



Platform **DIGITAL**[®]

Enabling any-to-any distributed network
connectivity at data centers

October 2023



Digital Economy and Digital Transformation

Driving Data Center Demand

Growing and emerging demand drivers that have further accelerated over the past year are driving the need for digital infrastructure globally

Digital Economy & Transformation

Accelerated Digital Trends

Digital Infrastructure Demand

Solid Demand Drivers Which Continue to Grow



Cloud Computing



Enterprise Modernization



Streaming & Social Media



E-Payment and E-Commerce

Emerging Trends with Enormous Potential



Artificial Intelligence



Internet of Things



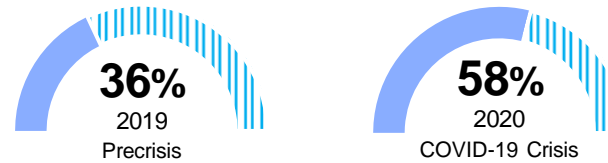
5G Technology



Edge Computing

Digitization of Customer Interactions

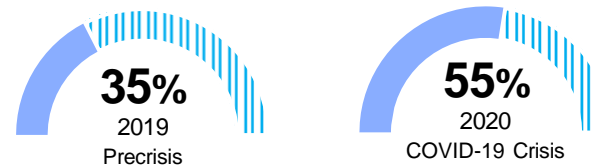
Avg. Share of Customer Interactions that are Digital (%)



Rate of Digital Customer Interactions has Accelerated from Prior Forecasts by ⁽¹⁾ **3yrs**

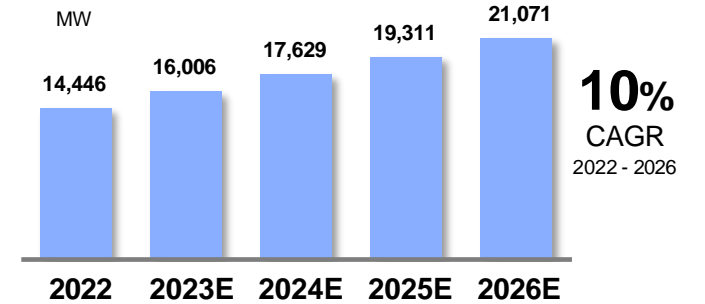
Digitization of Products & Services

Avg. Share of Products and/or Services that are Partially or Fully Digitized (%)

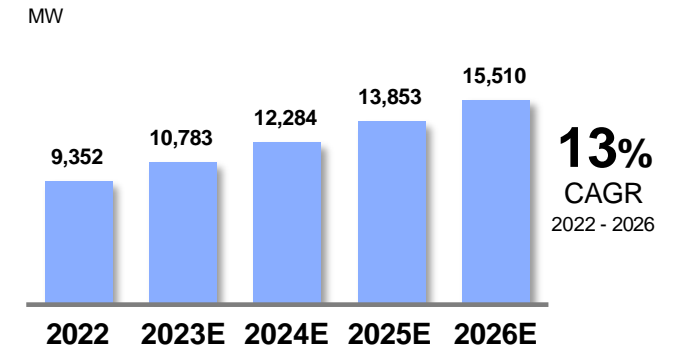


Rate of Products & Services that are Digitized has Accelerated from Prior Forecasts by ⁽¹⁾ **7yrs**

Total Wholesale Leased Global

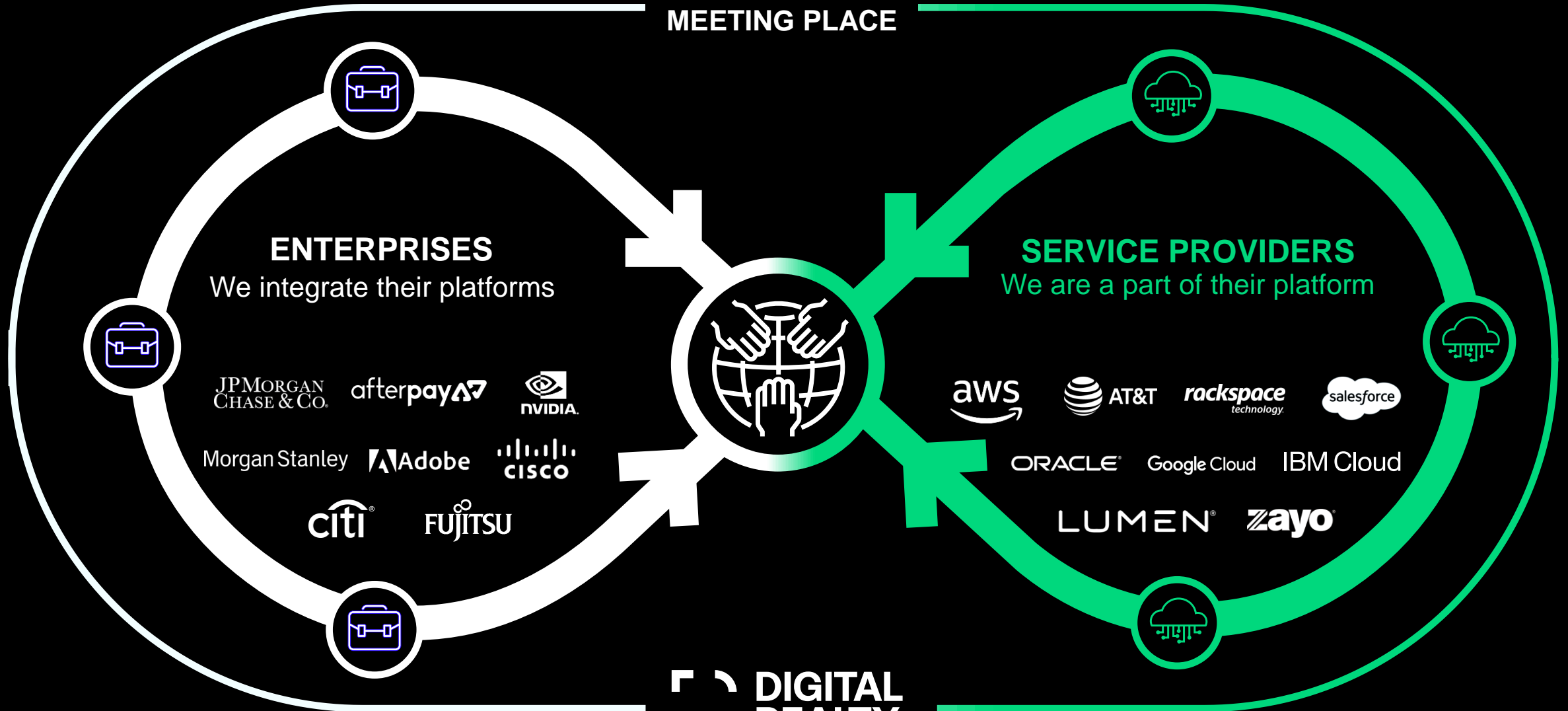


Total Hyperscale Leased Global



Requires a safe and open meeting place to deploy applications, data & controls

THE MEETING PLACE

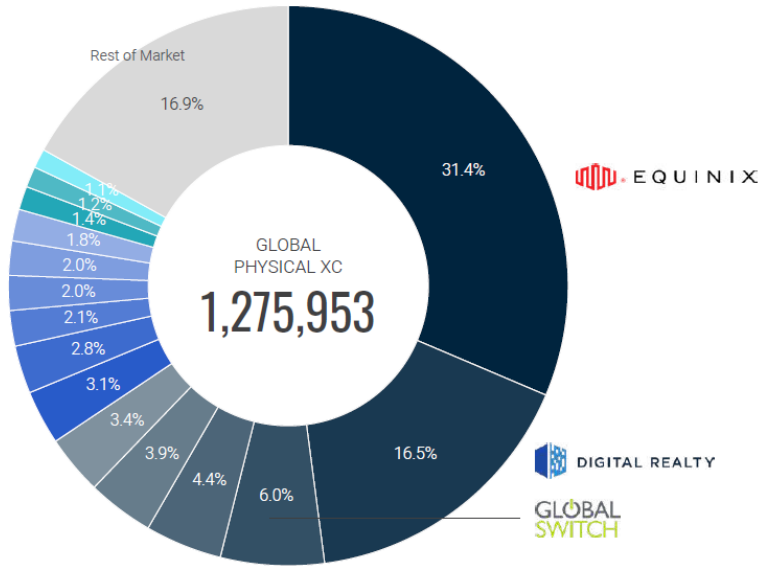


Physical and Virtual Cross Connect Leaderboard: 2022

Top 3 providers account for ~50% of global market (ex. China)

LEADERBOARD

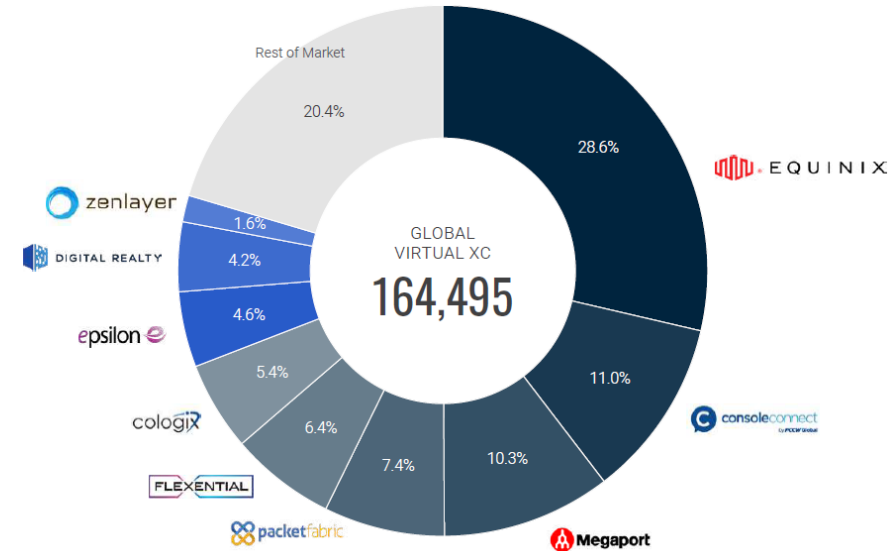
1	Equinix	
2	Digital Realty	
3	Global Switch	
4	KDDI Telehouse	
5	Digital Bridge	
6	Cyxtera	
7	NTT GDC	
8	CoreSite	
9	QTS	
10	CyrusOne	
11	Cologix	
12	@Tokyo	
13	NEXTDC	
14	SUNeVision	
15	Flexential	



Physical Cross Connects

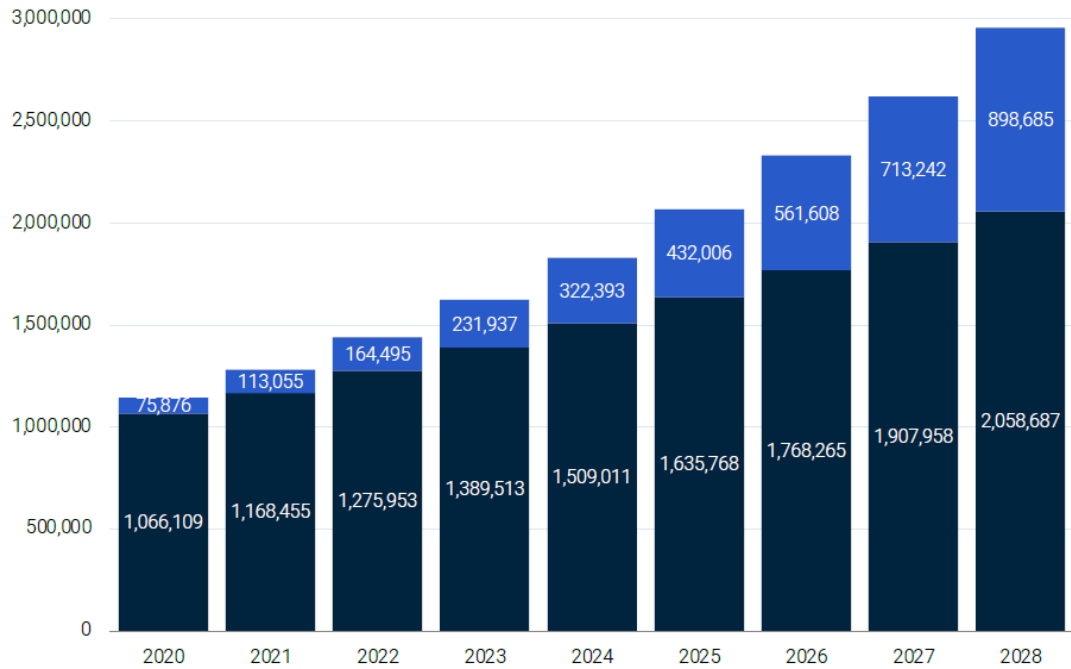
LEADERBOARD

1	Equinix
2	PCCW Global (Console Connect)
3	MegaPort
4	PacketFabric (Unitas Global)
5	Flexential
6	Cologix
7	Epsilon (KT)
8	Digital Realty
9	Zenlayer

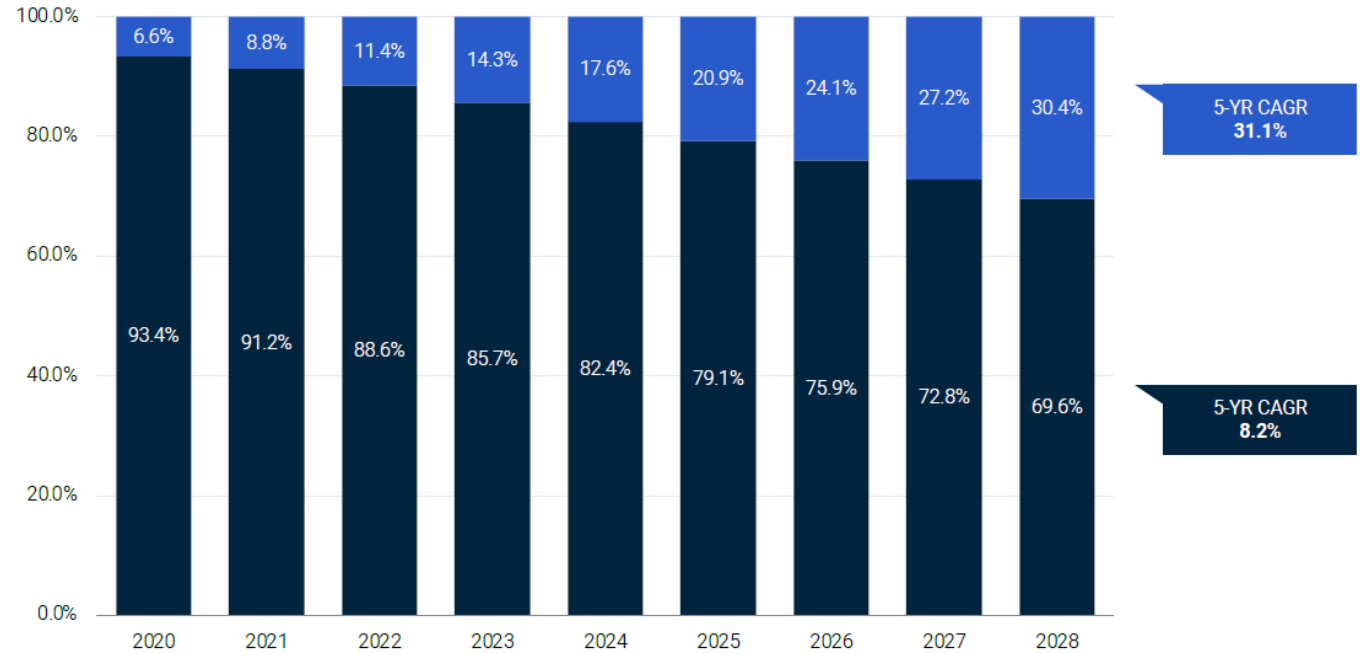


Virtual Cross Connects

Physical vs Virtual Interconnection Market Size and Share



Number of Cross Connects



Percentage of Cross Connects

● Virtual
● Physical

Introducing PlatformDIGITAL[®] ServiceFabric[™]



Partners



Customers



Developers



Orchestration Layer

Portal

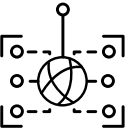
INTERFACE

APIs



Removes **complexity**

Interconnection Layer



Connect seamlessly to **open partner ecosystem services** built on global backbone

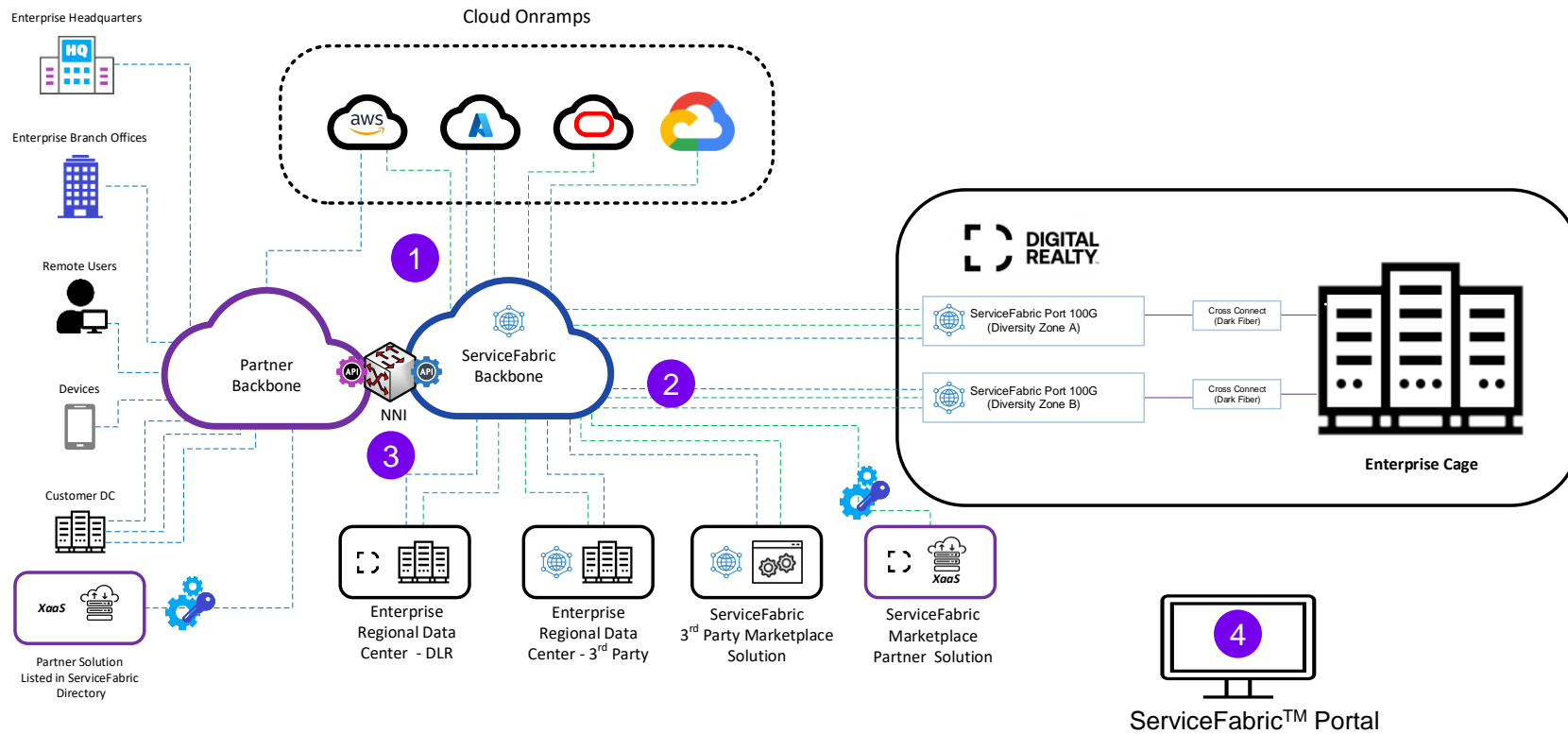
Data Center Layer



Implemented on **best-of-breed infrastructure and services** in multiple metros globally



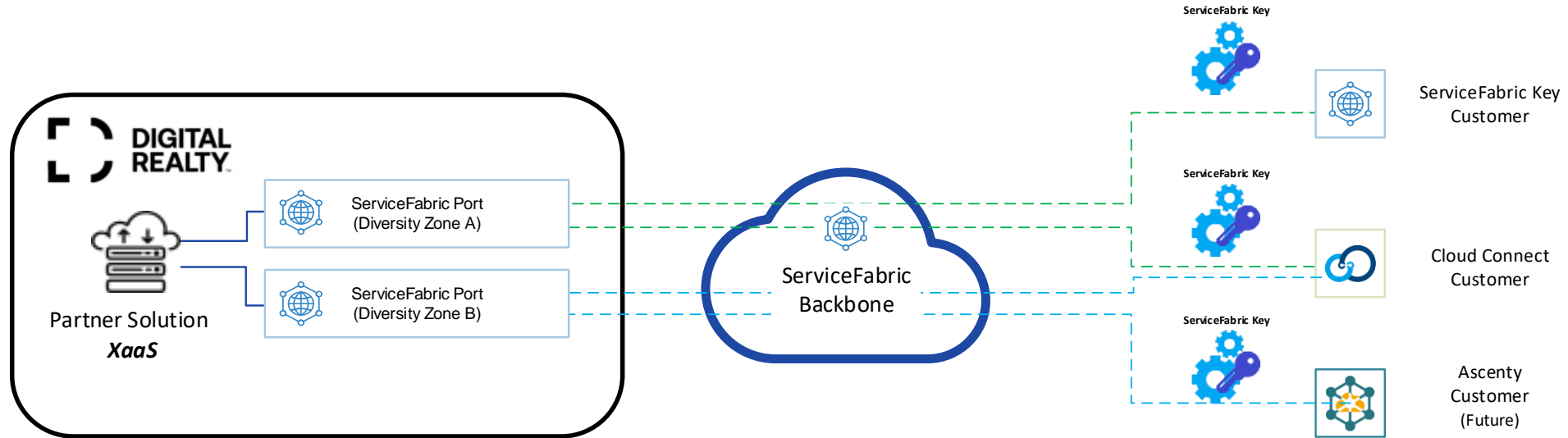
High Level Reference Architecture



Use Cases

1. Multiple partner(s) end-customers create dynamic private connections to Cloud Providers globally via single port
2. Multiple partner end-customers create dynamic private connections to Digital Realty sites globally via single port
3. Integrate partner SDN Offering(s) with ServiceFabric Connect APIs so their offerings leverage Digital Realty and other ServiceFabric partner services

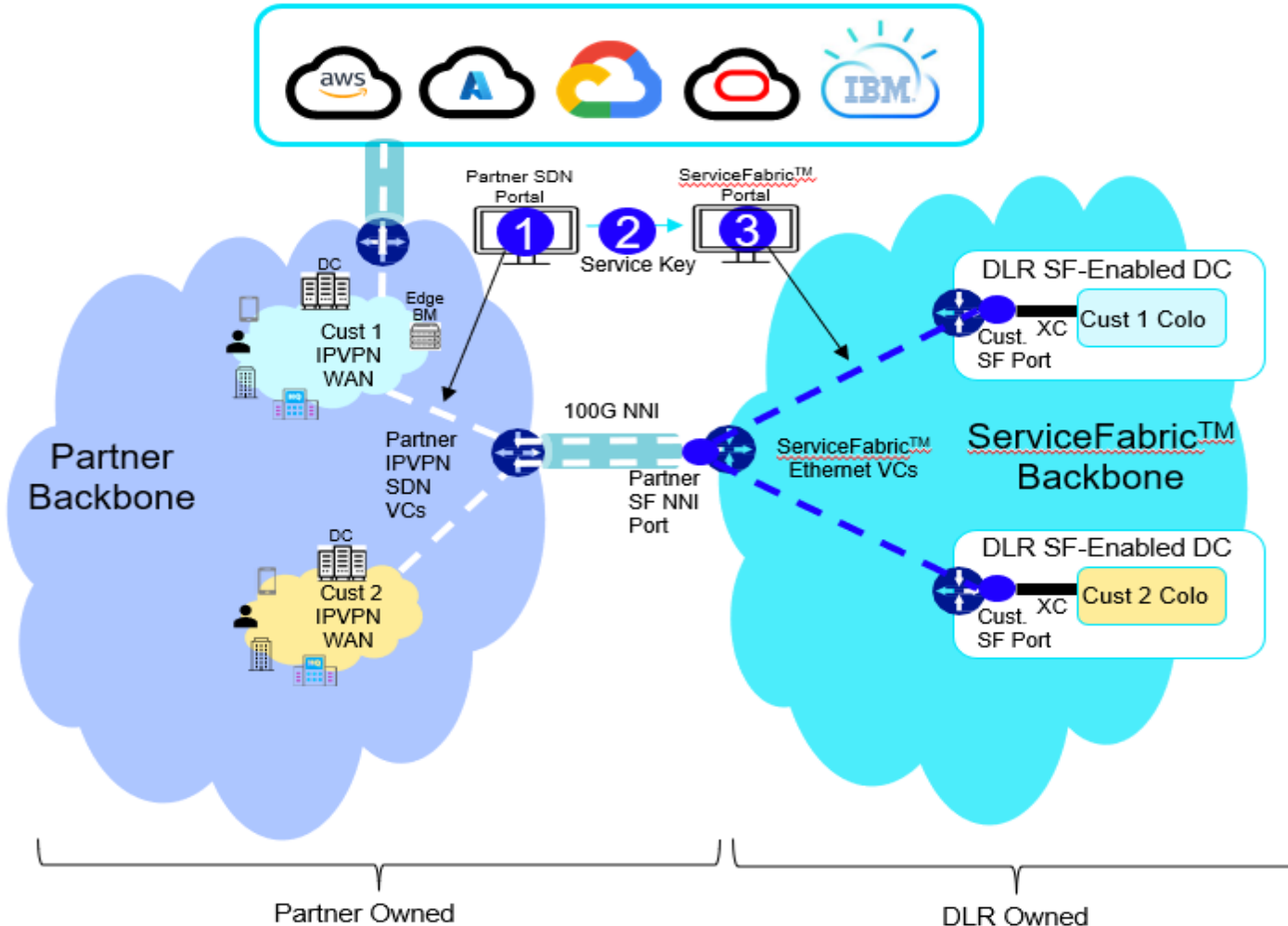
Digital Realty Integrating Our Acquisitions



- Enables partners to add new revenue streams by gaining access to customers throughout the ServiceFabric ecosystem and future 3rd party Network Integration partners
- Customers can provision connections in real-time for fast revenue generation and simple try-n-buy scenarios with minimal integration work
- Partner chooses services to offer, owns the customer relationship for services purchased from them
- Digital Realty owns the customer relationship for ServiceFabric services

Example

Partner WAN Customer SDN to Digital Realty Colo Customer

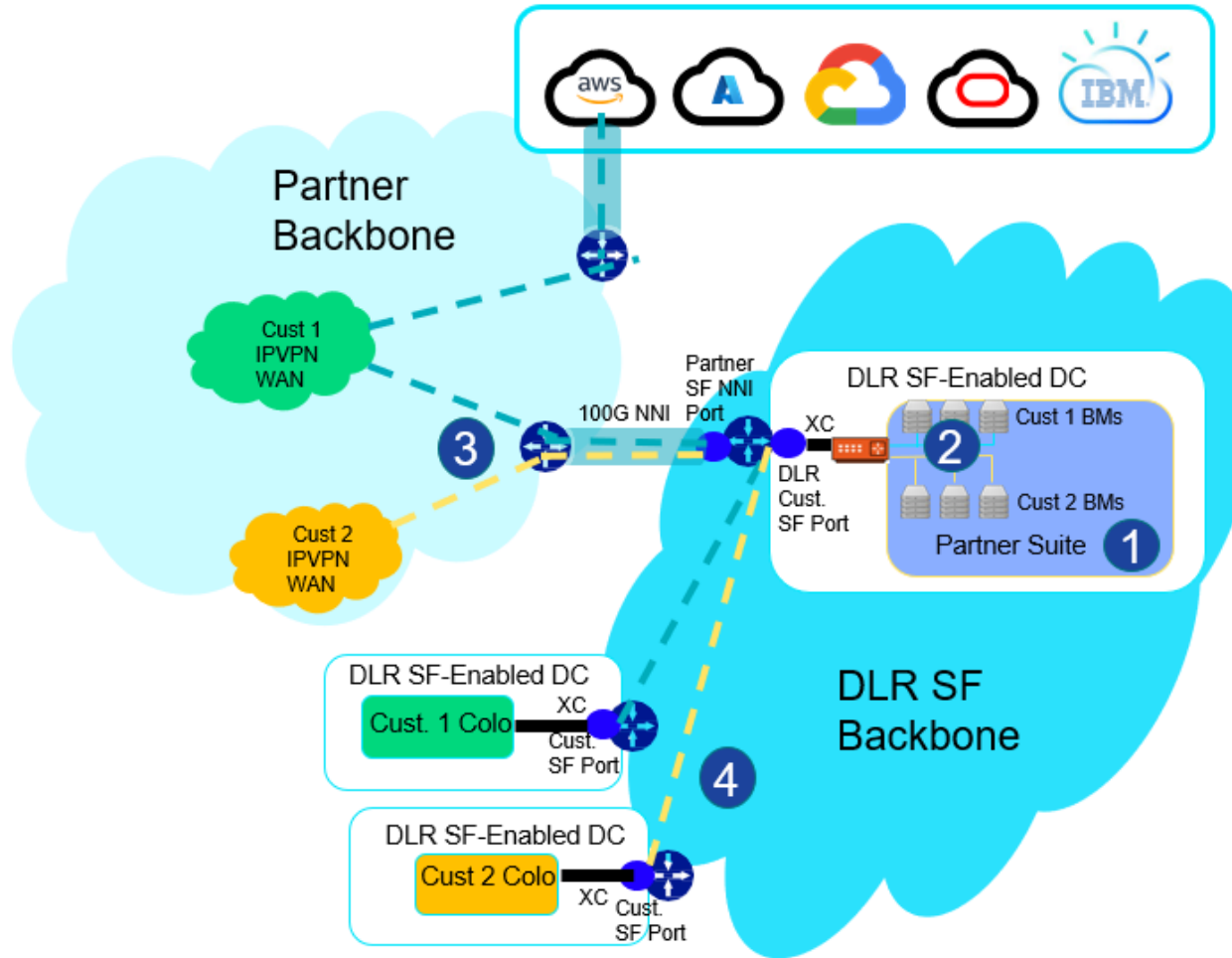


Lessons Learned

- Workflow of connectivity ordering
- Monitoring tools
- Define responsibility between 2 parties
- API Integration takes time.
- Different brands compatibility
- Location of POPs of partners
- MTU Sizes
- VLAN tagging
- System Alerts integration
- Modifying VLAN bandwidths
- Service Key or Manual
- Features do matter

Another Example

Resale and deployment of Partner Bare Metal in DLR Colo



Win a Special Gift!

Scan the QR code and stand a chance to get a gift from our booth



[Read this Hong Kong Data-First guide to meet your business needs.](#)





Thank you

