AWS

Direct Connect Infopaper

How to Save on Connectivity Costs

One Port, Unlimited Possibilities

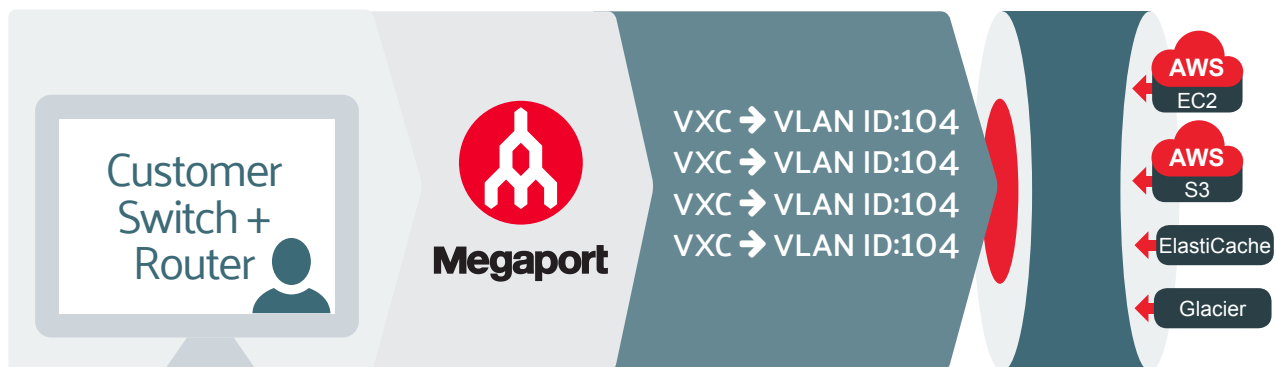## Order, provision and manage AWS Direct Connect with Megaport

Why us?

Our software-based technology allows us to integrate with both AWS public and private interfaces providing you the access and the ability to scale your connections in tandem with your web services. Reduce your AWS egress costs, increase your throughput and increase your network consistency.

Our services have no lock in contracts, no minimum bandwidth requirements and allow you to scale in real time from 1 Mbps – 10 Gbps.

How we get you there

A Megaport is provided at an interface speed of 1 or 10 Gigabits per second. These are configured as 802.1Q VLAN trunks to support multiple services on a single port. To establish your AWS Direct Connect you simply select AWS from our list of partners and establish a Virtual Cross Connect (VXC). VXCs are a point to point Ethernet pseudo-wire presented as a VLAN between your Megaport (A end) to Amazon Web Services (B End) in your closest AWS region.

Customer Switch + Router

Megaport

VXC ➜ VLAN ID:1O4
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AWS EC2
AWS S3
ElastiCache
Glacier

Tip: You can aggregate many connections to AWS from 1 Port.

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Network Control and Real-Time Analytics

The Megaport portal enables you to establish your AWS Direct connect via our online portal. We've integrated with the AWS console where you can order by simply entering your ASN, AWS account ID, virtual type and the period you want to run the connection for. The AWS BGP Auth key and VLAN's will be automatically assigned and presented to you. Scale and control services on the fly, accept connections, monitor, pull service specific reports as well as add and manage service groups.

Optimising connectivity costs to cloud services

Our services are aligned with the cloud compute model, offering AWS customers the flexibility to order connectivity with your cloud services.

Our pay-as-you-go

Model gives you the option to order services on the fly for a day, month, week or year.

Reduce your Egress Costs

By transferring data to and from AWS directly, you can save your bandwidth commitment with your Internet Service Provider. Data transfer rates are charged far lower via Megaport than Internet data transfer rates.

FAQ's

1. **Will I be charged AWS Port fees on top of my Megaport service?**
   No, Megaport includes the AWS port fee's in it's pricing structure.

2. **Are the connections provided as protected or unprotected?**
   Protected guaranteeing automatic failover.

3. **How long does it take to provision a new connection to a new VPC?**
   Almost instantly, simply go in and order a new VXC and add in the relevant account IDs.

4. **How do I create diversity between Megaport and AWS**
   We recommend establishing a second port from another Megaport enabled data centre and mapping these VXC's to a second AWS PoP if available in your region.

5. **Can we have one VXC and have all of our VPCs peer back to our data centres over the one VXC This would require us to present the same VLAN (VXC) to each VPCs Virtual Gateway. Is this possible?**
   Unfortunately no, however there is no set bandwidth limit on VXC's and this is a cost effective way to manage all services.

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