



AWS / Megaport Capabilities

Cloud Networking Use Cases

Simplifying Cloud Connectivity for Digital Enterprises

Accelerate agile networking for digital transformation

Managing enterprise networking has never been more complex, with increasing multicloud adoption, the proliferation of IoT and mobile endpoints, and business-critical applications that can be deployed and used anywhere. Digital leaders now more than ever, must be able to provision and extend a high-performance, secure network with agility.

Megaport and AWS' key cloud networking use cases are designed to be the foundation of successful digital transformation.

Why AWS & Megaport

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- 5 Megaport-enabled AWS Direct Connect locations

Use Cases

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- 8 Cloud-to-Cloud Networking
- 9 Hybrid Multicloud
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Agile Networking, Simplified

Cloud adoption is accelerating, which means more data volume, more endpoints, and greater complexity.

With a rapidly increasing number of distributed devices, applications, and end-users to support, you'll need unprecedented scalability, security, reliability, and an effortless way to control your network infrastructure.

Whether you're considering SDN, SD-WAN, SASE, or NFV to automate your network and infrastructure, building your wide area network with an agile Network as a Service solution is imperative to successful digital transformation.

**With a few clicks, connect to
thousands of service
providers in minutes instead
of months.**

Megaport and AWS

Global private connectivity access to AWS Direct Connect.

When adopting a hybrid cloud infrastructure there's an intrinsic value in being adjacent to the clouds you connect to. With Megaport and AWS Direct Connect, organizations can build optimal cloud-adjacent pathways to your infrastructure.

With more than 800 enabled data centers and 54 AWS Direct Connect on-ramps, Megaports Network as a Service platform will expand your network ecosystem.

With thousands of AWS Direct Connect connections across our global Software Defined Network you'll have no problem finding the right path for your network needs.



Advanced
Technology
Partner

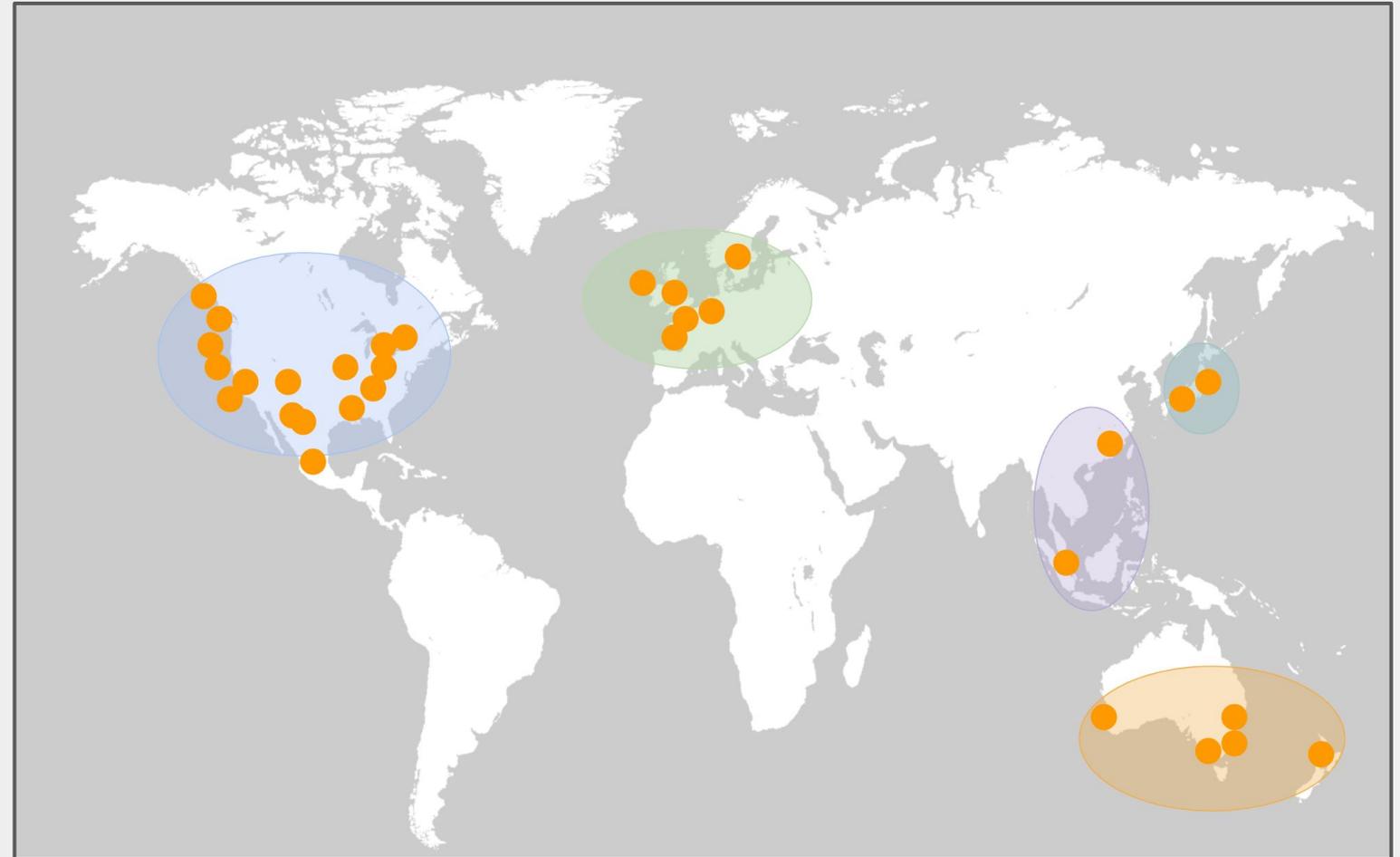
The Megaport and AWS partnership allows customers to bypass the public internet and architect their on-premises, private, secure, and high-performance connectivity and cloud applications for hybrid cloud infrastructures.

Megaport enabled AWS Direct Connect

Direct Connectivity at the closest entry-point to AWS.

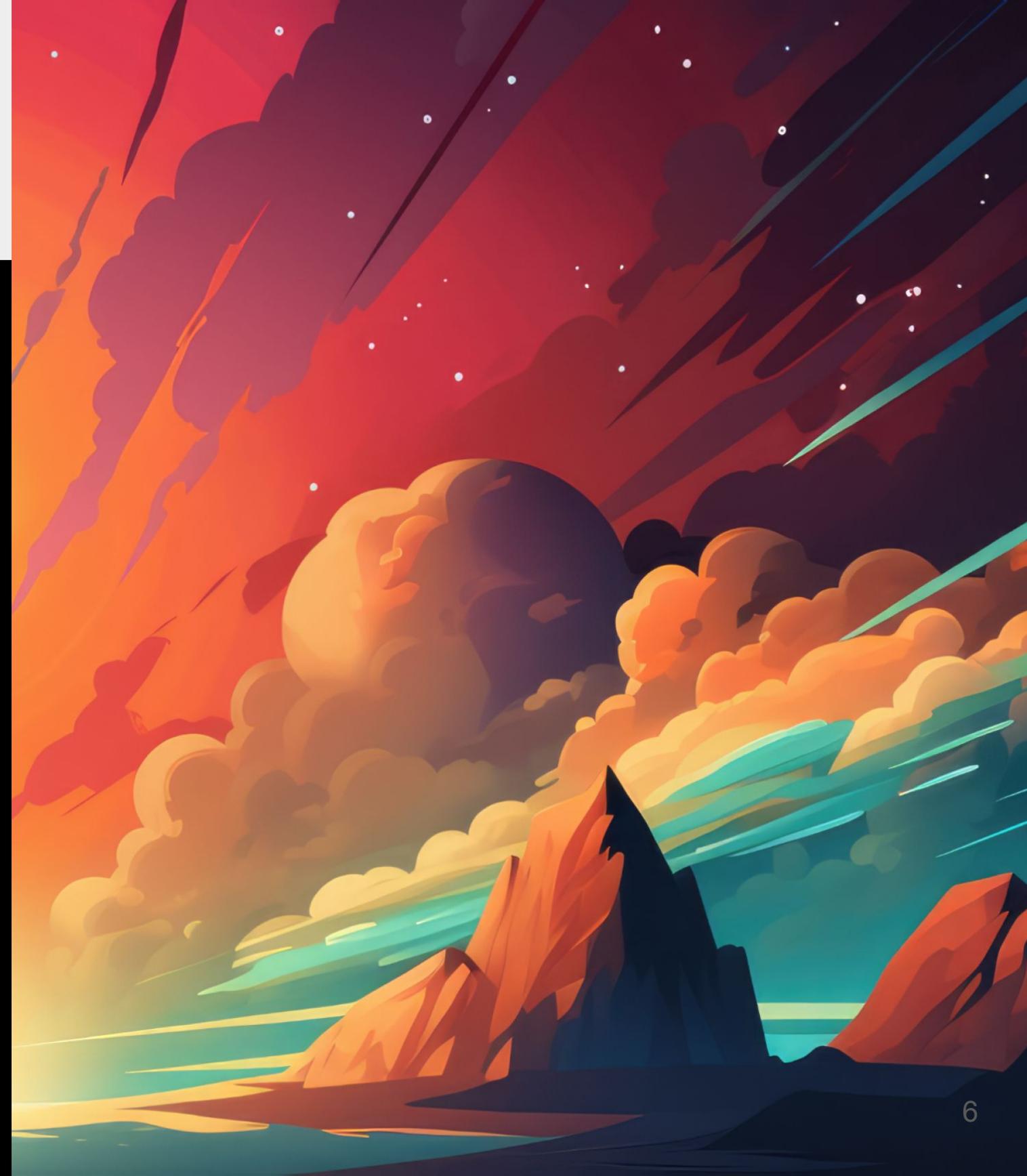
**54 on-ramps across the
globe reachable via 800+
enabled data centres.**

AWS Regions



Networking Use Cases

- 7 Hybrid Cloud
 - 8 Cloud-to-Cloud Data Transfer
 - 9 Hybrid Multicloud
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NETWORKING USE CASE 1

Hybrid Cloud

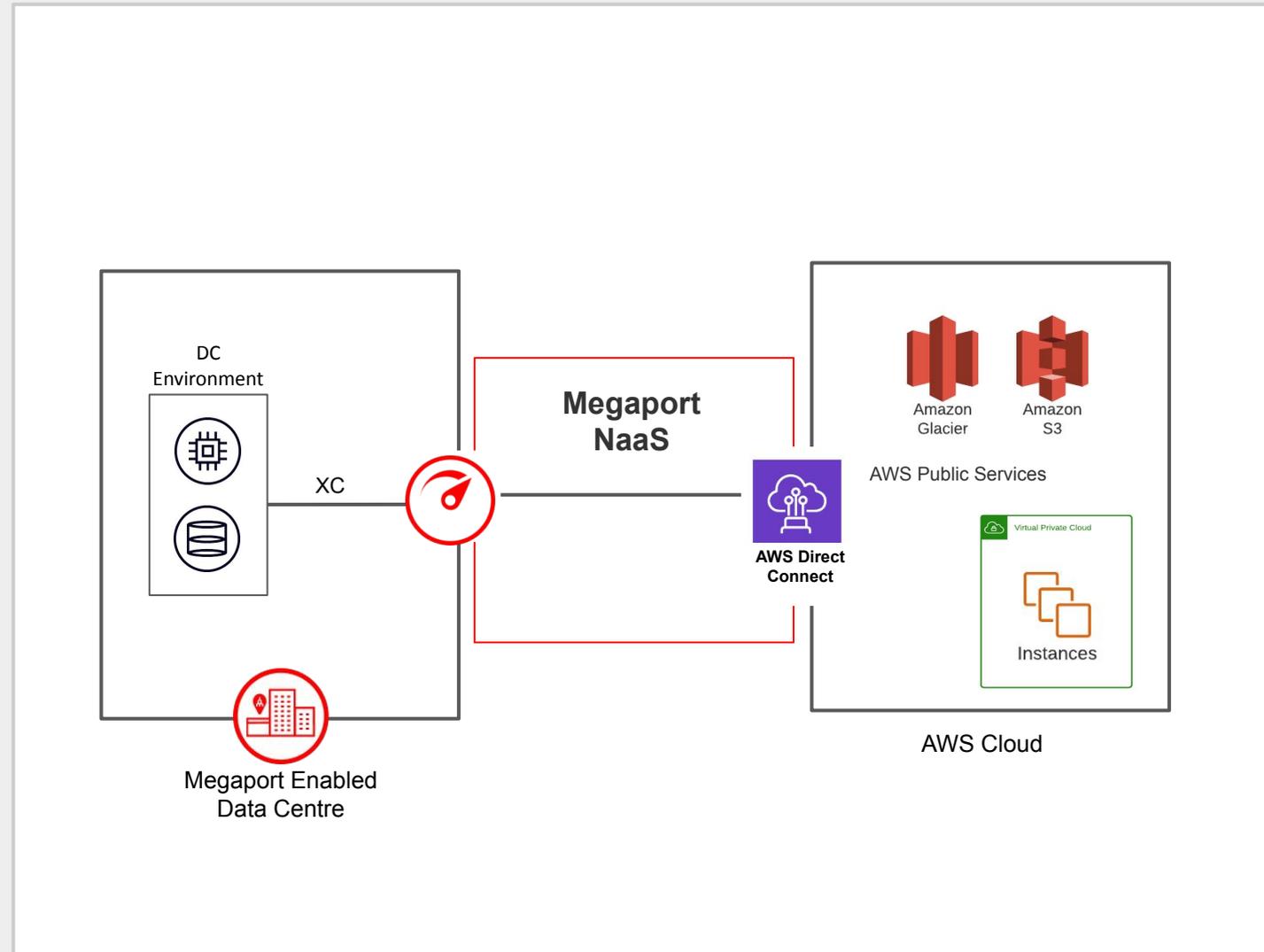
Hybrid cloud with secure on-demand private Network as a Service connectivity

On-premises migrations to AWS can transform digital capabilities including operational flexibility, cost optimization, faster innovation, and improved overall scalability.

Megaport offers private, scalable, and secure Direct Connect connectivity to AWS in all major global regions, with the ability to build redundant services through our portal or API to any desired AWS Direct Connect locations.

Using our private NaaS to connect to AWS can transform your network into a secure, high-performance, low-latency instrument of innovation.

Use Case 1



NETWORKING USE CASE 2

Cloud-to-Cloud Networking

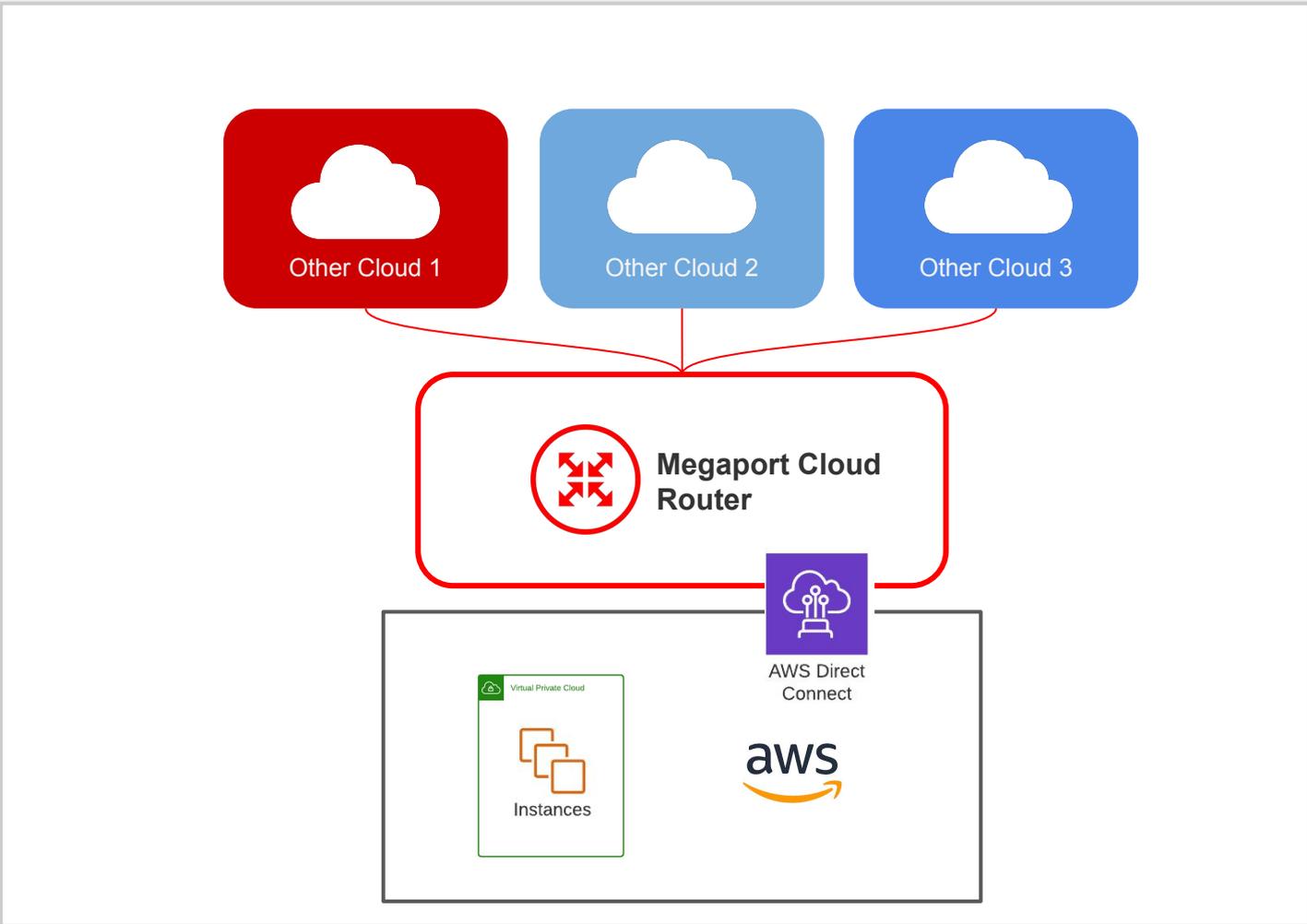
On-demand high-performance private multicloud connectivity to AWS

With Megaport, businesses can deploy a Megaport Cloud Router (MCR) to privately and securely connect between cloud environments across the globe without the risk of malicious cyber threats while reducing data charges.

There are challenges with migrating or running multicloud applications. Typically the procedure involves moving large sets of data which results in potential security vulnerabilities and higher data transfer costs.

On Megaport's platform all of these risks and costs can be solved within a few minutes and without requiring you to set up physical hardware on-premise or in a data center.

Use Case 2



NETWORKING USE CASE 3

Hybrid Multicloud

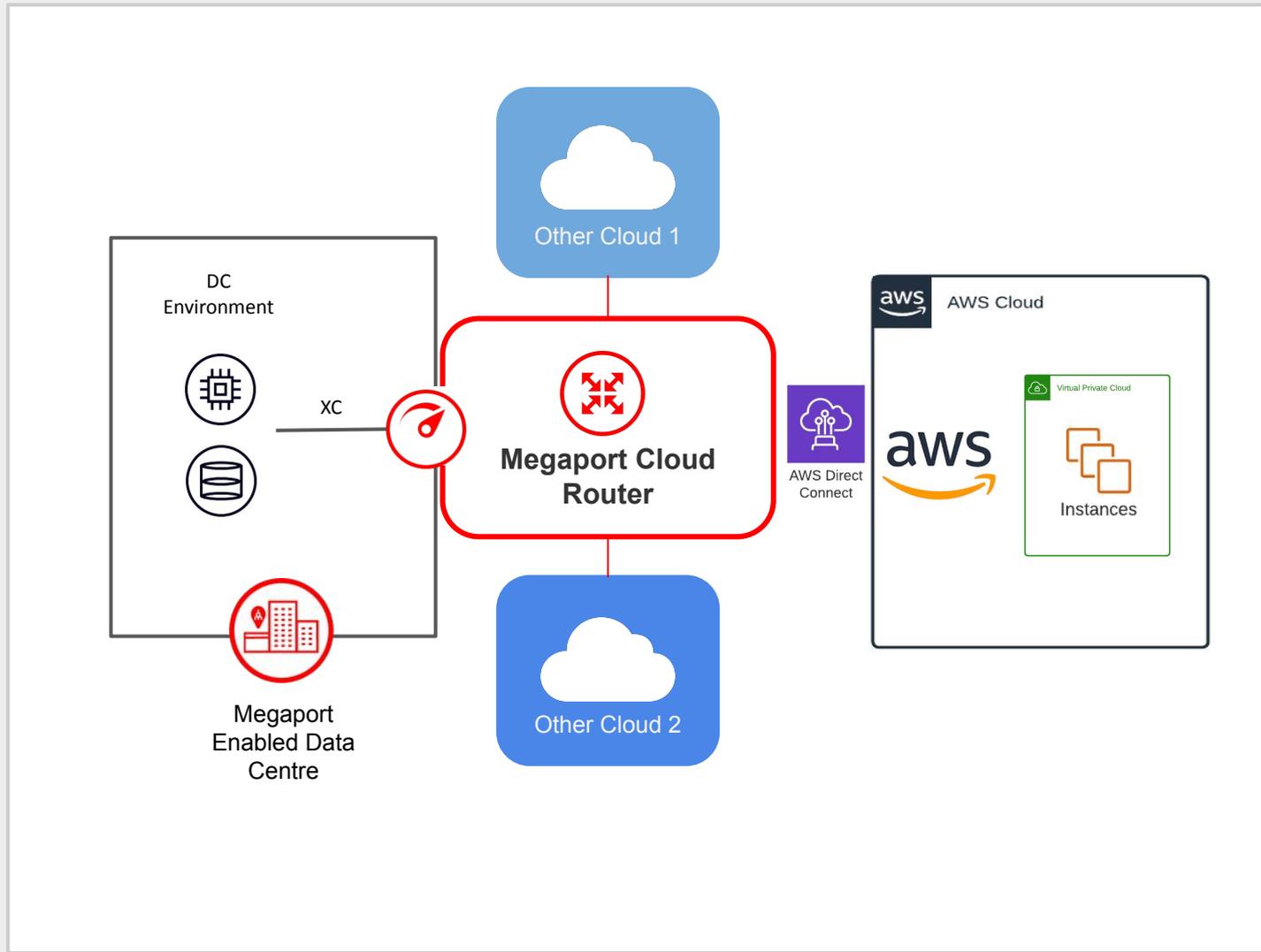
On-demand high-throughput private hybrid multicloud connectivity to AWS

While pure multicloud is suitable for those operating entirely in the cloud, many use cases still require connectivity to on-premises data centers for application performance, security, and data governance or regulatory reasons.

We do this dynamically at Layer 3 to a data center of your choice with Megaport Cloud Router (MCR). Our customers remain in control of the data flowing between environments and the data they wish to keep on-premises.

MCR aggregates all traffic, allowing our customers to choose what data needs to flow back to their on-premises infrastructure and cloud environments. It also supports route filtering to allow users to control route advertisement between clouds and on-premises.

Use Case 3



NETWORKING USE CASE 4

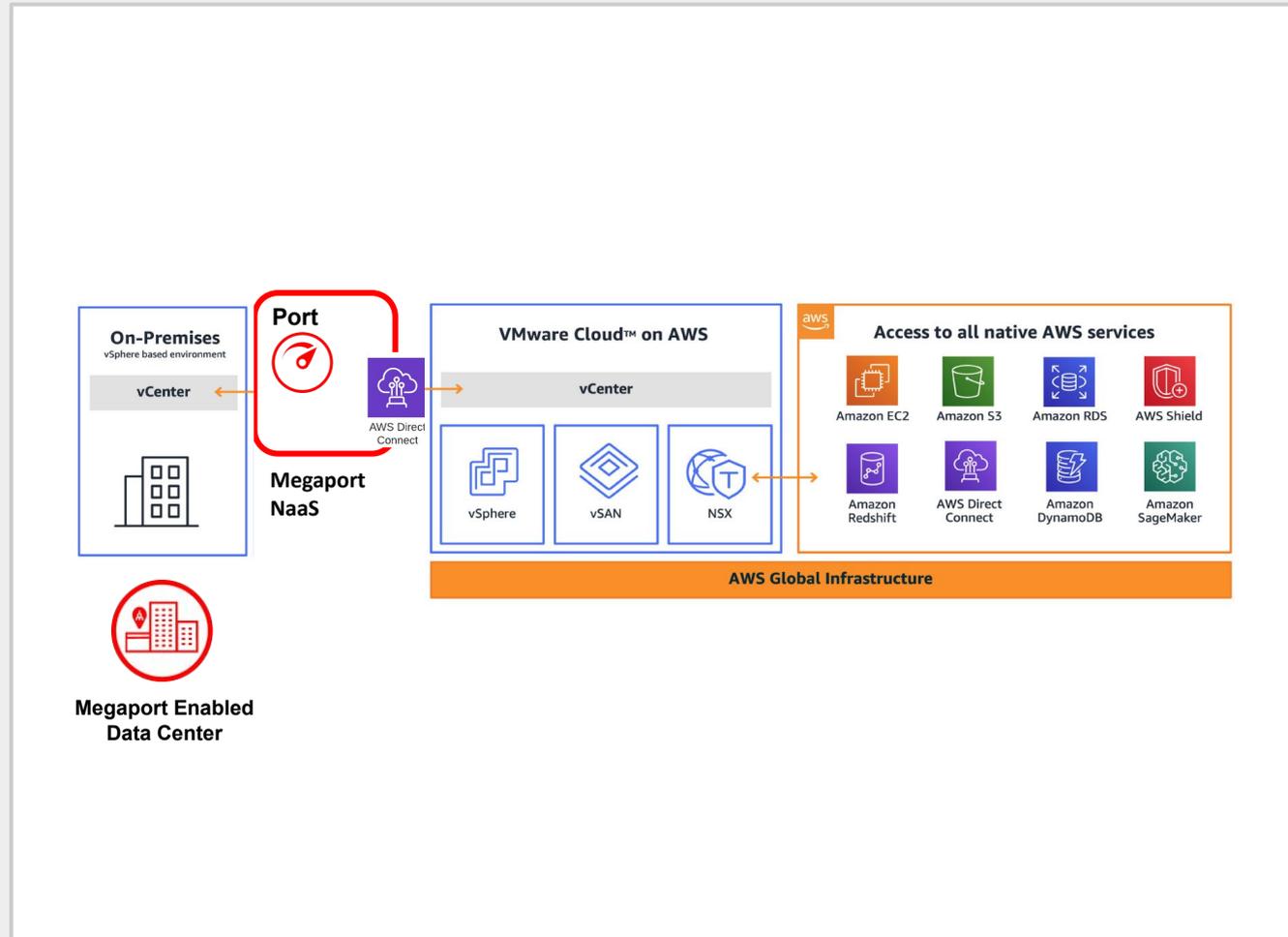
VMware Cloud on AWS

Connecting your private cloud Sphere workloads to VMware Cloud on AWS.

VMware Cloud on AWS, an integrated cloud offering jointly developed by Amazon Web Services (AWS) and VMware, delivers highly scalable and secure network services by migrating and extending your on-premises VMware vSphere-based environments to the AWS Cloud running on Amazon Elastic Compute Cloud (Amazon EC2).

MegaPort's highly scalable, cost-effective, and private connectivity solutions in conjunction with AWS Direct Connect gives your business the ability to migrate or run hybrid VMware workloads across secure high-performance connections.

Use Case 4



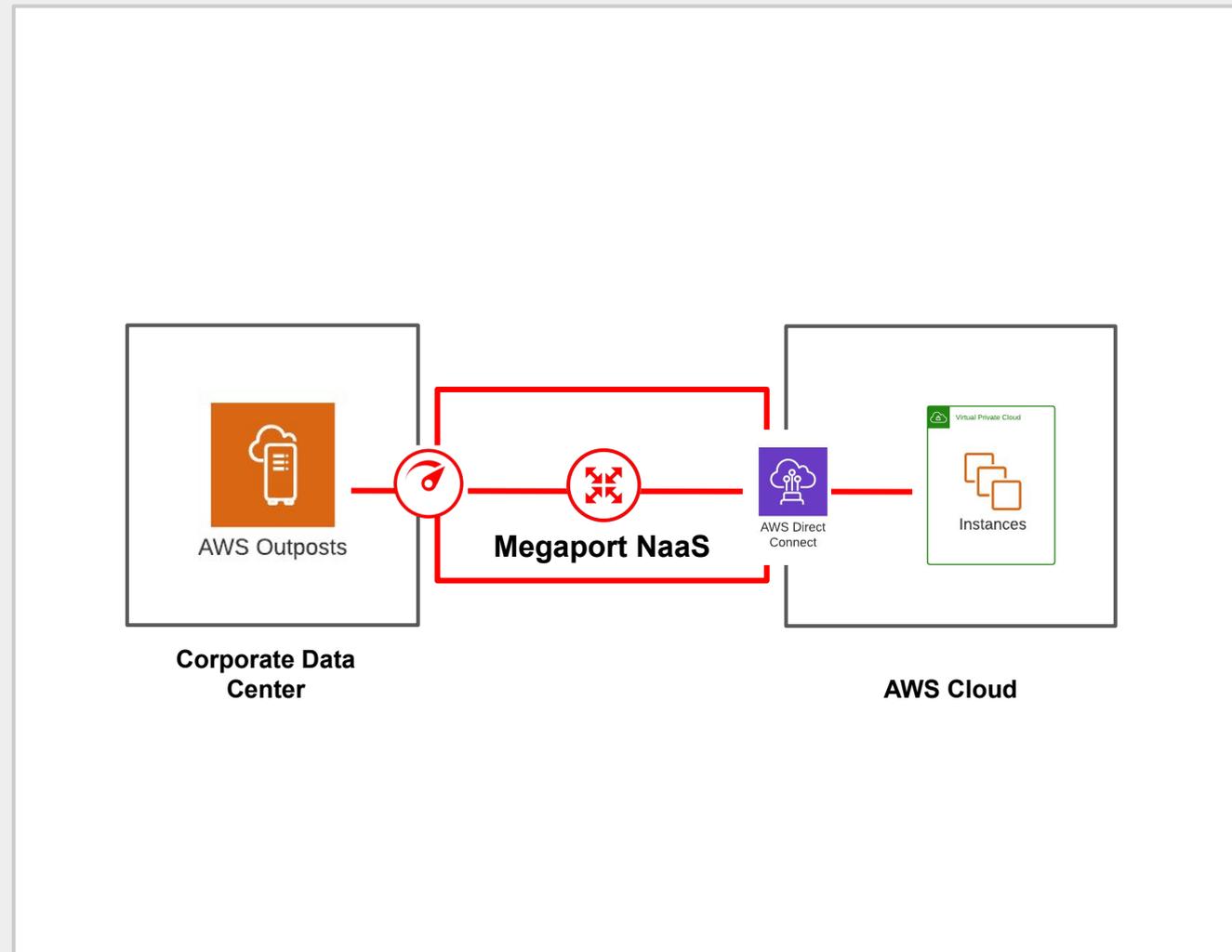
AWS Outposts

The benefits of AWS on-premises with AWS Outposts and Megaport hybrid connectivity architecture

With AWS Outposts, customers can run AWS services locally and connect to a broad range of services available in the local AWS region. These applications and workloads can run on-premises using familiar AWS services, tools, and APIs. Outposts support workloads and devices requiring low latency access to on-premises systems, local data processing, data residency, and application migration with local system interdependencies.

By leveraging Megaport's extensive global SDN and branch connect solutions, enterprises can benefit from private, low latency, secure, high-performance connections to AWS services using our hybrid connectivity model.

Use Case 5



NETWORKING USE CASE 6

AWS Local Zones

Take advantage of Local Zones to build local AWS services in your business locality.

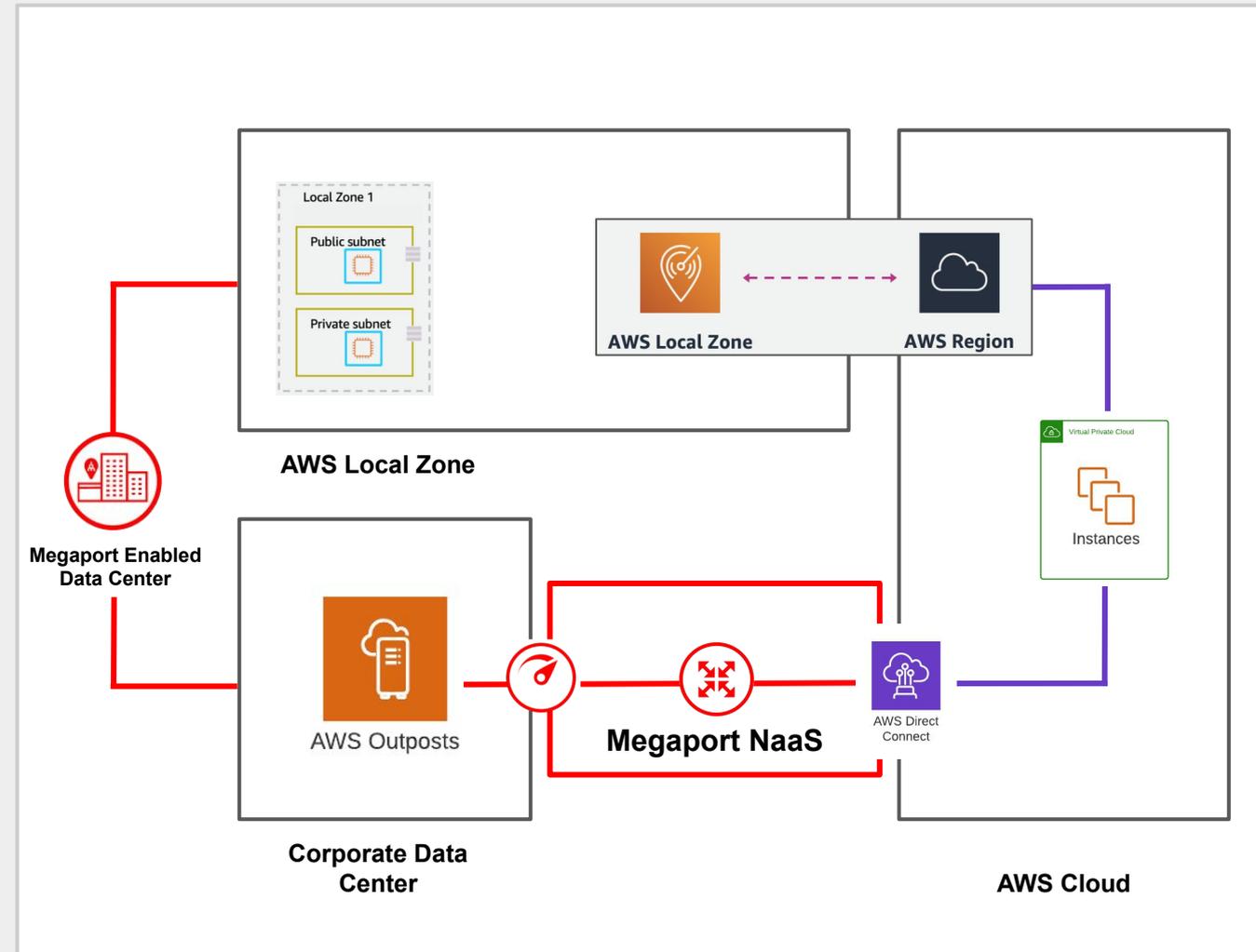
Use Megaport to connect privately from your Data Center to an AWS Local Zone.

To achieve resilience for Local Zone workloads consider AWS Outposts as a backup solution to retain your local data processing, service access performance and data residency compliance in the event of a Local Zone being unavailable.

Local Zone uses shared AWS Network Infrastructure between AWS Local Zones and AWS Direct Connect back to the core region Availability Zone (AZ).

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Use Case 6

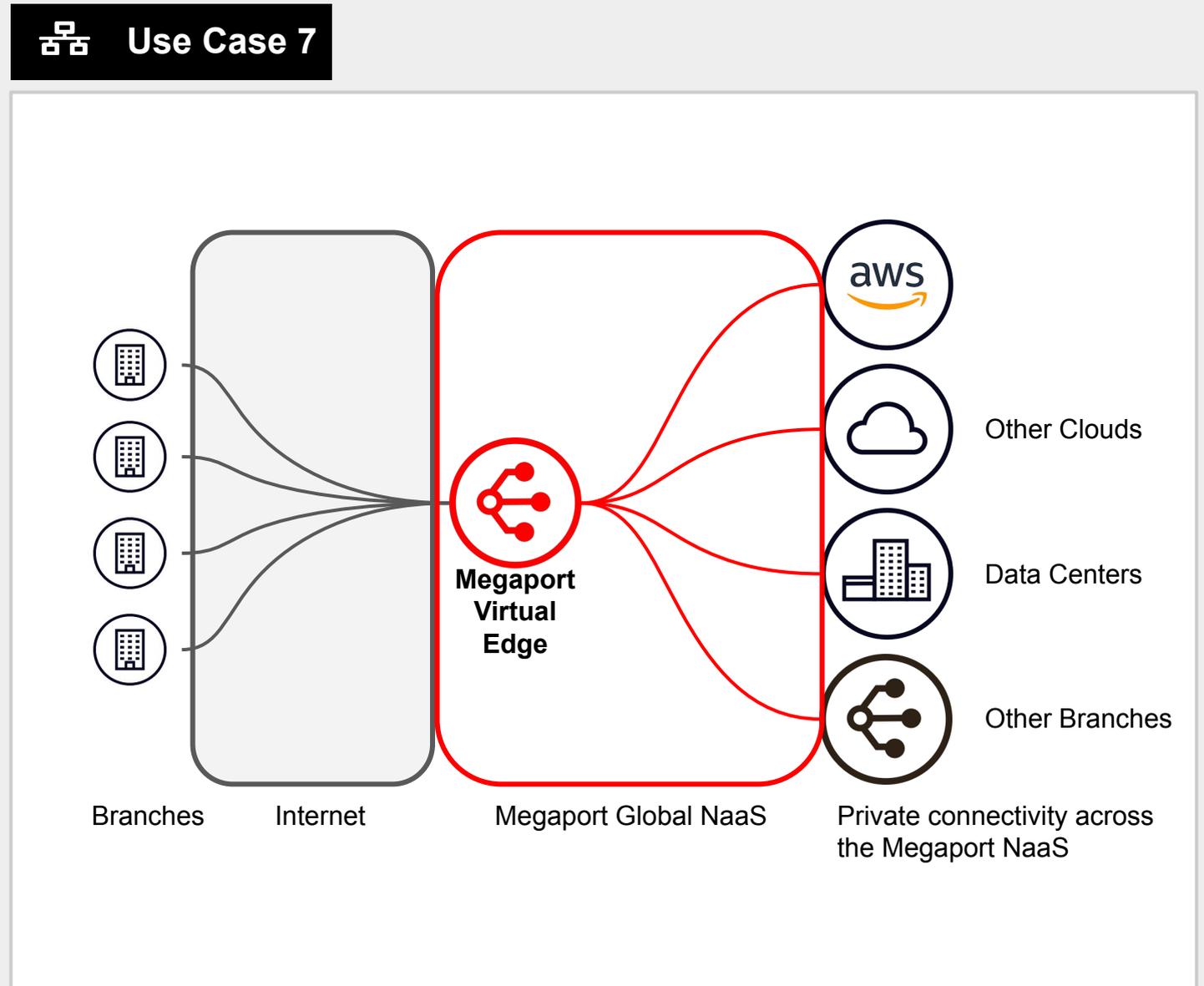


Connect your Edge Locations to AWS

Connecting your branches to AWS.

Never again connect to a distant data center only to share a connection to AWS. Use your existing SD-WAN solution to connect to the nearest point on the edge of Megaport's private global SDN with Megaport Virtual Edge (MVE).

Once connected to MVE, you can access any AWS region via Megaport's numerous AWS Direct Connect locations. MVE supports major SD-WAN solutions including Cisco, Fortinet, VMware, Versa, and Aruba.



NETWORKING USE CASE 8

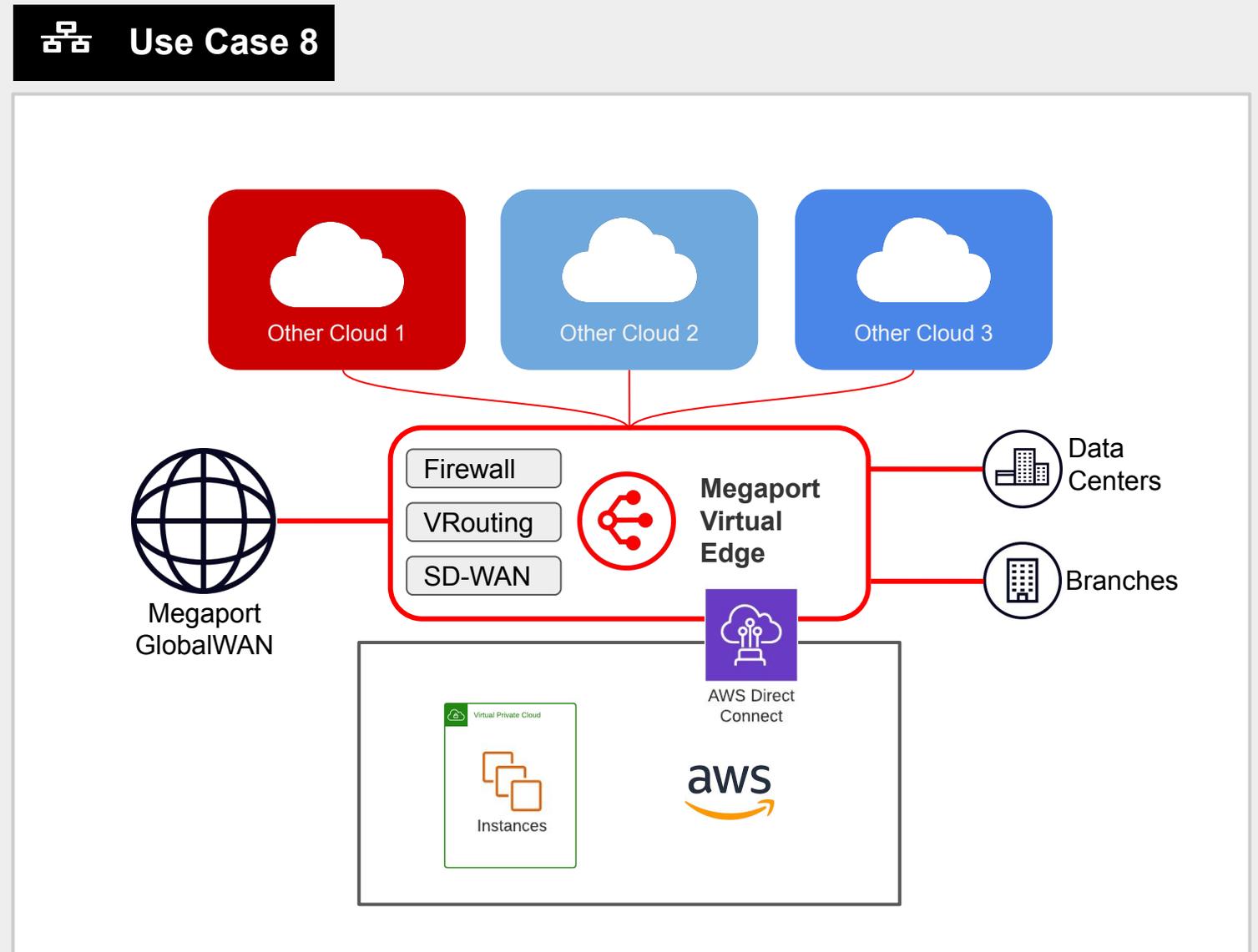
Virtual PoPs and Firewalls

Virtualise your Data Center connectivity options while achieving private multicloud connectivity to AWS

The Megaport Virtual Edge (MVE) allows you to quickly spin up industry leading Firewall, Virtual Routing and SD-WAN solutions.

Deploy the MVE in minutes in almost 100 locations around the world without having to worry about physical hardware or a DC provider relationship. MVE supports major Virtual Firewall solutions including Fortinet, Palo Alto and Versa.

Interconnect these Virtual Connectivity Hubs together with our private GlobalWAN in seconds. Safely connect between cloud environments across the globe with added Virtual Firewall security between clouds, Data Centers and SD-WAN connected branches.



NETWORKING USE CASE 9

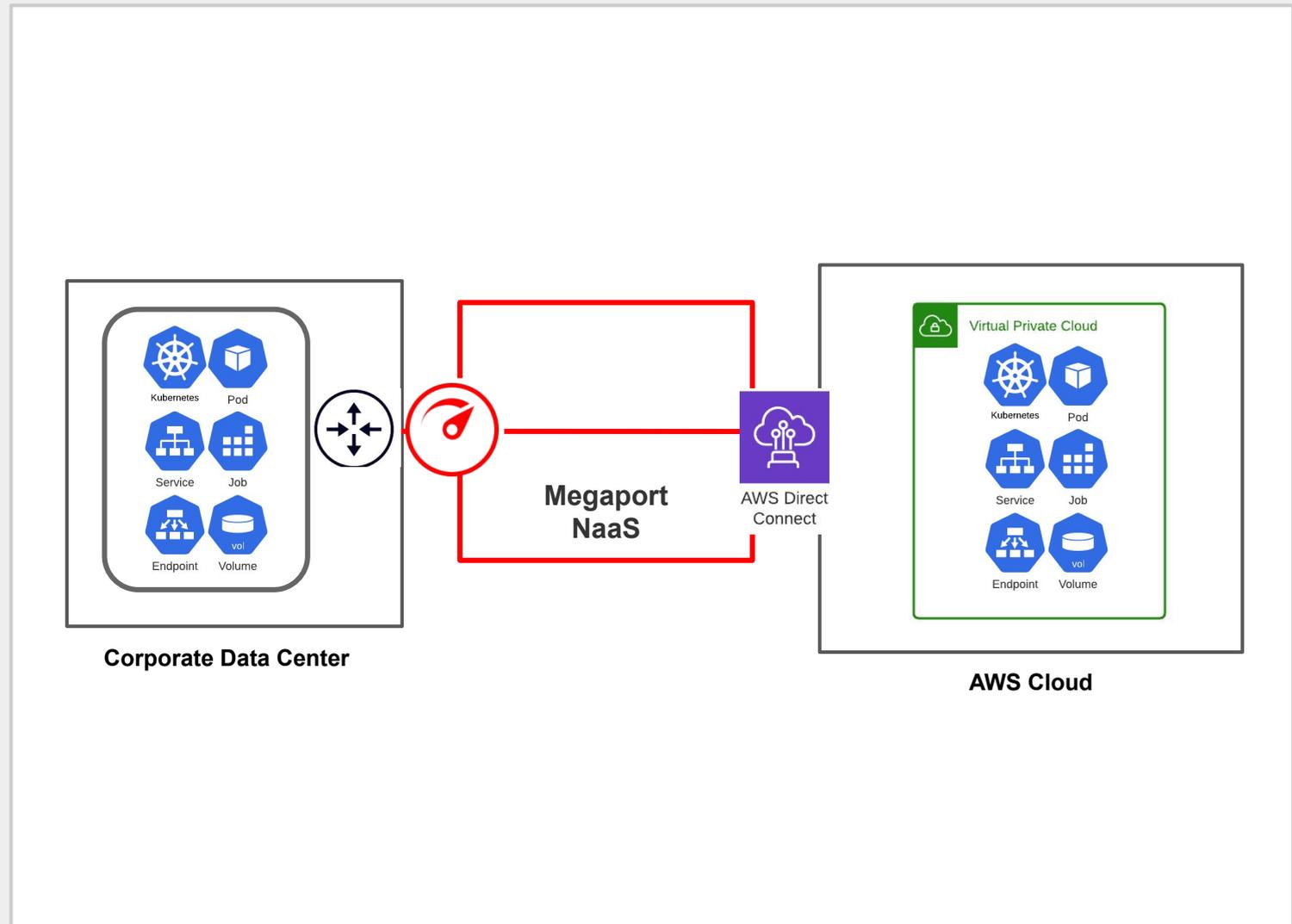
Kubernetes on AWS

Connecting on-prem and AWS Kubernetes.

Kubernetes manages clusters of Amazon EC2 compute instances and runs containers on those instances with processes for deployment, maintenance, and scaling. Using Kubernetes, you can run any type of containerized application using the same toolset on-premises and in the cloud.

Use Megaport to connect privately from on-premises to Amazon Elastic Kubernetes Service (Amazon EKS) to deploy and manage containerized applications at scale.

Use Case 9



Next Steps

MegaPort partners with AWS and other leading cloud service providers and is a perfect match when looking to streamline your network infrastructure with a platform jam-packed with features including an easy-to-use dashboard and an open API.

**Sign up to MegaPort
today to streamline your
AWS deployment.**

megaPort.com | docs.megaPort.com | portal.megaPort.com





AWS / Megaport Capabilities

**You're in good
company.**

