Lumen® Data Access Accelerator

Execute on data across your WAN like it's your LAN.

Lumen® Data Access Accelerator empowers your enterprise to create operational efficiencies by enabling you to access, analyze, and act upon unstructured data with near LAN performance regardless of distance, unleashing the value of your distributed data assets across secure networks virtually anywhere, anytime. As a global federated data platform for efficiently uniting applications and maximizing compute, storage and cloud, it allows you to execute on data without copying or moving files.

Accelerate time to value

Access geographically dispersed unstructured data sets where it resides without the need to copy data first.

Strengthen data integrity and security

Mitigate exposure to data exfiltration by executing on data where it is originally stored without making copies.

Simplify data management

Streamline your workflow and reduce the time and cost it takes to access files by more than 95%[1] with a solution fully managed and monitored by Lumen.

[1]Based on Vcinity data at vcinity.io

Sample Use Cases

- Speeding time-to-insight for analytics tools and applications like machine learning and AI
- Increasing workflow productivity by giving users access to files from virtually anywhere, in near real-time
- Optimizing user experiences on a simplified, geography-agnostic, remote data access infrastructure

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Features and Specs
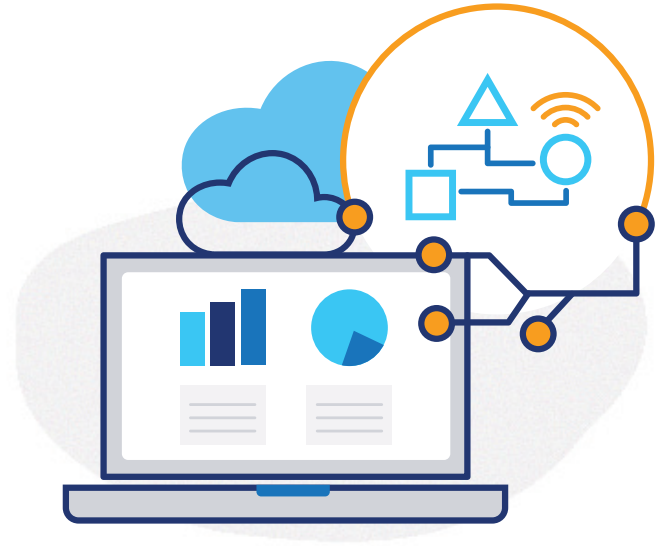
Fully managed and monitored by Lumen

- Location agnostic, scalable and integrated with existing infrastructure
- Remote configuration and installation of infrastructure into your enterprise network with option for onsite installation
- Hardware and software monitored and maintained through an efficient OpEx model

Global data fabric

- Remote Direct Memory Access across WAN bypasses common slow-downs with traditional TCP/IP
- Enhanced flow control including buffer credits to provide lossless access to remote data
- Packet Loss Recovery minimizes impact of retransmissions
- No compression or deduplication required
- Parallel files system provides rapid access to data across WAN

Transparent to applications

- Integrate infrastructure with existing compute and storage via Network File System (NFS) and Server Message Block (SMB)
- Users connect to their local DAA node via NFS or SMB
- Remote storage presented locally through native file management programs via DAA

Why Lumen?

With an expansive network of approximately 450,000 route miles of fiber, Lumen delivers a global platform of infrastructure, technology and people to provide the secure, seamless and timely movement and analysis of data across the globe—innovating how you acquire, analyze and act on data to propel your business forward.

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