Interconnection Mesh

Reduce complexity and streamline your data center interconnection strategy for multi-site deployments

In order to keep up with growth supporting business requirements, companies are adding needed application capacity close to users in regional markets. Connecting 2 and even 3 data centers is relatively manageable but once additional locations are added, the complexity and management of the network becomes resource intensive.

Companies need solutions that allow them to add more redundant sites and services more quickly and easily without the need for additional configurations or multiple circuits.

The Flexential Interconnection Mesh is designed to be a superior and agile layer 2 ELAN service that simplifies multi-site network connectivity and provides built in redundancy to ensure high availability connections allowing for an Any to Any type of connection. This allows customers to plug into ports and instantly have connection to all other ports on the same connectivity mesh.

Gartner forecasts that the number of Internet of Things (IoT) devices will triple from 2020 – 2030, growing to a compound annual growth rate of 11%. **Predicts 2022: The Distributed Enterprise Drives Computing to the Edge**
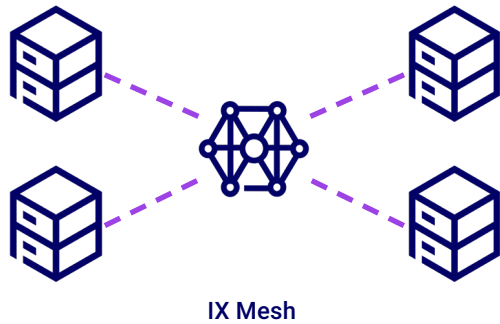
Key Benefits

- Any to any connections
- Seamless quick provisioning
- Reduced complexity
- Improved scalability
- Simplied network strategy
- Inherent redundancy and increased reliability
- Ease of expansion capabilities

Simplify Multi-Site Network Connectivity

The current trend of placing multiple networks stacks in regional markets requires more Data Center Interconnections (DCI) which means more carrier circuits, more cost and increased complexity and friction. This process can lead to long deployment processes and slows time to market. In addition, it produces unpredictable reliability and is not inherently redundant.

IX Mesh

Interconnection Mesh Funtionality	
Availability markets	All Flexential colocation
Ethernet Product	E-LAN
Backbone Technology	Ethernet
VPN over MPLS Interface	- 1G SMF (1310m) - 10 G SMF (1310m)

Interconnection Mesh is just one component of our Interconnection solutions. Flexential also provides Point to Point connections through our DCI products, Connections to the Public cloud (AWS, Azure GCP), and Internet Transport services. Flexential Interconnection solutions enable the FlexAnywhere Platform to give customers a path to grow, scale and interconnect their businesses.

- The fastest growing segments will be manufacturing and natural resources (18% CAGR), healthcare providers (13% GAGR), and smart buildings (12% CAGR). **Predicts 2022: The Distributed Enterprise Drives Computing to the Edge**

- Global cloud data center traffic to reach 19.5 zetabytes(ZB) per year by 2021 (27% compound annual growth rate from 2016 – 2021 (Source: **Gartner Cloud AI Developer Services 2020**)