

Mission-Critical Data Replication Requires High Bandwidth, Predictable Latency and Strict Isolation

CoreSite's Open Cloud Exchange® Delivers a Fully Interconnected Private Network



Customer Challenge

Rapid decision-making requires defense technology companies to securely connect data centers, unify distributed data platforms and quickly scale network capacity as demands evolve, all while minimizing operational complexity. This government defense tech company needed to connect geographically dispersed data centers with requirements for high-volume replication, active-active operation and on-demand scalability.

The Solution

The CoreSite solution consists of the Open Cloud Exchange (OCX) with a fully interconnected, multi-site architecture and private network that delivers predictable performance, low latency, network isolation and built-in resiliency. The solution provides 100G connectivity between locations, with redundant 50G connections to support continuous, high-volume data replication. Internet-facing traffic destined for other federal resources and remote providers is securely segmented and supported by 5Gbps of blended IP connectivity. A standardized connectivity template allows any CoreSite data center to join the private mesh immediately. Each of the four sites, located in Silicon Valley, Orlando, Atlanta and Northern Virginia, can serve as a data recovery location.

4

CoreSite markets,
fully interconnected

100G

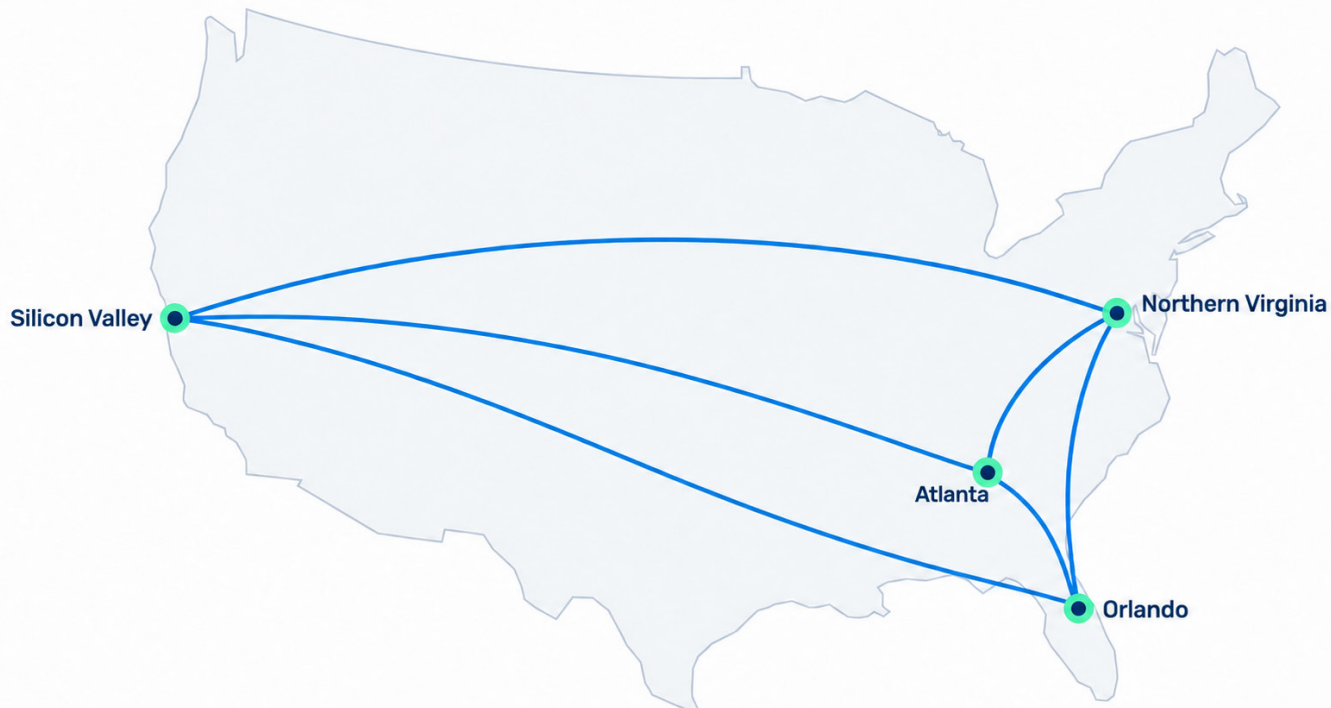
Throughput between
every pair of sites

2x50G

Redundant EVCs
on every path

5Gbps

Blended IP for
internet-facing traffic



About the Open Cloud Exchange

The software-defined platform establishes dynamic connections and end-to-end privacy via dedicated Ethernet virtual circuits. Traffic is completely isolated from the public internet. As data volume grows, new physical circuits or construction are not required to scale. With the OCX, customer can instantly turn up and turn down services with a few clicks.

CoreSite customers can access the platform in all CoreSite data centers. A self-service portal makes it easy to order and manage the ports, virtual circuits, virtual routers and bandwidth.

The Takeaway

CoreSite's solution meets or exceeds requirements for:

- ✓ **Rapid deployment**
- ✓ **High-speed connectivity**
- ✓ **Redundancy**
- ✓ **On-demand scalability**
- ✓ **Turnkey expansion**

LEARN MORE

[Talk with a CoreSite solutions architect](#) to find out how a scalable national platform and private network can deliver reliable data replication and resiliency.

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