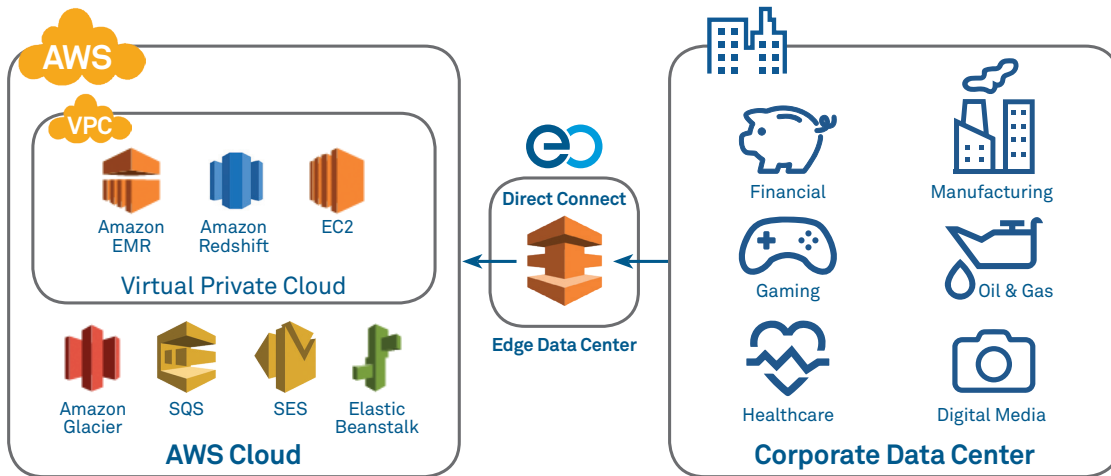# AWS Direct Connect
Solutions Brief

Amazon Web Services Direct Connect Available in EdgeConneX's Portland Edge Data Center, along with other virtual options in multiple Edge Data Centers across North America and Europe.

With AWS Direct Connect, companies can connect their IT infrastructure directly to Amazon Web Services in EdgeConneX's Portland Edge Data Center, or use other partnering Software Defined Networking platforms located in multiple Edge Data Centers across North America and Europe. These services establish a private connection to the cloud that can reduce costs, increase performance and provide a more secure and consistent network experience.

Amazon Web Services

Access AWS inside EdgeConnex to improve performance, reduce costs, increase security and leverage cloud computing for more applications.

What is AWS Direct Connect?

AWS Direct Connect Service Highlights

Consistent Network Performance
Network latency over the Internet can vary given that the Internet is constantly changing how data gets from point A to B. With AWS Direct Connect, you choose the data that utilizes the dedicated connection and how that data is routed which can provide a more consistent network experience over Internet-based connections.

Private Connectivity to your Amazon VPC
You can use AWS Direct Connect to establish a private virtual interface from your on-premise network directly to your Amazon VPC, providing you with a private, high bandwidth network connection between your network and your VPC. With multiple virtual interfaces, you can even establish private connectivity to multiple VPCs while maintaining network isolation.

Compatible with all AWS Services
AWS Direct Connect is a network service, and works with all AWS services that are accessible over the Internet, such as Amazon Simple Storage Service (Amazon S3), Elastic Compute Cloud (Amazon EC2), and Amazon Virtual Private Cloud (Amazon VPC).

Reduce Your Bandwidth Costs
If you have bandwidth-heavy workloads that you wish to run in AWS, AWS Direct Connect reduces your network costs into and out of AWS in two ways. First, by transferring data to and from AWS directly, you can reduce your bandwidth commitment to your Internet service provider. Second, all data transferred over your dedicated connection is charged at the reduced AWS Direct Connect data transfer rate rather than Internet data transfer rates.

AWS Direct Connect access is available in the following locations

North America (map with locations):
- Portland — Native AWS Location
- Santa Clara
- Salt Lake City
- Denver
- San Diego
- Phoenix
- Detroit
- Memphis
- Nashville
- Atlanta
- Houston

Europe (map with locations):
- Warsaw
- Munich

Legend:
- AWS Direct Connect Enabled Edge Data Centers
- AWS Direct Connect Coming Soon
- AWS Native AWS Location

Expanded On-Ramp Availability via Megaport

At non-native on-ramp locations, EdgeConneX partners with Megaport to bring private cloud access solutions to the edge. Megaport uses their software service controlling a global network infrastructure to supply elastic bandwidth for virtual connections to AWS, all available through a web portal or mobile app, allowing full automation and service flexibility. Key benefits include automatic on-demand provisioning, flexible service terms, and full network management control to help align to the changing needs of your network.

Global Footprint

EdgeConneX specializes in providing purpose-built, edge-of-network facilities that enable the fastest delivery of bandwidth intensive, latency sensitive content and applications to local consumers and enterprises. EdgeConneX currently operates over 40 Edge Data Centers® in over 30 Unique Markets across North America and Europe and is rapidly expanding both the number of facilities that it operates and markets it serves.

Flexible Business Model

Our creative approach facilitates innovative distribution models that support our customer's content and applications at the edge of the network. Our purpose-built Edge Data Centers® are designed and deployed in conjunction with our customers to ensure the most efficient placement of their content and applications. Our ability to also support high availability applications and high powered deployments for customers ensures the necessary reliability and performance mandates desired by our customers.

Ecosystem Enablement Platform

EdgeConneX is trusted by the world's leading and most influential network, content, cloud and enterprise companies to connect and deliver their data at the Edge of the Network.

EdgeOS

Created and patented by EdgeConneX, EdgeOS® is a next generation data center operating system that allows a single, secure view of every customer's infrastructure across our global footprint.

Local Proximity

The EdgeConneX Edge Data Center® (EDC) has been purpose-built and precisely located in order to provide a secure colocation facility for customers wishing to deliver content and applications to local-market consumers, with the lowest possible latency. Partnering with network and cable operators at the local level, our carrier neutral facility guarantees the shortest and fastest routes for delivering content to local market subscribers (consumer and enterprise) and Internet customers.

AWS Certified Partner

aws partner network

EdgeConneX is a certified member of AWS Partner Network.

For more information, visit us online:
www.edgeconnex.com/aws

Or call us at 1.866.304.3217