



MEGA GUIDES



A guide to AWS cloud networking.

Discover the top AWS cloud networking use cases shaping today's tech world.

MEGAGUIDES

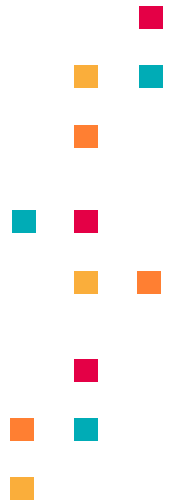
A guide to AWS cloud networking.



Boost your networking agility and transform your operations.

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. Now more than ever, digital leaders must be able to provision and extend a high-performance, secure, and agile network.

Here are the top cloud networking use cases from MegaPort and AWS that have powered digital transformation for hundreds of businesses.



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Simplified networking.

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.

Building your wide area network with an agile Network as a Service (NaaS) 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



- AWS Outposts Ready
- Networking Software Competency
- Amazon Direct Connect Delivery

aws marketplace

Global private 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, you can build optimal pathways to your infrastructure.

With more than 1100+ enabled data centers and 70 AWS Direct Connect on-ramps, Megaport's NaaS platform will expand your network ecosystem.

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

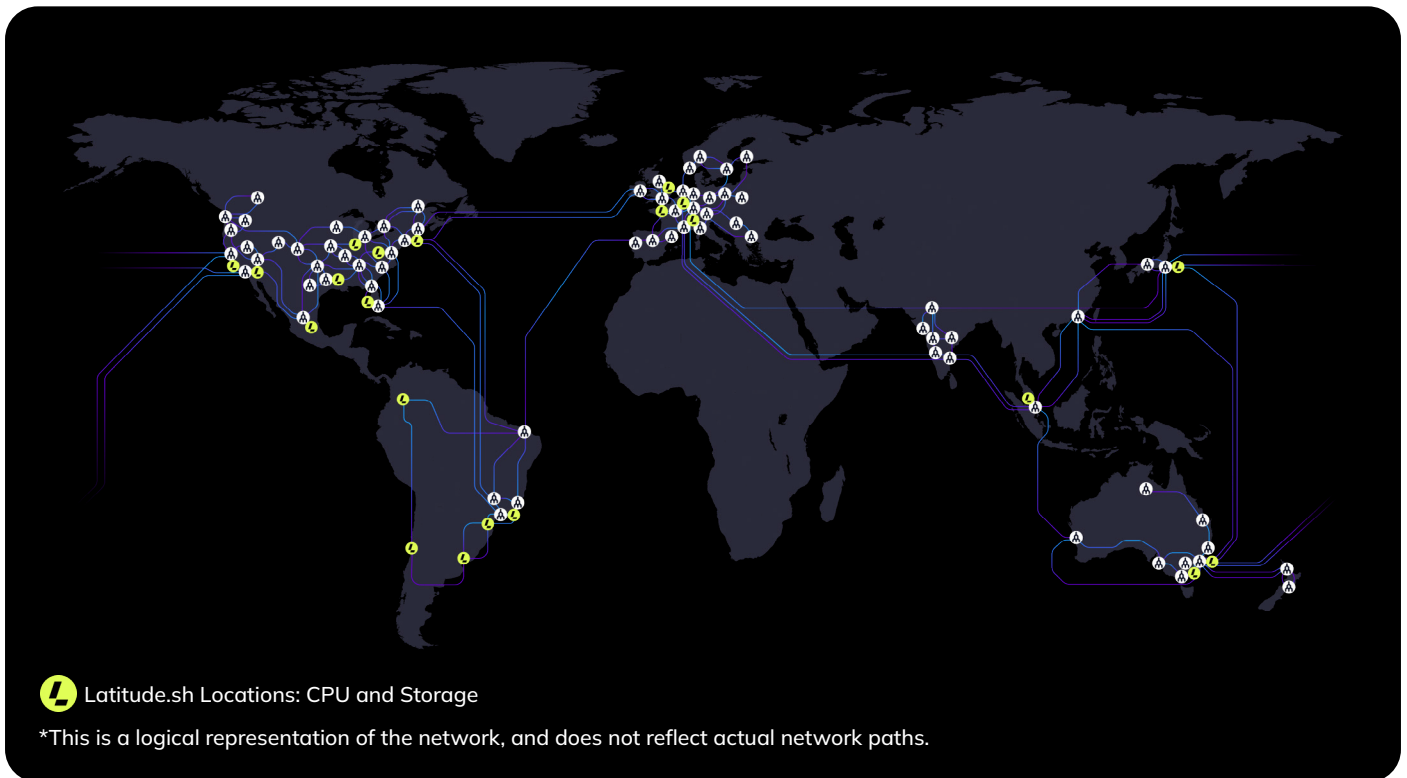
Megaport and AWS let you skip the public internet and build secure, high-performance connections for your hybrid cloud setup.



Megaport-enabled AWS Direct Connect

Direct connectivity at your closest AWS entry point.

AWS Regions



**Access 70 on-ramps
worldwide through 1100+
enabled data centers.**



AWS cloud networking

USE CASES

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Hybrid cloud

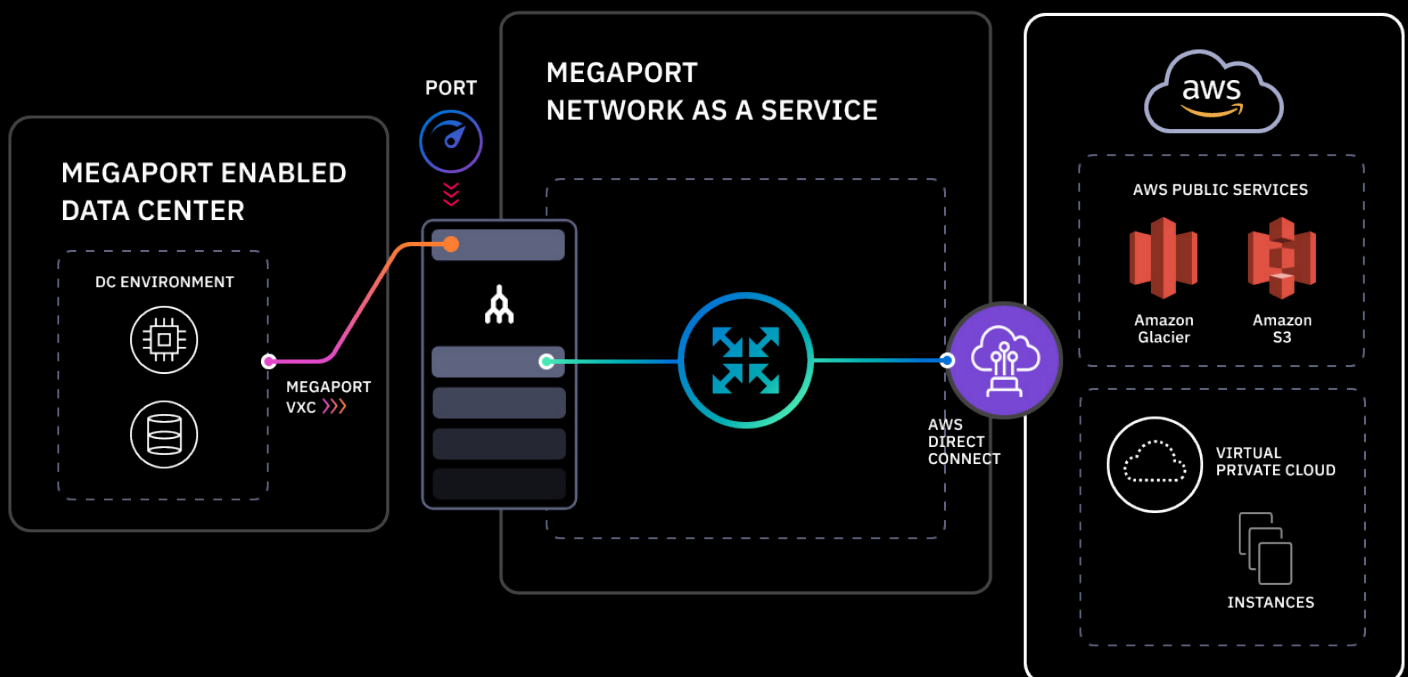
USE CASE – 01

Hybrid cloud with private, on-demand NaaS connectivity.

On-premises migrations to AWS can elevate digital capabilities like operational flexibility, cost savings, innovation, and 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.





Cloud-to-cloud networking

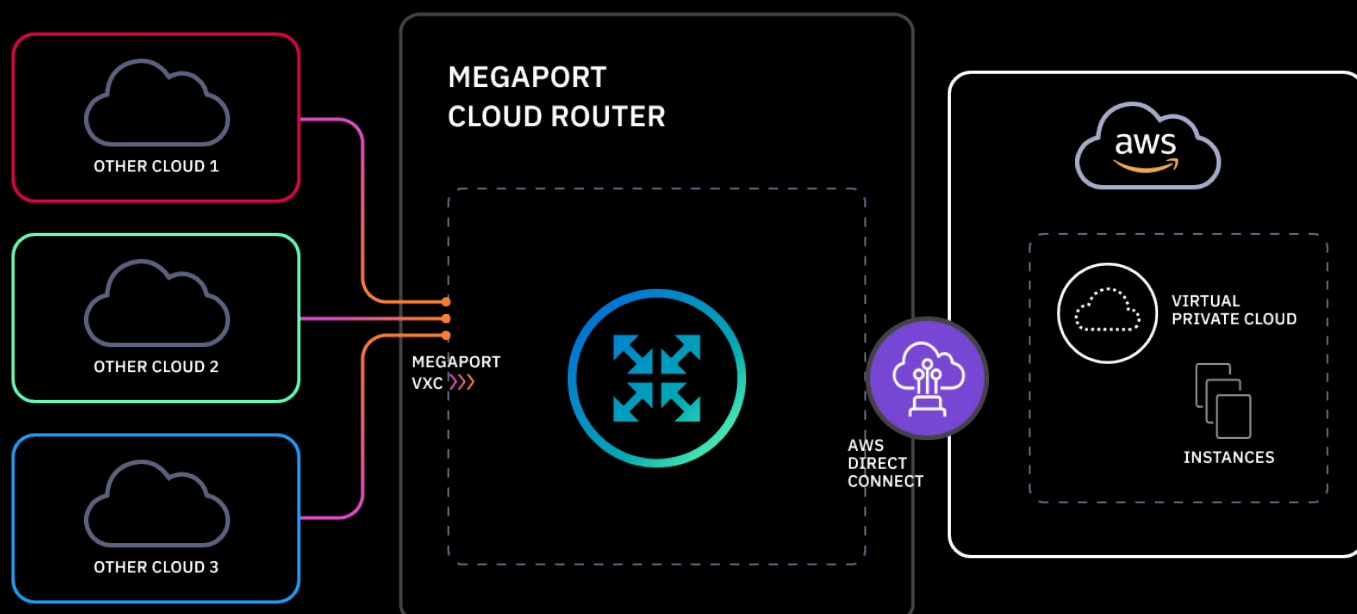
USE CASE – 02

On-demand, high-throughput connectivity between clouds.

With MegaPort, businesses can deploy a MegaPort Cloud Router (MCR) to privately and securely connect cloud environments around the globe, while reducing data charges and the risk of cyberthreats.

Migrating or running multicloud applications can be challenging. Moving large sets of data can cause 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.





Hybrid multicloud

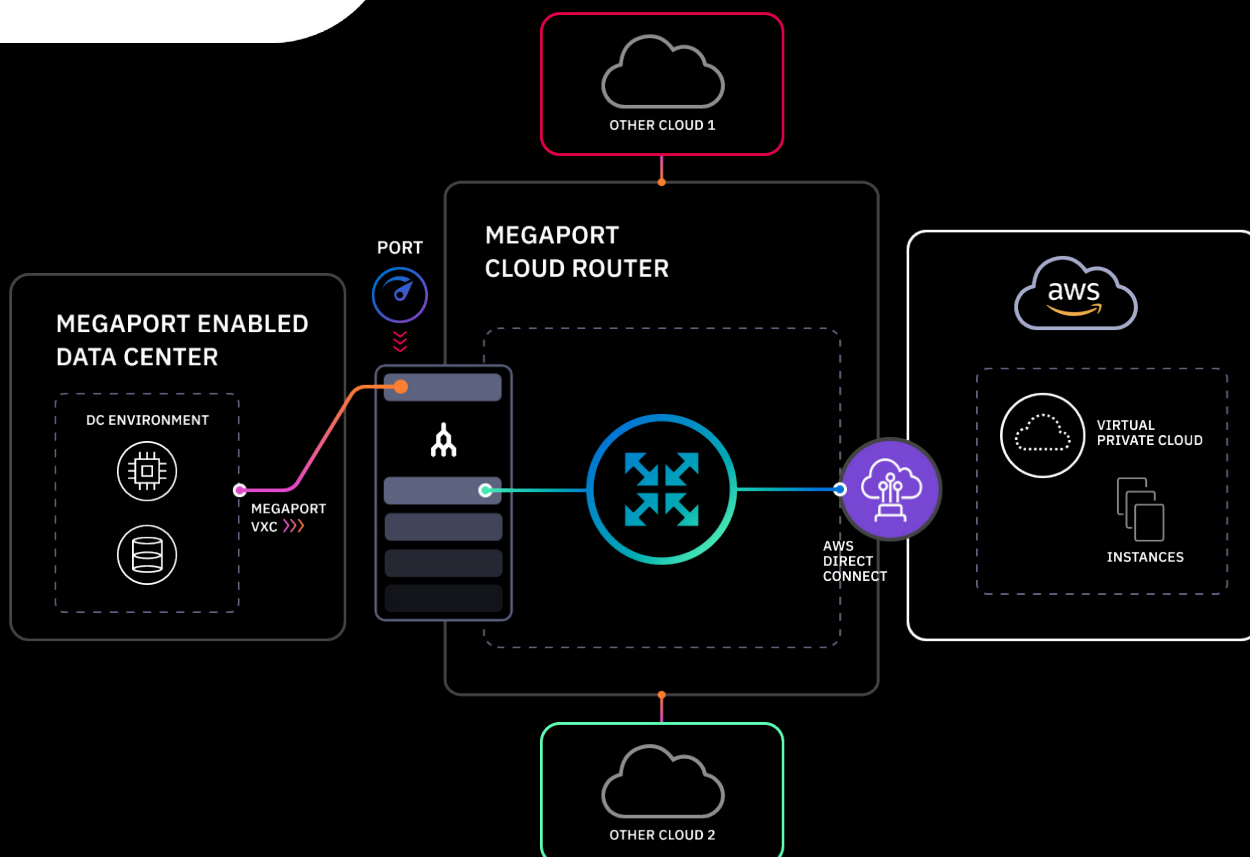
USE CASE – 03

On-demand, high-throughput connectivity for hybrid multicloud architectures with 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, data governance, or regulatory compliance.

We do this dynamically at Layer 3 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.





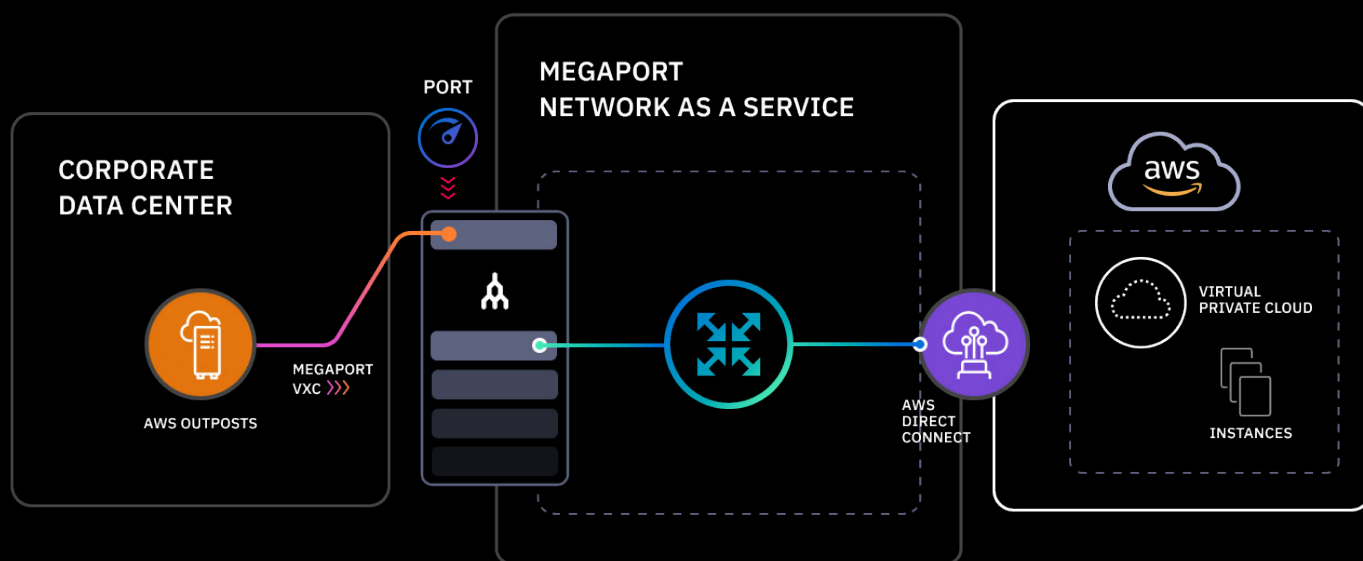
AWS Outposts

USE CASE – 04

Connect your AWS Outposts from edge to the cloud with MegaPort's private network.

With AWS Outposts, customers can run AWS services locally and connect to a broad range of services available in their local AWS region. These applications and workloads can run on-premises using familiar AWS services, tools, and APIs. Outposts supports 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.

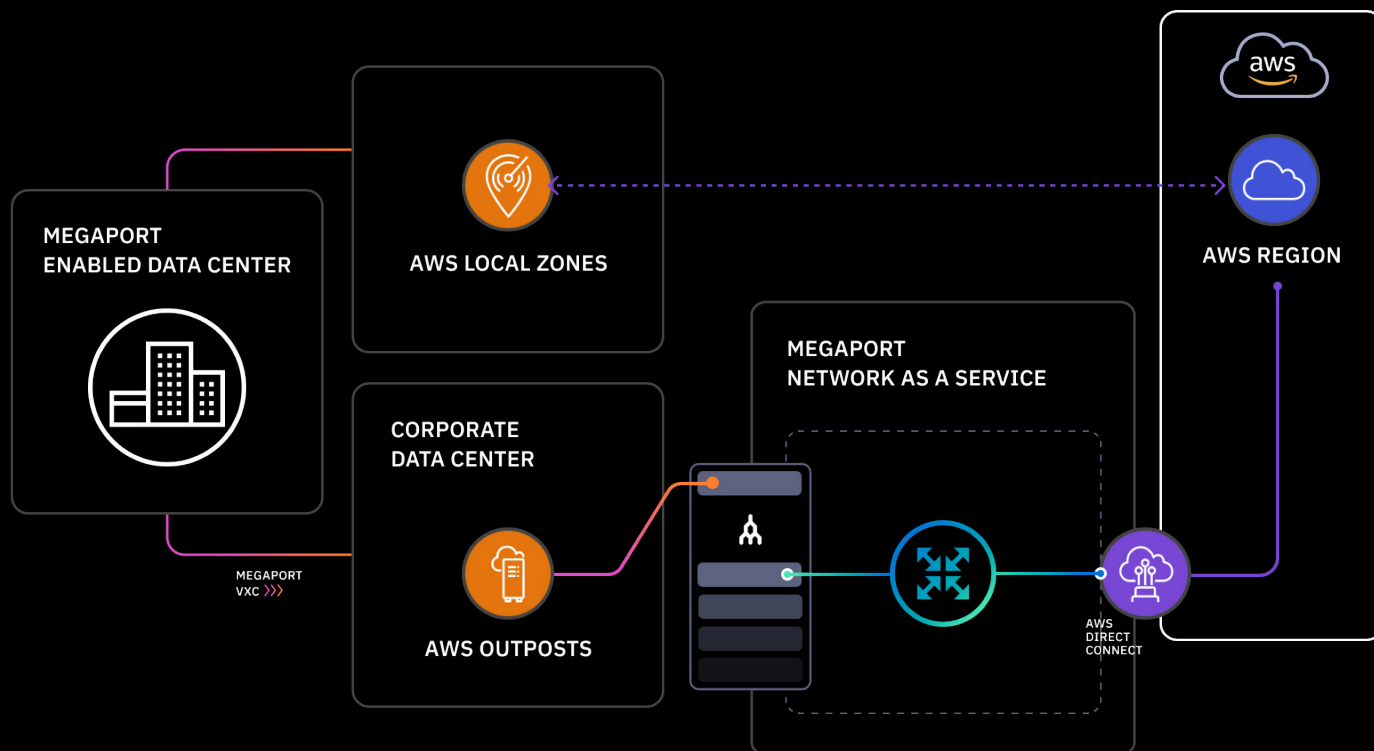




USE CASE – 05

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

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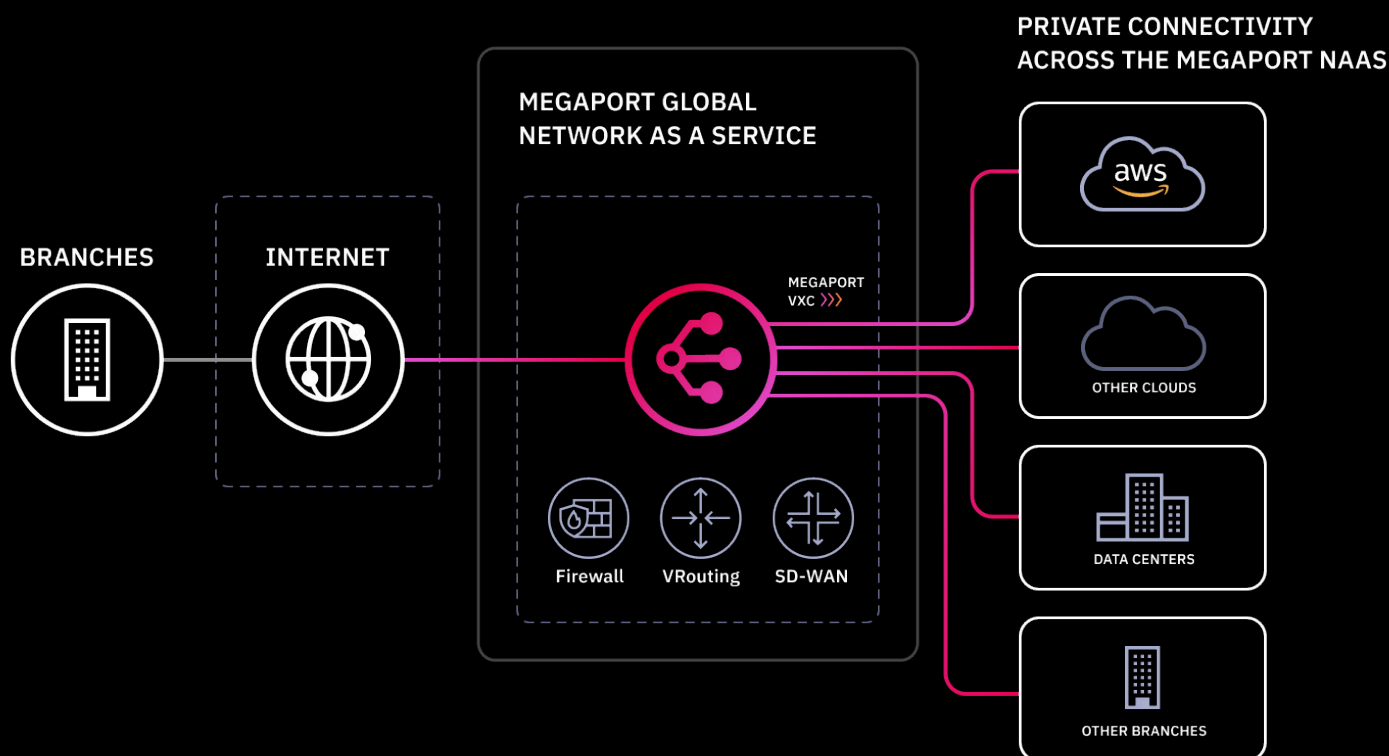
Connect your edge locations to AWS

USE CASE – 06

Turbocharge connectivity from branch locations to AWS cloud environments.

Bring AWS closer to your edge with MegaPort Virtual Edge (MVE), a virtual connectivity hub that extends your WAN to get you to the cloud faster.

Once connected to MVE, you can access any AWS region via MegaPort's numerous AWS Direct Connect locations. MVE supports virtual routers, firewalls, and SD-WAN solutions from Cisco, Fortinet, VMware, Versa, and Aruba.





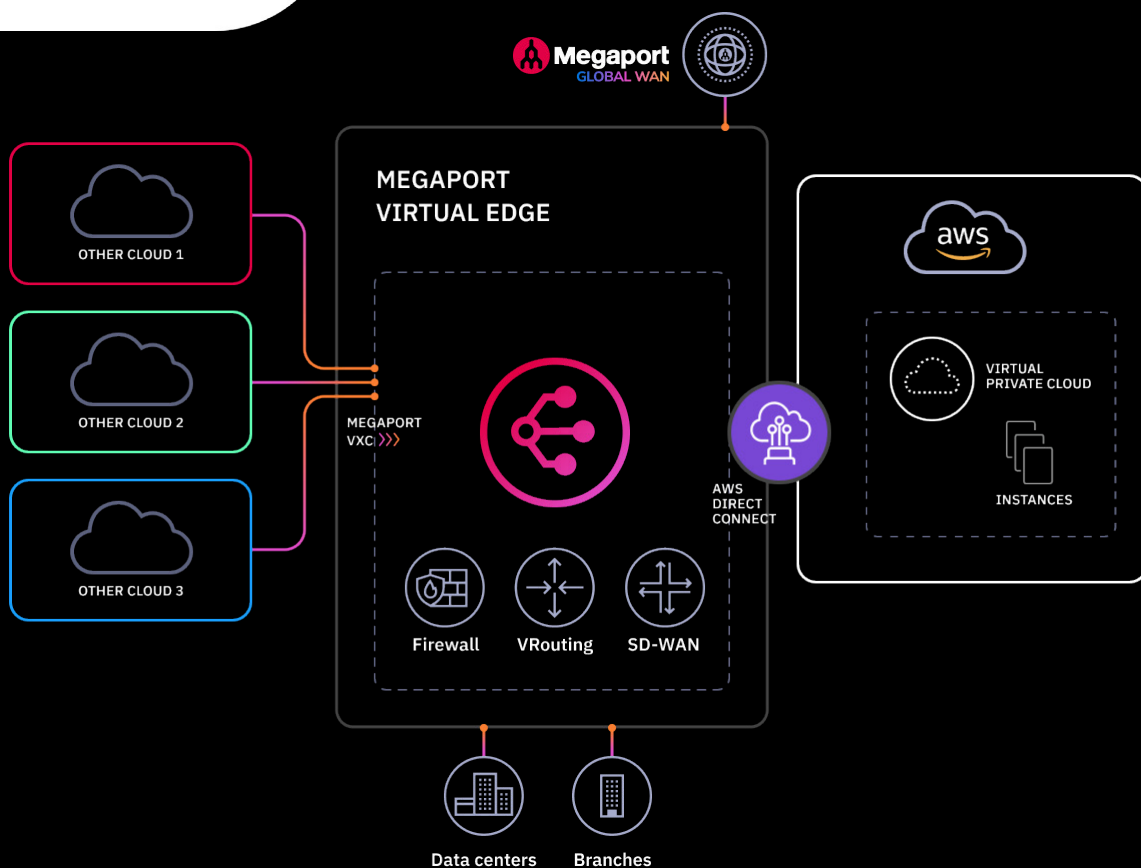
Integrate AWS into your global WAN

USE CASE – 07

Virtualize your data center footprint and seamlessly interconnect AWS into your global WAN.

With MVE, you can spin up industry-leading firewall, virtual routing, and SD-WAN solutions in minutes. Deploy MVE in over 145 global locations without having to worry about physical hardware or procuring space and power.

Interconnect these virtual connectivity hubs with our private Global WAN in seconds. Safely connect between cloud environments worldwide with added virtual firewall security between clouds, data centers, and SD-WAN-connected branches.





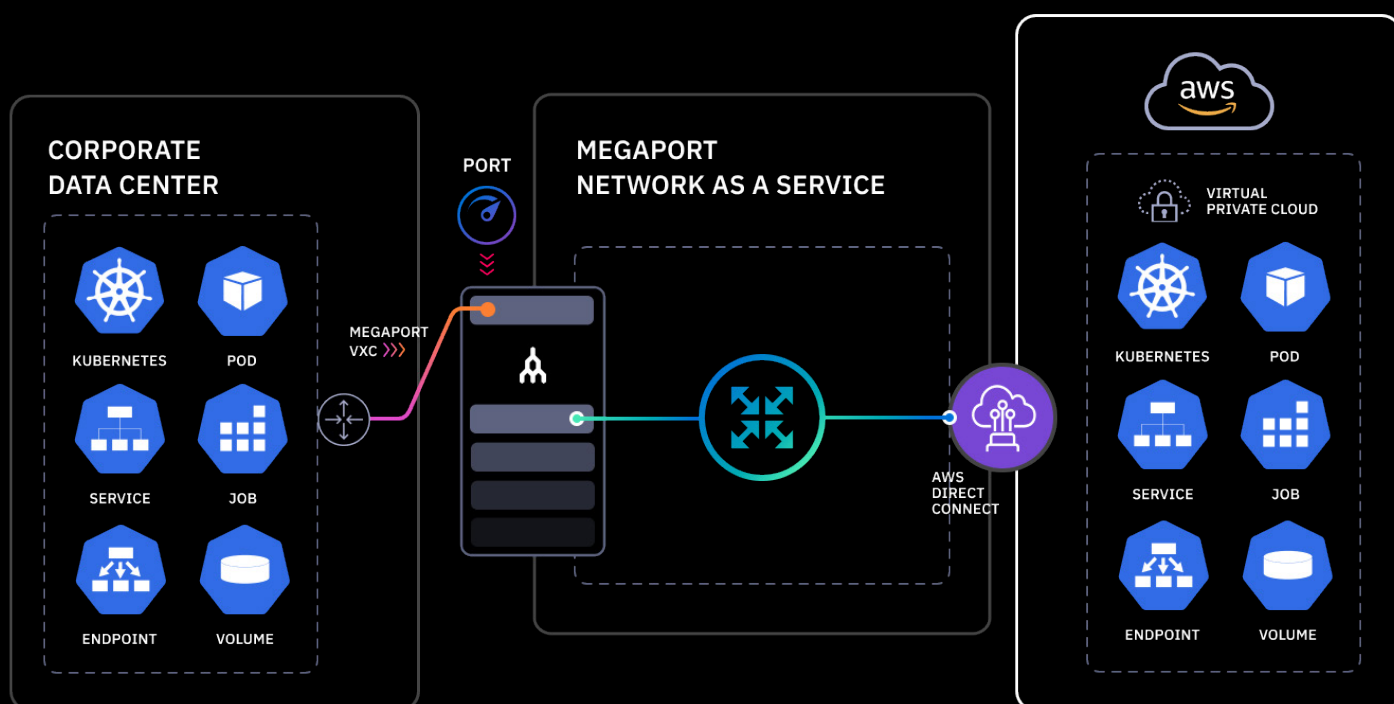
Kubernetes on AWS

USE CASE – 08

Seamlessly connect Kubernetes workloads running on-premises and in the cloud.

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.

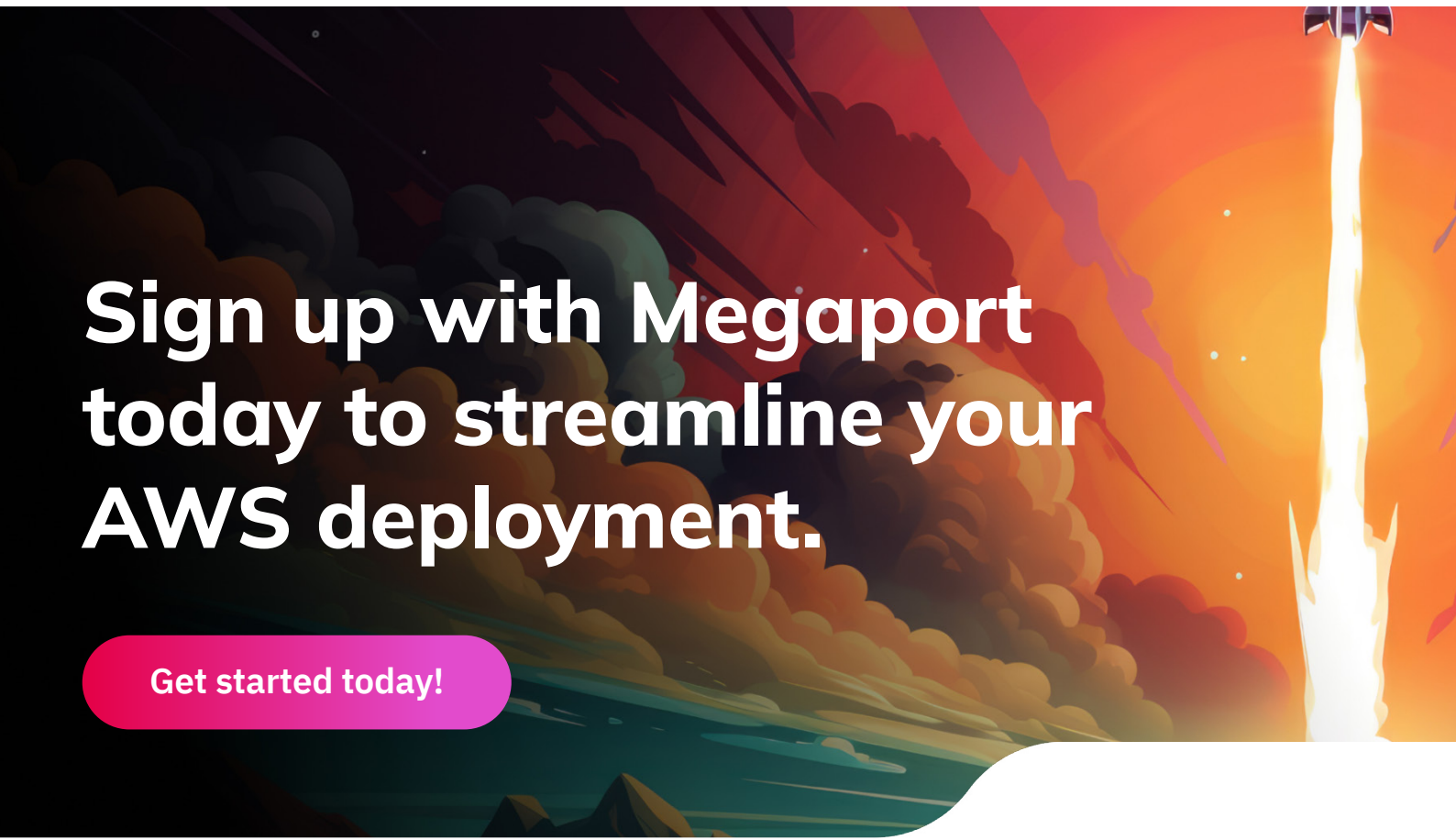




Next steps

Ready to simplify how you connect to AWS?

With MegaPort, you can provision private, scalable connectivity in minutes using our intuitive portal or open API. Start building a more agile and secure network today—no hardware, no hassle.



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

Get started today!

You're in good company.



TESLA



zoom

FedEx

M&CSAATCHI

gettyimages



NXP

Connect to the cloud in under 60 seconds.

Megaport is a leading provider of Network as a Service (NaaS) solutions. Our global Software Defined Network (SDN) helps businesses rapidly connect their network to services via an easy-to-use portal or our open API.

Megaport makes network connectivity easy and agile, reducing operating costs and increasing speed to market compared to traditional networking solutions. We partner with the world's top cloud service providers, as well as the largest data center operators, systems integrators, and managed service providers.

For the world's most significant networking and connectivity challenges.



megaport.com

info@megaport.com

Phone: +61 7 3088 5999

Fax: +61 7 3088 5998

Level 3, 825 Ann St,

Fortitude Valley, 4006, AU.

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