

Empower Your Edge

For Cloud



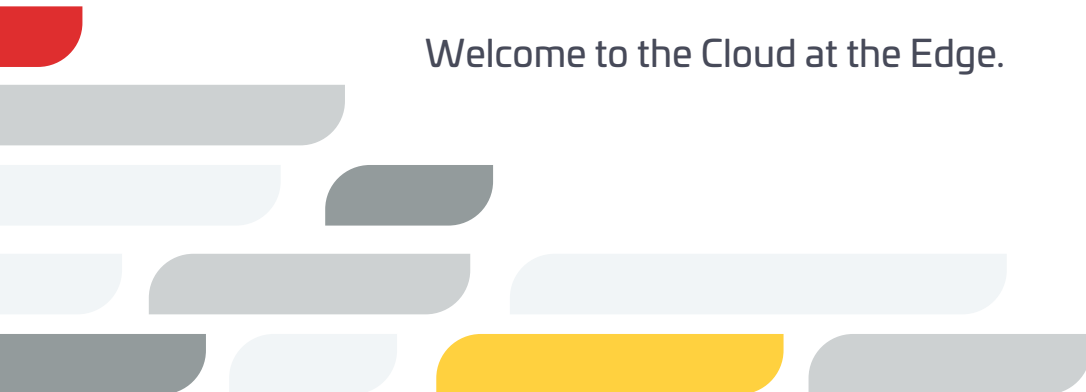
Empower Your Edge: Cloud

While enterprise cloud adoption continues to grow rapidly, a number of significant obstacles remain for enterprise deployments including concerns about Security, Latency, Cost, Expertise and Performance.

A hybrid, multi-cloud strategy is the new reality for most enterprises, and an integrated localized offering that bundles solutions from best of breed providers that helps solve these cloud migration challenges.

EdgeConneX works with leading Cloud & IT service providers to bring their solutions to the Edge, deployed in close proximity to Enterprises so they can easily access secure, local connectivity to the Cloud for any and all of their workloads.

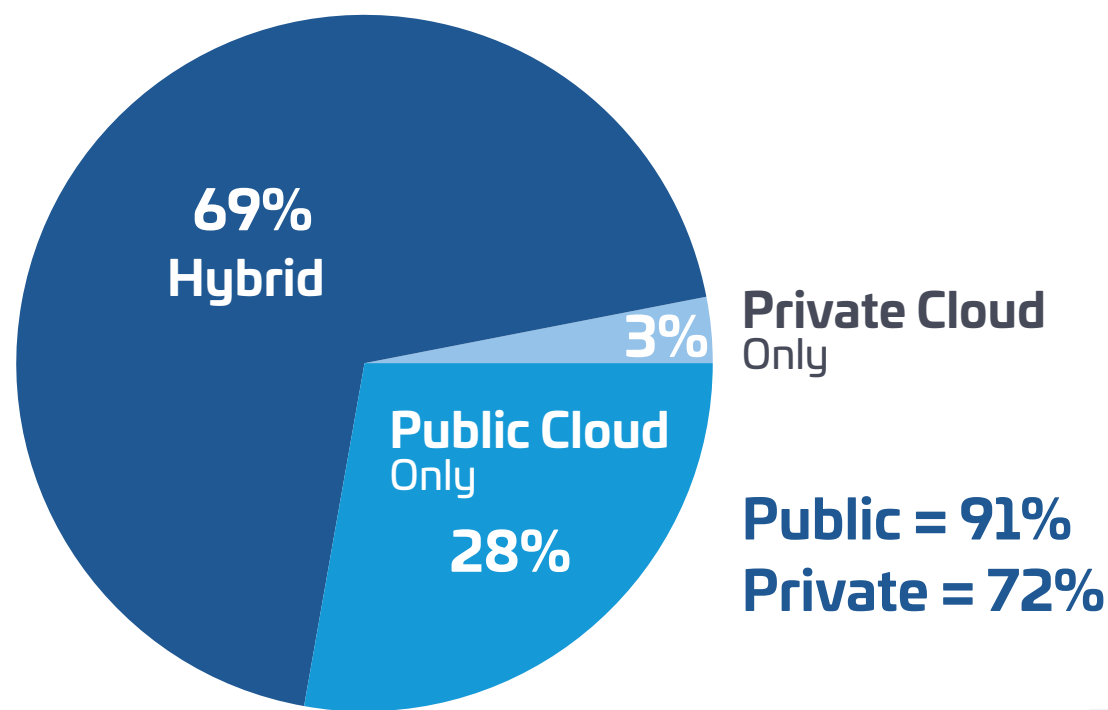
Welcome to the Cloud at the Edge.



The Cloud is Now Mainstream

The cloud offers enterprises many advantages such as agility, scalability, resiliency, and automation. According to RightScale's 2019 State of the Cloud report, **94%** of enterprises surveyed are now deploying the cloud in their businesses. While the cloud is now mainstream for nearly every enterprise, nearly **70%** of companies utilized a hybrid cloud solution as their preferred means of cloud consumption.

94% of Respondents Using Cloud



"...we don't think of hybrid as a stopgap as a move to the Cloud. We think about it as the coming together or distributed computing, where the Cloud and the Edge work together, not just for old workloads, but most importantly for new workloads."

~ Satya Nadella, CEO Microsoft

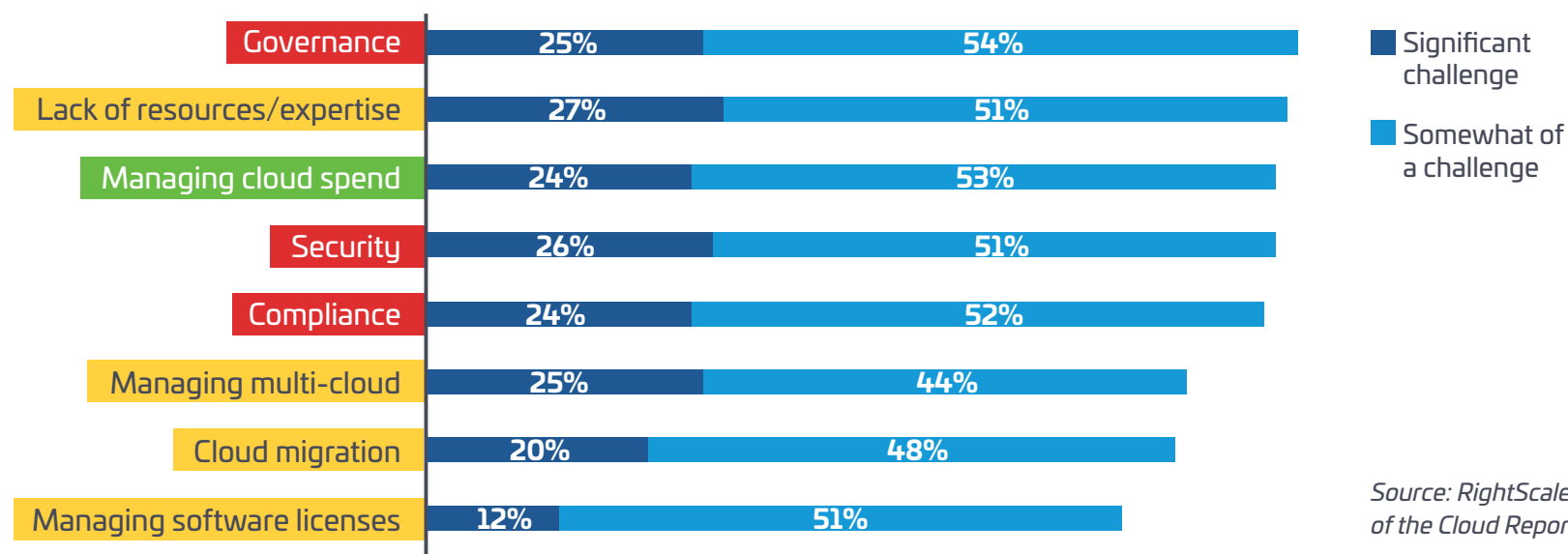
Source: RightScale 2019 State of the Cloud Report from Flexera

Challenges to Enterprise Cloud Adoption Remain

While enterprise cloud adoption continues on an upward trend, a number of inhibitors still remain for a full and complete adoption as noted in the 2019 State of the Cloud survey responses below. EdgeConneX, along with its solution and technology partners, is helping to solve for many of these cloud adoption impediments by bringing the cloud to the Edge with an integrated cloud solution offering.

Cloud Challenges

% of All Respondents



Source: RightScale 2019 State of the Cloud Report from Flexera

Solving for lack of cloud expertise

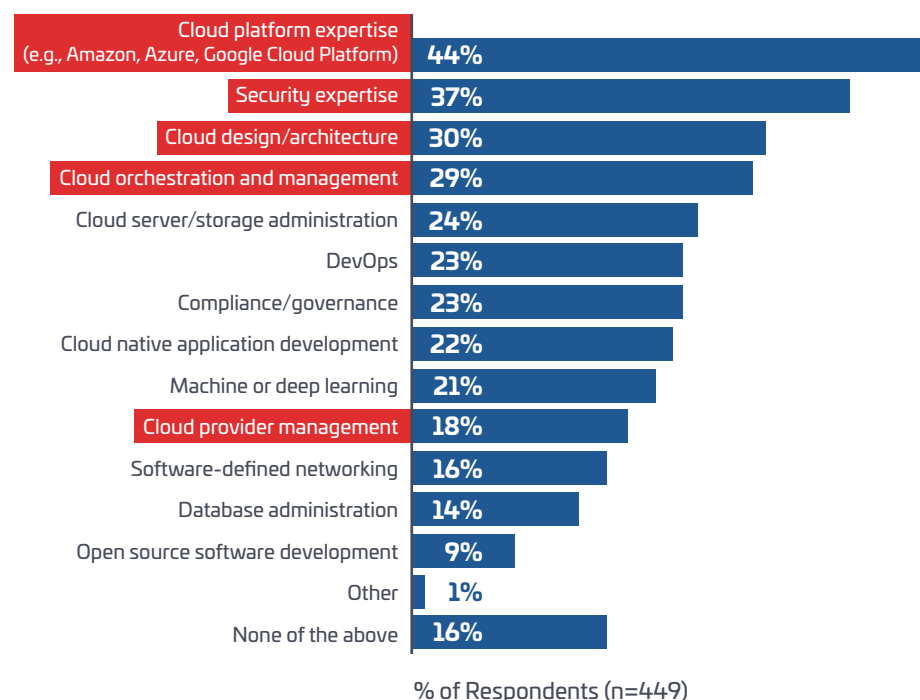
Utilizing a Managed Service Provider or Cloud Enablement Partner can help organizations define and execute on a cloud migration strategy tailored to work for their unique business requirements. MSP's can also help augment internal resources and skillsets that might lack specific expertise.

According to 451 Research, the top skills that Cloud Enablement Partners can help enterprises in their journey to the Cloud are shown below

Figure 3: Skills Sought From Cloud Enablement Partner - Next 2 Years

Source: 451 Research's Voice of the Enterprise: Cloud Hosting & Managed Services, Vendor Evaluations 2018

Q. For which of the following skills is your organization most likely to engage a cloud enablement provider over the next 2 years?



EdgeConneX has partnered with industry-leading Managed Solution Providers (MSPs). These MSPs bring years of experience to each engagement, collaborating, designing and deploying solutions that identify optimal uses for private, public, hybrid, and multi-cloud on-ramp implementations.

EdgeConneX Solution Partners

rackspace

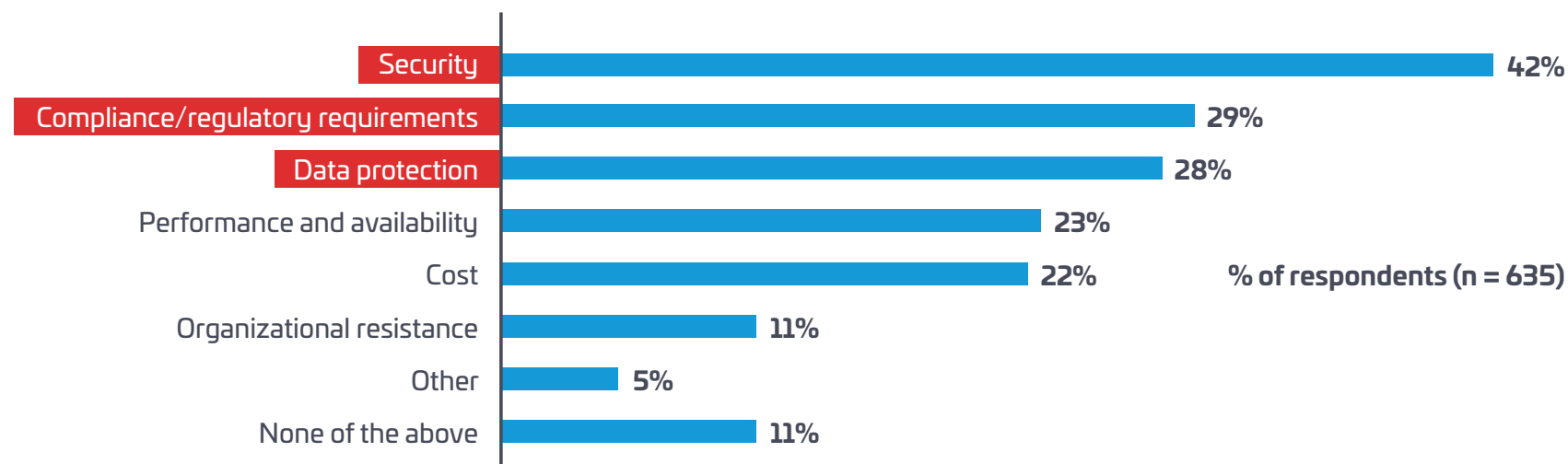
lume
CLOUD SOLUTIONS

UNITAS
GLOBAL

TELNET

Solving for Security Concerns

In a recent survey, 451 Research queried enterprises about the factors contributing to workloads being considered unsuitable for the public cloud.



Source: 451 Research, Voice of the Enterprise: Cloud, Hosting & Managed Services, Workloads and Key Projects 2018

Dedicated private access cloud connectivity solutions are far more secure than utilizing the public Internet. EdgeConneX offers access to direct and SDN-based cloud access solutions across our global edge footprint, delivering secure connectivity to all major cloud platforms. Leveraging best of breed cloud security solutions is also critical to protecting your workloads.

EdgeConneX works with partners committed to delivering complete cloud security solutions.

Solving for Latency

The Edge is all about proximity, which in turn results in better performance. By helping bring the cloud local to customers across our Edge data center footprint, we can help reduce the latency of cloud applications and ensures the best quality of service and experience for enterprises.

In addition, EdgeConneX® has joined forces with leading cloud access providers that offer dedicated cloud connectivity throughout our global Edge Data Centers® footprint. This also solves for latency and application performance challenges.

Reduced Latency Improved Performance

“Applications work best when they’re close to the point of interest. Because latency and bandwidth demands push tech to the edges, the applications performing the business functions must go with it.”

(Forrester)

FORRESTER®

Significant Performance Improvements at the Edge:



Regional, Virtual Connection
~50% FASTER
than public Internet



PUBLIC INTERNET
32-38ms



CLOUD CONNECT
18ms

Response Time from Portland to: AWS US-West-1
(Silicon Valley)



Azure
(600 miles)

Regional, Virtual Connection
~45% FASTER
than public Internet



PUBLIC INTERNET
27-39ms

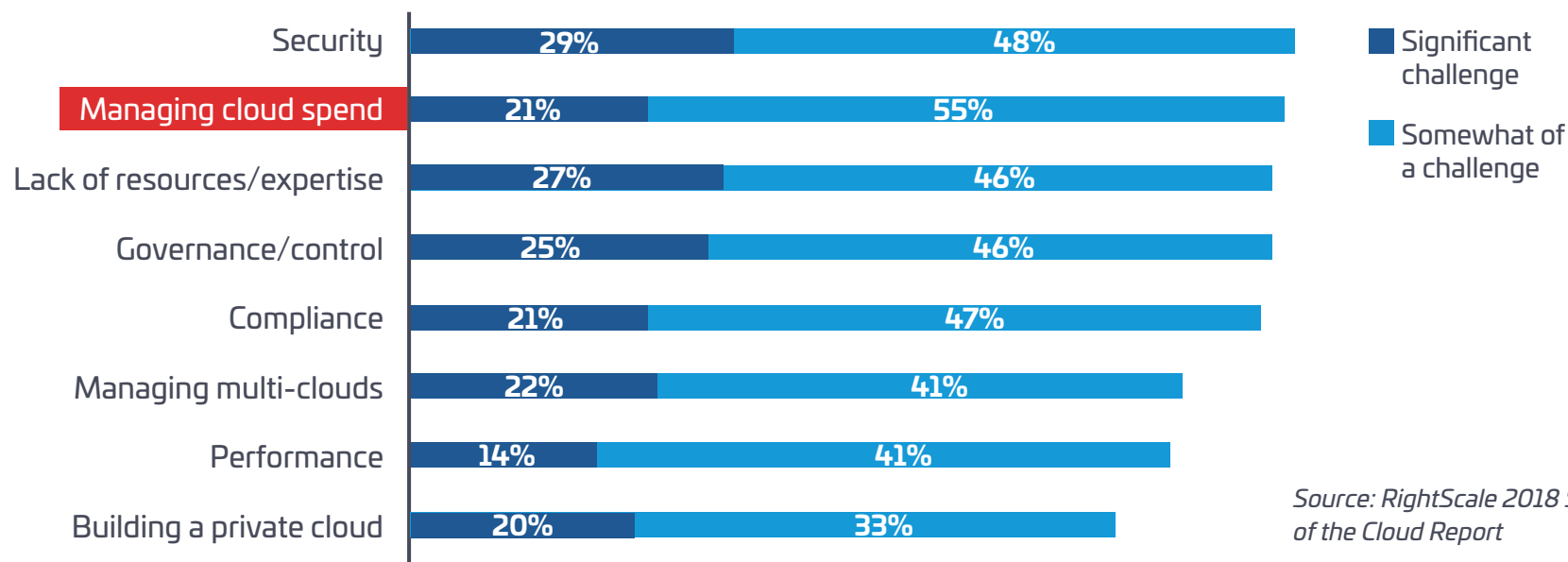


CLOUD CONNECT
18ms

Response Time from Portland to: Azure US-West-1
(Silicon Valley)

Solving for Cloud Spend

One element of cloud spend that enterprises can manage and plan for is the cost of network transport to the cloud platforms they use. By having a cloud solution locally served, enterprises not only benefit from the added security and flexibility of a hybrid multi-cloud solution, but they also save significant capital by reducing the network transit costs incurred when connecting to the cloud hundreds or even thousands of miles away.



Source: RightScale 2018 State of the Cloud Report

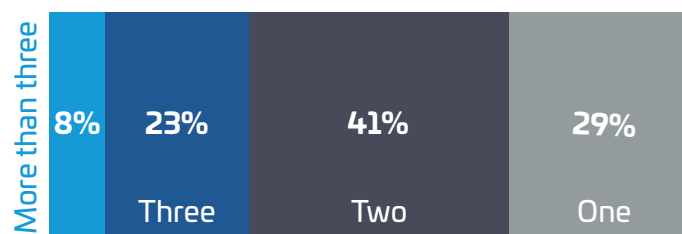
EdgeConneX has a global Edge data center footprint providing a distributed architecture for cloud deployments located in closer proximity to end users and their business.

Solving for Multi-cloud flexibility

According to 451 Research, 72% of enterprises want access to more than one Cloud Service Provider.

72%

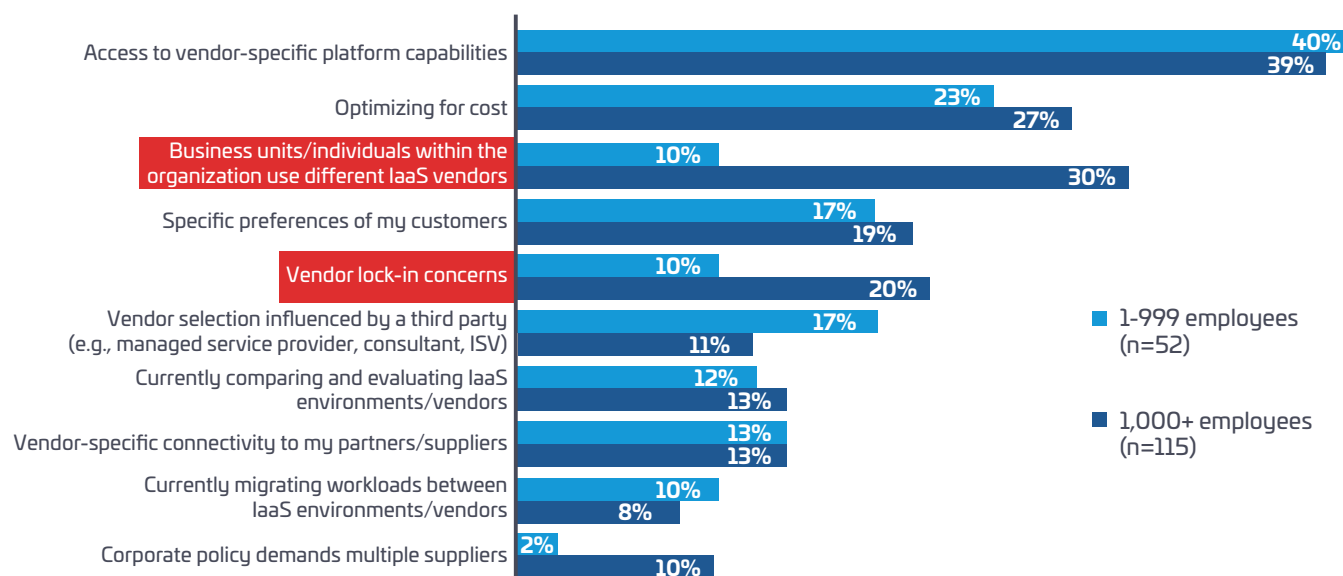
Number of public cloud vendors in use
% of respondents using IaaS/public cloud (n=267)



Multi-Cloud Access



Top Reasons For Using Multiple Public Cloud Vendors



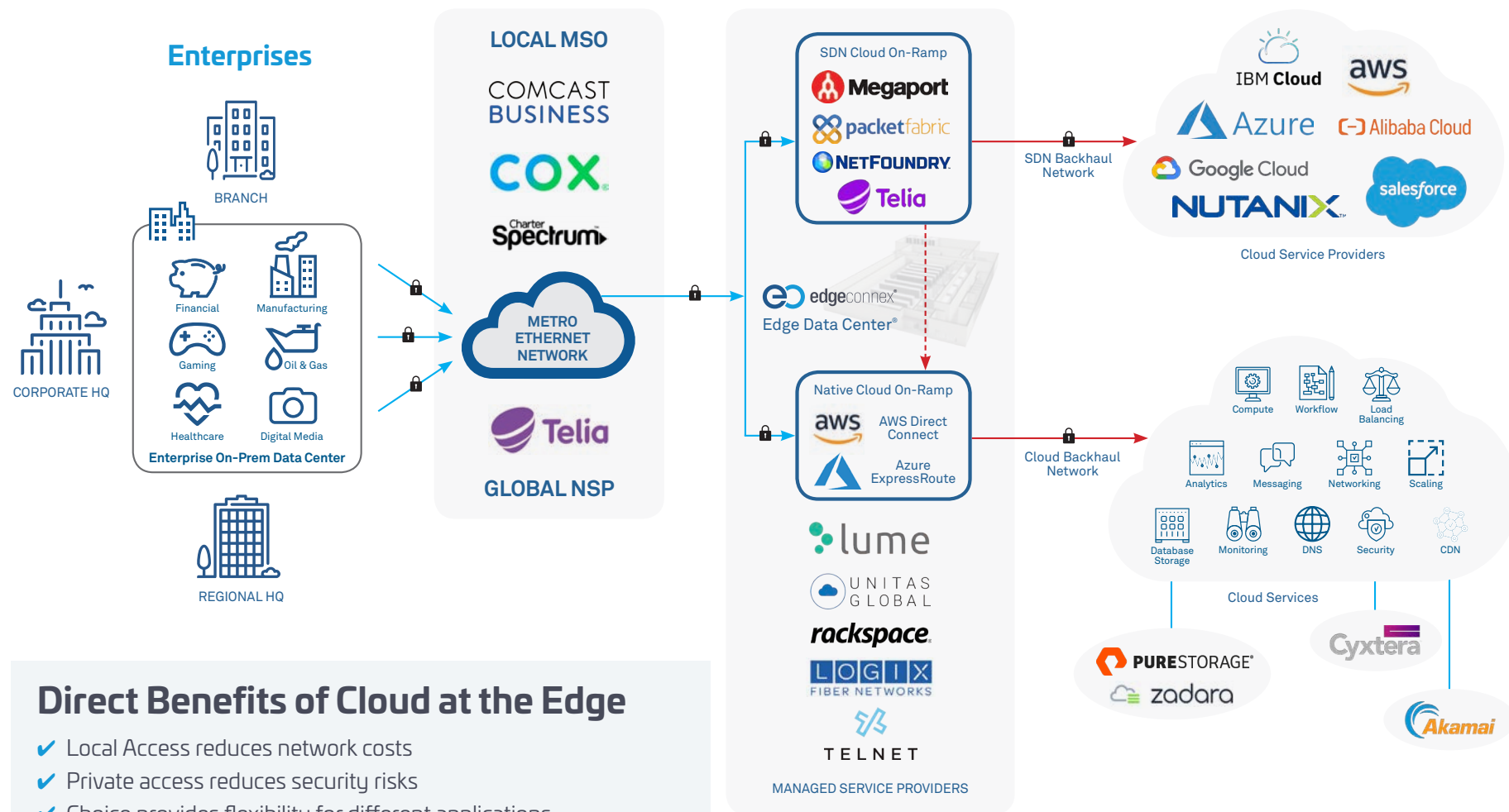
(< 10% Not Displayed)

Source: 451 Research Voice of the Enterprise: Cloud, Hosting & Managed Services Workloads & Key Projects, Q1 2019

ECX has partnered with leading network solution providers that enable multi-cloud access solutions at the edge.

Benefits of an Integrated Edge Cloud Solution

Reference Architecture



Direct Benefits of Cloud at the Edge

- ✓ Local Access reduces network costs
- ✓ Private access reduces security risks
- ✓ Choice provides flexibility for different applications
- ✓ Proximity improves application performance
- ✓ Proximity enables hybrid cloud without DIY Capex requirements
- ✓ Integrated Solution reduces complexity

EdgeConneX helps bring Cloud Service Providers and Enterprises together, at the Edge

40+



data centers

30+



unique markets
worldwide

6-9



months to build

>600,000



data points
monitored by
EdgeOS

100%



data centers built
on time & budget

5 of 5



of the world's
largest companies
are our customers

99.999%



uptime

>200



hyperlocal
EdgePops
deployed

Empower YOUR Edge

Hyperlocal to Hyperscale Data Centers

With our global platform of edge data centers, and working closely with industry-leading partners, EdgeConneX delivers integrated edge cloud solutions that help solve the most pressing cloud adoption challenges facing both enterprises and cloud providers today.



To learn more about the
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