Megaport Cloud Router.

Enabling redundant multicloud networks to deliver unique data, technology, and analytics solutions.

Megaport

About the Company

A leading global provider that delivers unique data, technology, and analytics solutions to its customers in business and politics, engaged Megaport to enable a flexible, redundant multicloud network architecture. Positioned at the bleeding edge of technology, the company needed a progressive cloud connectivity solution to bring integrated capabilities to their customers helping them to understand and leverage data to its full potential, taking it from informative to actionable.

Case Study Snapshot

- Needed a solution that would allow the flexibility to easily add peers to private cloud environments across various departments while maintaining a single peer back to customer router.

- Enabled a multicloud network architecture with Megaport Cloud Router (MCR) that allows customer to connect to AWS with the ability to add additional clouds in the future.

- Established peering to customer router with single BGP providing the ability to add additional peers between MCR and cloud environments.

- Allowed for built-in redundancy with second MCR peering with customer router and mirroring connections to the cloud.

Challenges

The company's IT Director required a flexible solutions for connecting to their critical cloud environments. The objective included also establishing a single peer back to a customer-owned router. The ability to easily add peers to private cloud environments for each of the Director's departments was a must – as well as the ability to peer back to their customer's router on demand when the teams needed connections without much notice.

Key points

- Typically, connecting to multiple cloud environments - public and private - would require fixed terms and would not allow for the flexibility the company demanded. For teams that need to act quickly as demands change, a network without flexibility isn't ideal.

- The team needed the ability to connect between their AWS and Oracle platforms with ease.

- It usually takes a highly complex network architecture to achieve multicloud connectivity between many cloud environments – without a next-generation cloud connectivity solution, it's almost impossible to do this while maintaining a single peer back to a customer's router.

- Adding additional peers between a customer's router can be a difficult process that can usually take weeks to months to establish through traditional connectivity means.

- The company also wanted to build redundancy into their cloud connectivity setup for added network resilience. There can typically be high costs and long lead times associated with mirroring connections in this way.

Solution

The company's IT Director used MCR to create a high-performance multicloud strategy to facilitate many connections to public and private cloud platforms while maintaining a single peer back to customer routers.

Key points:

- The company deployed two Ports at a Megaport enabled data centre. They completed a single mode fiber cross connect via their Data Centre Operator.

- They then established two MCRs in two seperate locations within the same metro for redundancy.

- Finally, the company established BGP peering between these environments.

Benefits

The company established a flexible solution, using Megaport services, to meet the needs of its various departments.
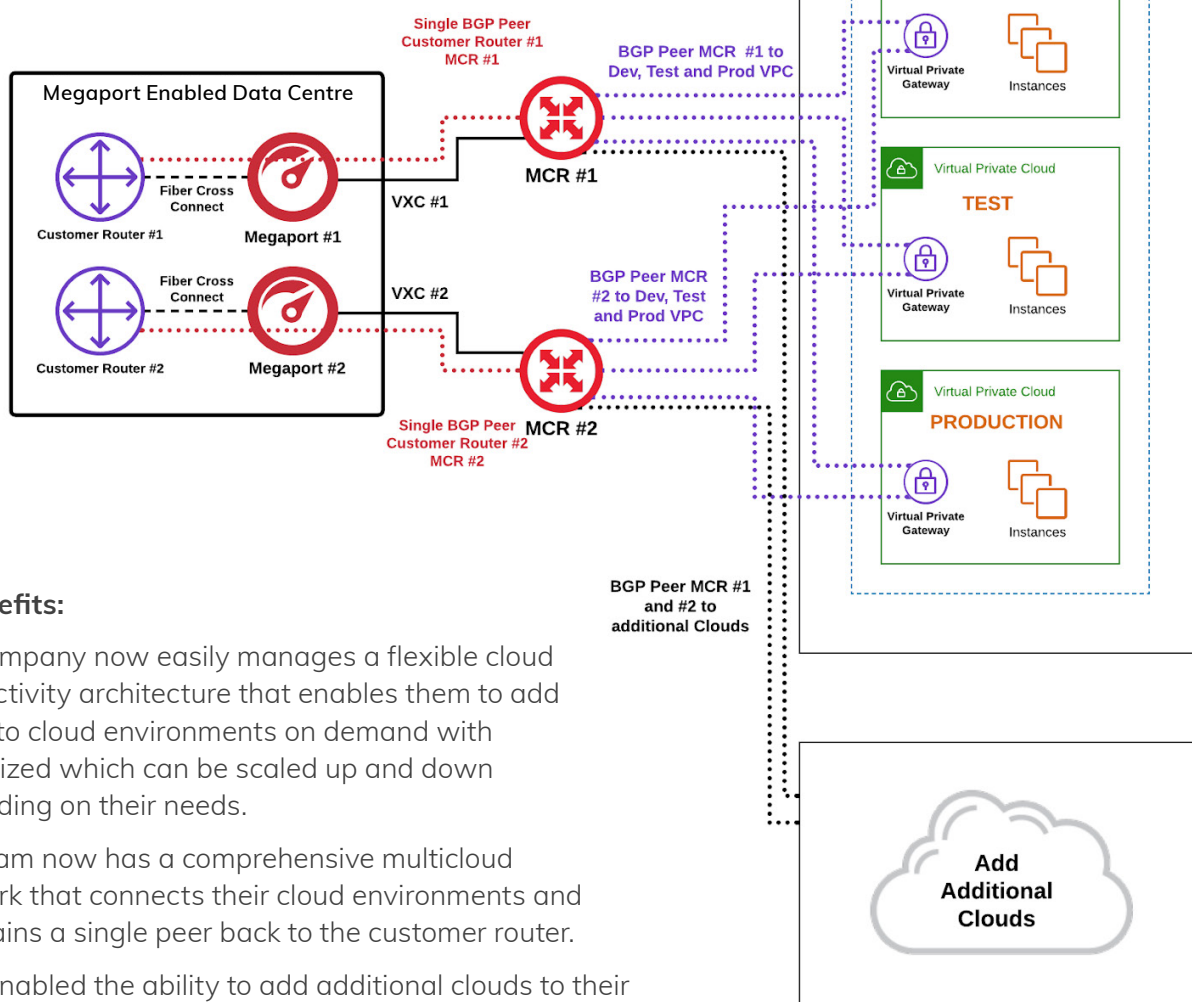

Key benefits:

- The company now easily manages a flexible cloud connectivity architecture that enables them to add peers to cloud environments on demand with right-sized which can be scaled up and down depending on their needs.

- The team now has a comprehensive multicloud network that connects their cloud environments and maintains a single peer back to the customer router.

- They enabled the ability to add additional clouds to their footprint in the future in a simple, on-demand way.

- They have built-in redundancy with their second MCR peering with the customer router and mirroring connections to the cloud.

- Establishing MCRs on-demand

- Creating additional connections to CSPs in minutes.

Future plans

- Add additional clouds, Azure and Google in the future.

- Looking at additional data center locations for additional connections.
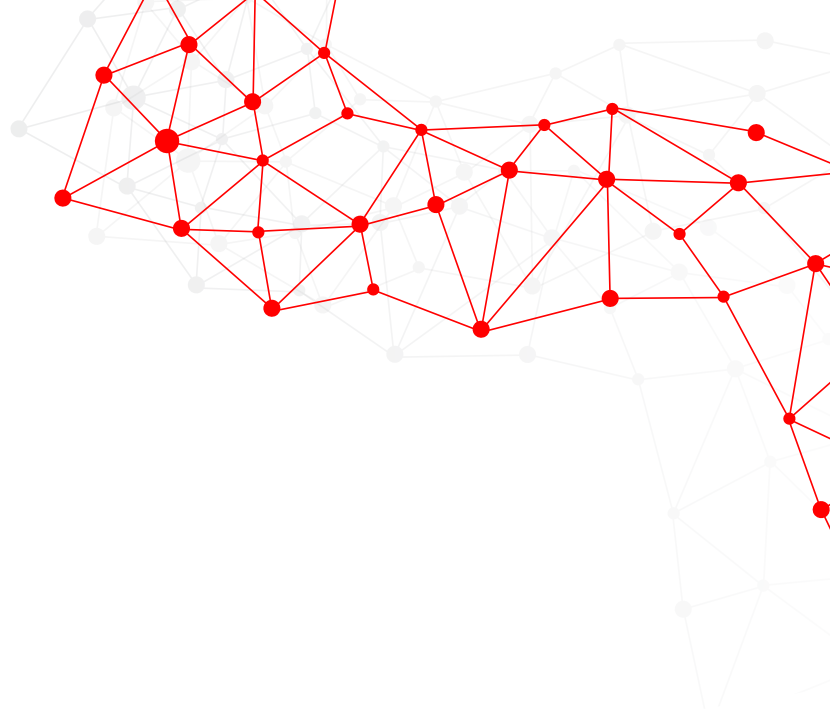
More information

We make connectivity easy

Megaport is the highly scaled Network as a Service (NaaS) organisation utilising 100 Gbps technology to deliver dedicated access to cloud services. The Company's Software Defined Network (SDN) enables the interconnection of enterprises and service providers across hundreds of data centre locations around the globe. Fast, flexible, and dynamic, Megaport's connectivity solution is transforming the way businesses reach leading cloud services from Microsoft, Google, Oracle, Amazon Web Services, Nutanix, SAP, IBM, Salesforce, and Alibaba.

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