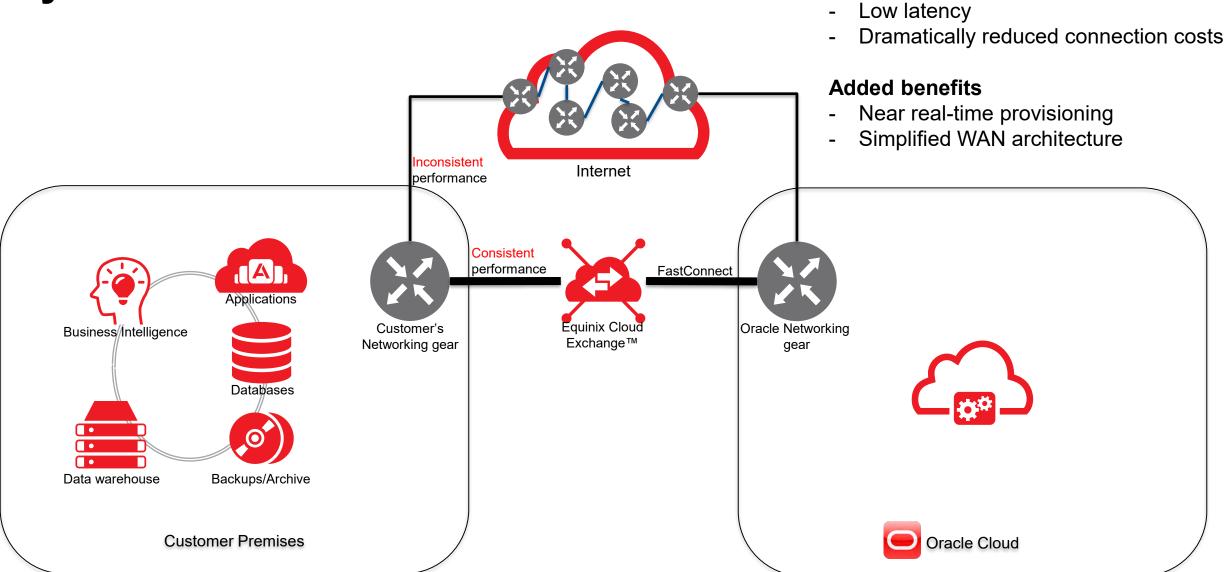
Oracle Cloud Infrastructure





Equinix IBX® Data Center

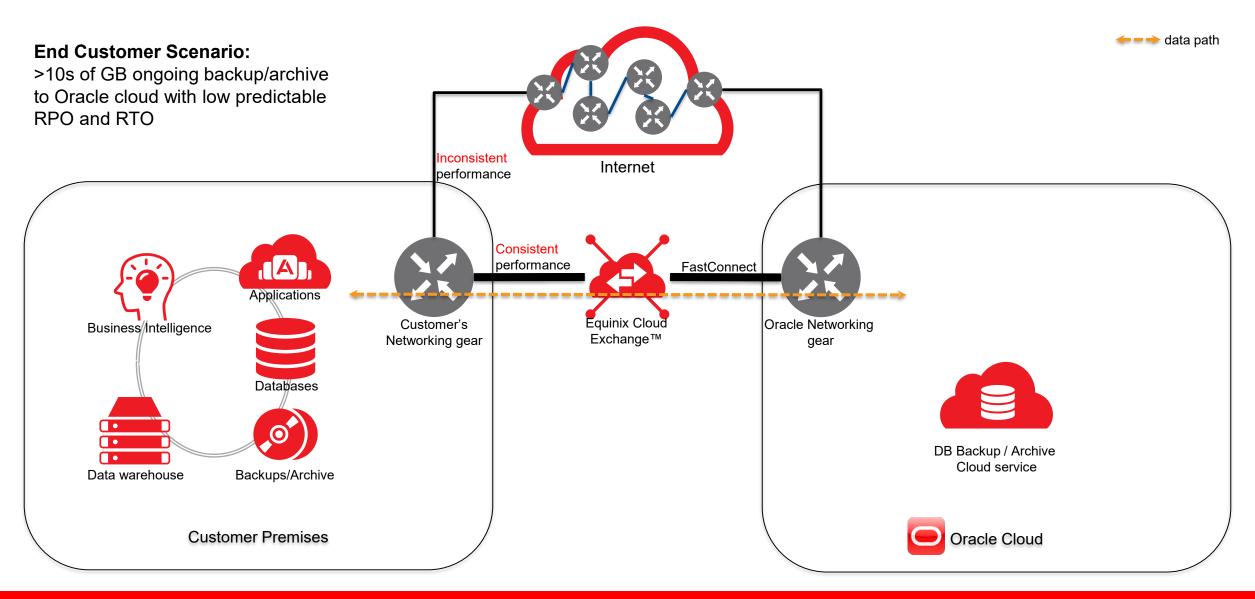
Hybrid Cloud Solutions



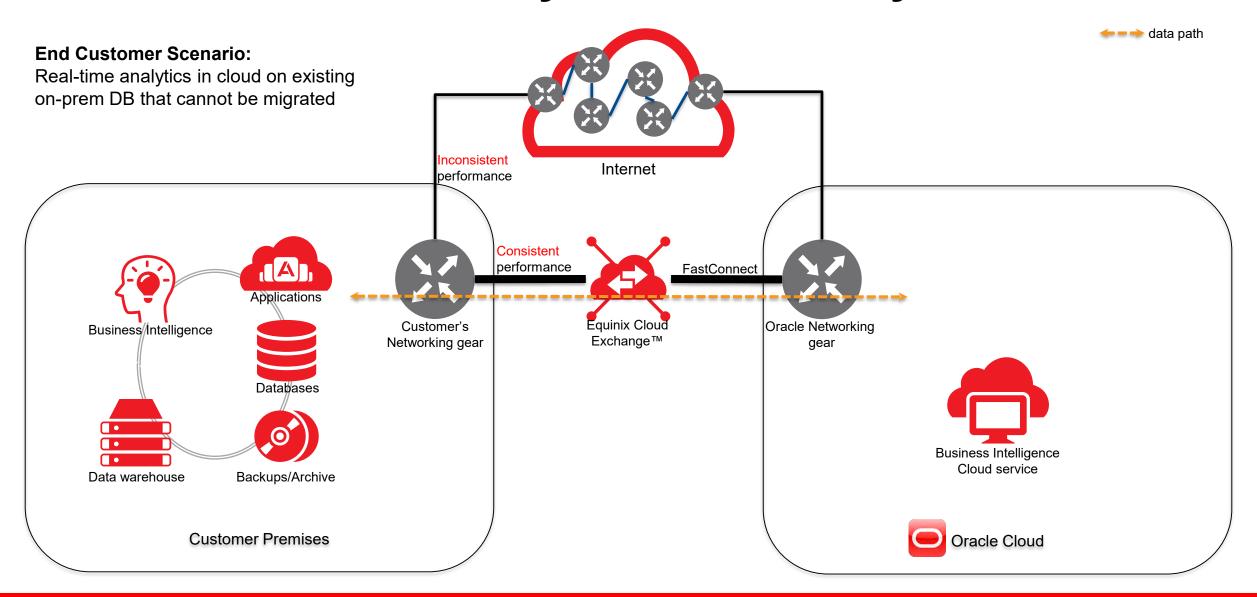
Bypass the public internet

High throughput

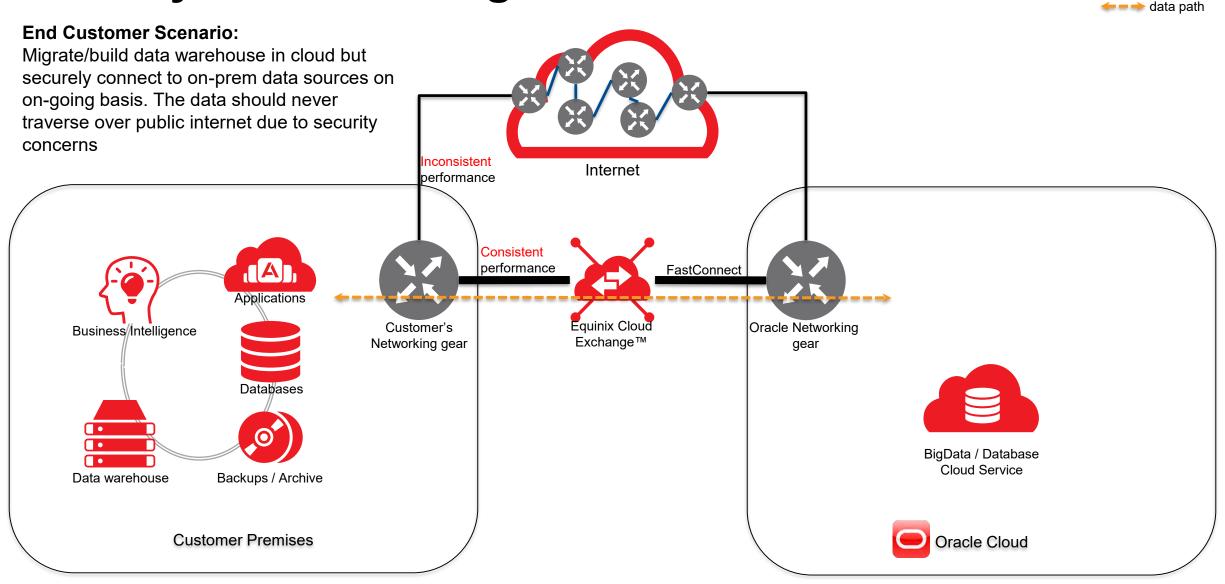
High-throughput Use Case: DB Backup Cloud Service



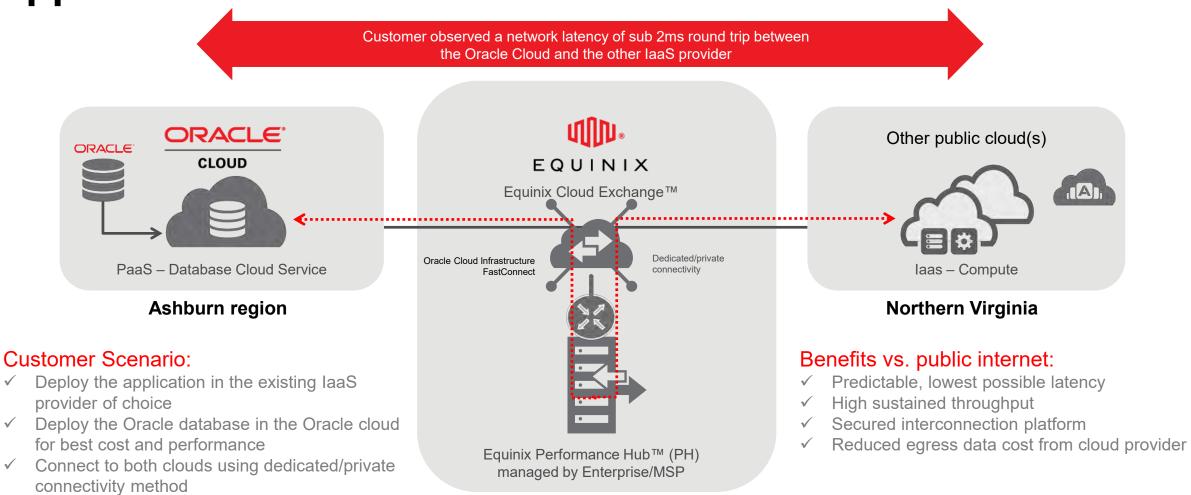
Low Predictable Latency Real-time Analytics



Security Use Case: Big Data/DBCS



Multicloud Case Study: Database in Oracle® Public Cloud; Application in Another Public Cloud

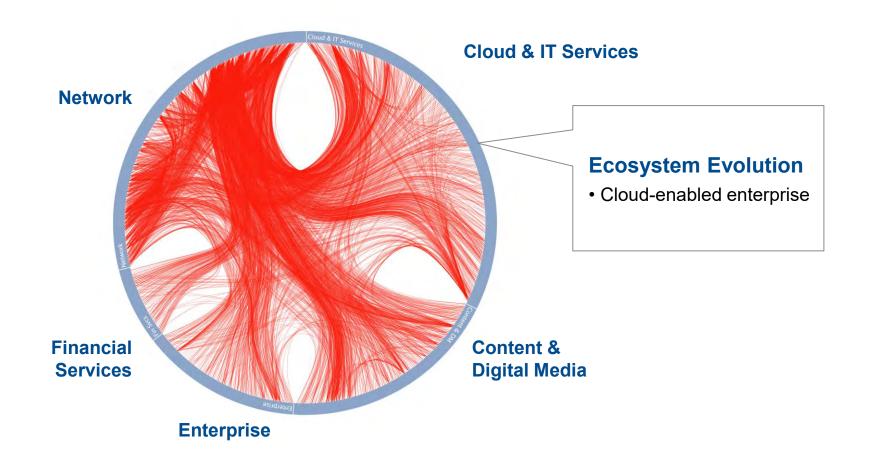


Equinix Washington, D.C. Campus

Ecosystems: Silicon Valley

Rich, cross-vertical connectivity: network, content, financial, cloud and enterprise

Silicon Valley 2010 - Current



Hybrid Cloud Models

Combination of select services leads to hybrid cloud deployment using Equinix Interconnection Platform



Lift & shift

Database



DB upgrades













Big data



Customer Cage in Equinix

Equinix Interconnection Platform

Oracle Services accessed via Oracle® FastConnect



Fusion Middleware

Oracle Applications

Engineered Systems

Big Data Machine

Exadata Database Machine

Enterprise Management

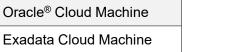


Cloud at customer



Oracle® Cloud Machine

Big Data Cloud Machine













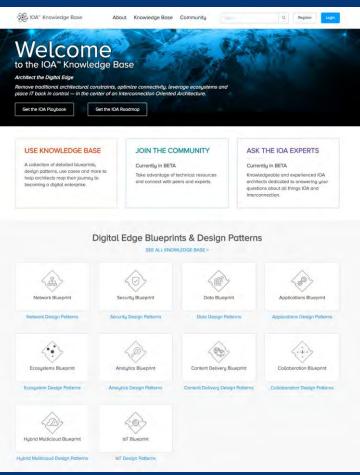
Oracle® Public Cloud

laaS	PaaS	SaaS
Compute—Elastic Compute	Data—Database	ERP
Compute—Container Service	Data—DB backup	Human Capital Management
Compute—Ravello	Big Data/BD preparation	Data
Compute—Dedicated	Management Cloud	Analytics
Compute—Engineered System	Golden Gate	Customer Experience
Storage—NVMe	IoT	Industry Solutions
Storage—Object	API Platform	Supply Chain
Storage—Archive	Business Intelligence	EPM
Cloud Loud Balancing	Mobile	Social

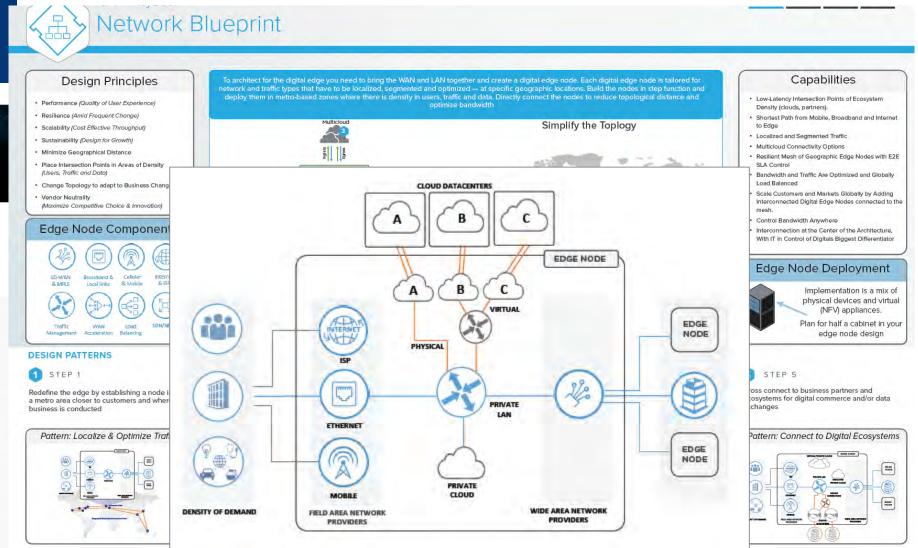
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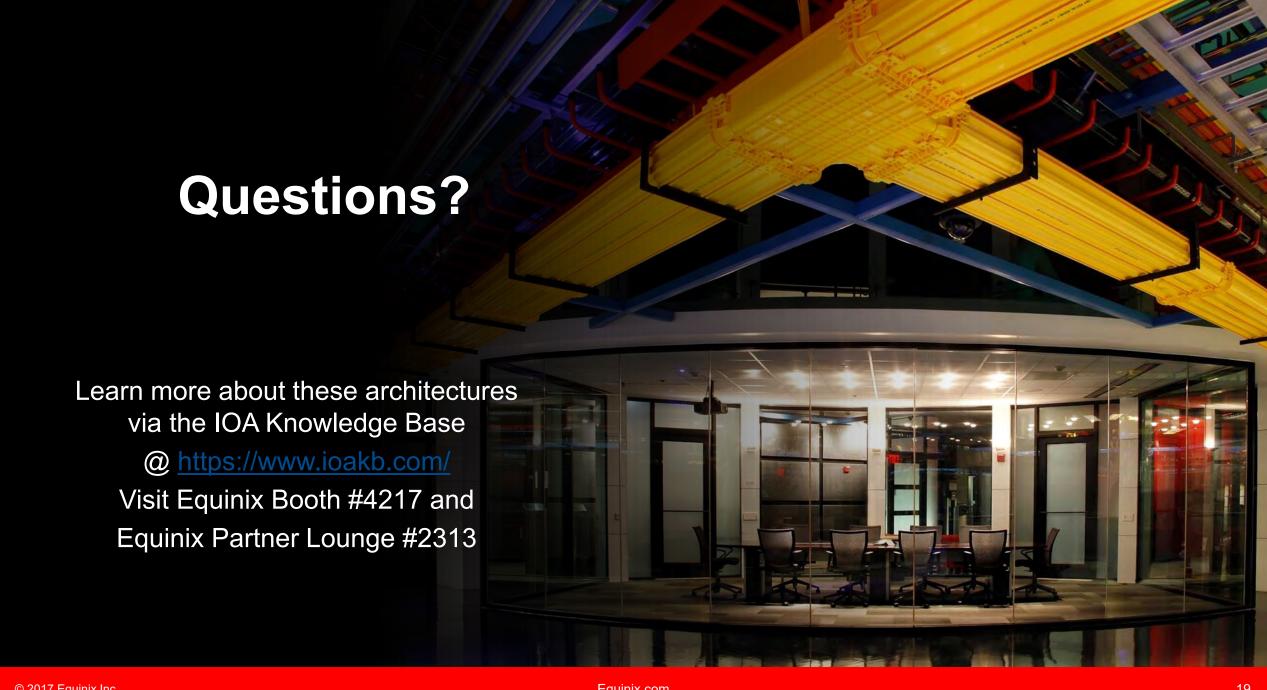
IOA™ Knowledge Base & Community

IOAKB.COM



Designs & best practices available as blueprints and steps in the IOA Knowledge Base







WHERE OPPORTUNITY CONNECTS

Cloud Exchange Locations

Available in 20+ top metros globally

