FLEXENTIAL®

Flexential Network Hub

Enable increased application performance and optimized infrastructure

Building a highly distributed, interconnected, wide-area network poses several challenges. Customers, employees, vendors, and partners comprise a complex ecosystem of end users who need reliable access to multiple public clouds, SaaS solutions, and on-premises applications to keep up with the pace of business. Unfortunately, traditional infrastructure that is dependent on point-to-point connectivity to a centralized data center causes high latency due to traffic having to backhaul from remote sites to access workloads. The result is a siloed IT delivery model that lacks digital integration across multiple environments and is not scalable for organizational growth.

Additionally, it is difficult to adequately reach internal and external end-user communities that are geographically spread out across the U.S. with a centrally located data center for applications and network services. An integrated platform is the key to deploying infrastructure at the digital edge while reducing latency and bandwidth costs and providing predictable performance and an enhanced user experience.

Optimize connectivity

To support the growing requirement for low-latency access to cloud applications, you need a strategic network of geographically distributed network access points or hubs. Hubs enable you to optimize your architecture for today's rigorous demands.

Flexential Network Hubs placed in strategic locations with high traffic volumes at the edge reduce latency and bring direct connectivity to clouds, networks, and ecosystems closer to users. By deploying infrastructure near customers, employees, vendors, and partners, you enable responsive decisions to be made in proximity to where traffic is generated. The result is optimized bandwidth, as network resources are properly allocated to provide business-critical applications with private, dedicated connectivity that avoids the congestion of the internet.
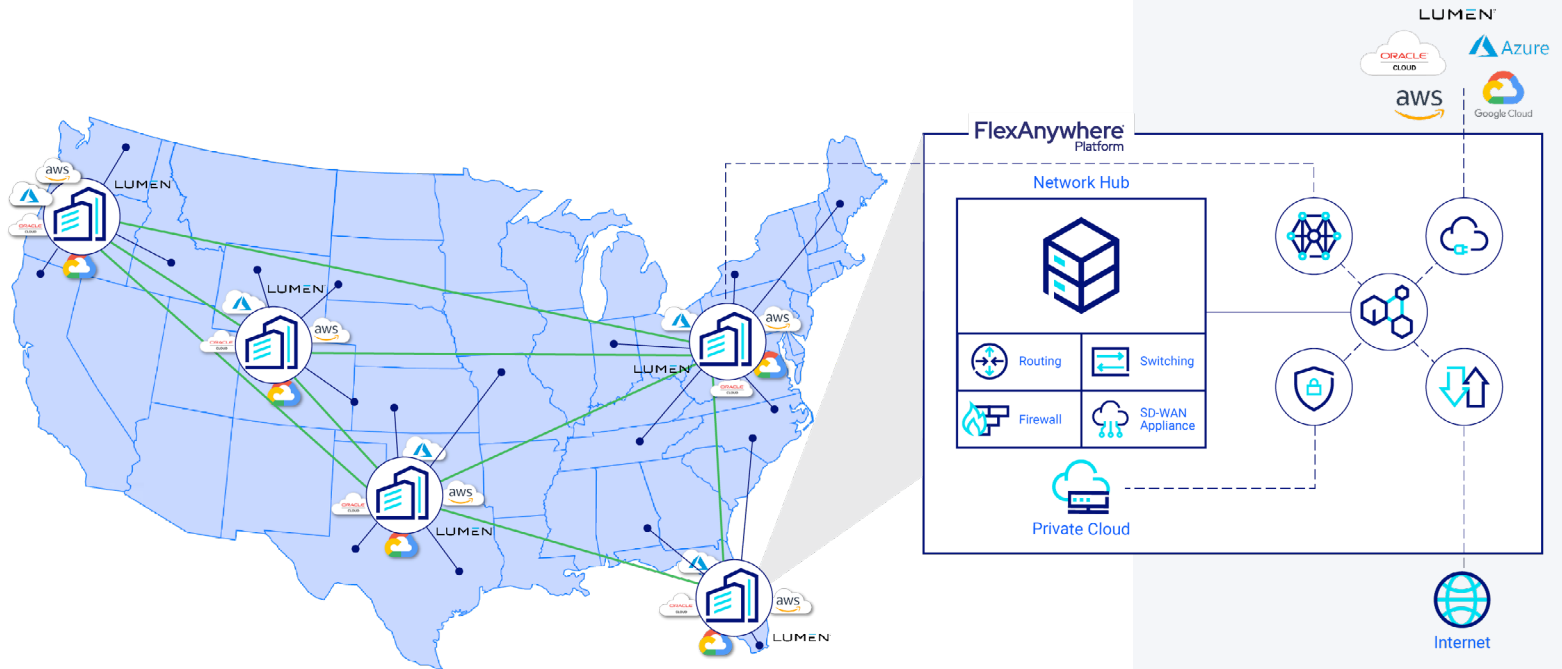
Flexential has among the most extensive nationwide interconnected network, providing industry-leading Data Center Interconnect services to 40+ facilities in 19 markets.

- 11 carrier hotels
- 300+ on-net carriers
- 100 Gbps national backbone, scalable to 400Gbps
- 19,750+ interconnections
- Connectivity to AWS, Microsoft Azure, Google Cloud, Oracle Cloud, and Lumen NaaS
- 32+ cloud and network service provider on-ramps
- 10 Cloud Fabric nodes

Achieve infrastructure goals

The FlexAnywhere Platform provides enterprises with access to a comprehensive suite of services, including colocation, cloud services, interconnection, data protection, and professional services, to support their hybrid IT journey and help them achieve their infrastructure goals. Network Hubs, part of our distributed foundational infrastructure, combined with an integrated interconnection portfolio and collaborative partner ecosystem, remove the physical distance to users and applications by connecting directly to localized service providers at the digital edge.

Take advantage of flexible transport solutions, including Data Center Interconnect (P2P pseudowire) and Interconnection Mesh (E-LAN); internet connections with IP Bandwidth; and connectivity to leading public cloud providers and carrier destinations with Cloud Fabric. Telco carriers and ecosystem partners are just a cross connect away from customer Network Hubs, and Flexential also provides direct access to subsea connectivity. Plus, you can utilize Flexential Fabric, the single port solution for software-defined interconnection, to connect and manage your services on-demand through a user-friendly web-based portal.

Benefits

- Scalable data center footprints and connectivity
- Private, secure, and reliable connectivity from the local edge to the cloud (and everything in between)
- Reduced latency and improved performance achieved by distributing workloads and bringing applications closer to the user
- Optimized costs achieved by placing data adjacent to compute resources for faster, more efficient workload processing
- Simplicity in building, scaling, and deploying additional locations, capacity, and services through an ecosystem of space, services, and interconnection designed to work together seamlessly

Questions

Visit our website or contact us to learn more about Flexential Network Hub