

DataNexus with Vcinity UltimateX

Data access without boundaries



Benefits

- ▶ **Unbounded Access to Data**— Provide remote access to data in a hybrid environment.
- ▶ **Hybrid Cloud Integration**— Seamlessly connect on-premises to cloud while retaining full control of your data.
- ▶ **Rapid Data Transfer**— Move terabytes to petabytes of data securely at unprecedented speeds.
- ▶ **Improve Efficiency**— Maximize available infrastructure, speeds workloads and shortens application run times.
- ▶ **Lower TCO**— Reduce “copy sprawl” for lower storage costs and stronger data security.
- ▶ **Improve Productivity**— Streamline distributed workflows and enhance real time collaboration.

Why DataNexus with Vcinity UltimateX

Penguin Computing collaborated with Vcinity to offer Penguin Computing DataNexus™ with UltimateX™, a data access solution that allows you to access and manipulate data remotely without the need to move it or transfer it at unprecedented speeds when you do need to.

With the DataNexus no-copy, no-move paradigm, you don't need to collocate enterprise applications and data. You can collaborate on data sets without having to move it in or out of your on-premise, multi-cloud, or hybrid environments.

DataNexus transforms the WAN into a Global LAN, enabling instant, secure access to data anywhere without downloading, uploading, copying, pre-caching, or pre-staging. This allows for application- and data-agnostic operation to truly leverage enterprise data when and where it is created.

The Data Access Challenge

Enterprises will waste billions of dollars by 2025 moving files around as applications and data have to be collocated. Explosive data growth and hybrid, multicloud infrastructures exacerbate the problem by copying files everywhere and moving racks and trucks full of data around. The pervasive move-copy paradigm also affects productivity due to the delays in the arrival of data.

Existing approaches require the transfer and replication of the data, leading to copy sprawl

and compromised data security. Even with data transfer, data arrives at the destination in an unpredictable time and performance varies with data type/size and application.

Utilizing existing technologies and applications is so cumbersome that even physical transportation of media or data is considered an acceptable solution.

DataNexus Features:

Industry-proven Technologies

- ▶ Stage and pressurize data across a WAN to reduce packet loss, reduce network latency, and increase network bandwidth utilization.

Connected Data Sets

- ▶ Federated data can be virtually consolidated over one or more WAN connections to create a worldwide data set.

Management Interface

- ▶ Command X provides an easy-to-use, web-based GUI to monitor performance and configure multiple nodes.

Flexible File Management System

- ▶ Access X provides easy-to-use, web-based comprehensive file management and synchronization software.

Learn More

- ▶ Visit our [DataNexus website](#) for more information.
- ▶ Download our [Solution Brief](#) that provides details on the DataNexus components.
- ▶ Download our [Services Brochure](#) to learn how to make the most of your Penguin Computing solutions.

The Penguin Computing Solutions Approach

Penguin Computing, through its technology practices and solutions, makes advanced technologies in AI/ML, Data, Cloud, and HPC more accessible and dramatically shortens the time needed to adopt them. We leverage decades of deep experience delivering fully packaged, tested, and supported platforms to simplify the emerging technologies required for today's most critical and demanding workloads.

Penguin Computing DataNexus with Vcinity UltimateX allows you to solve your large data challenges by delivering a proven and tested turn-key enterprise solution that gives you the ability to provide unbounded and secure access to data in either a cloud or hybrid cloud environment. Seamlessly integrate and present as standard storage types without application changes.

If you have large amounts of data that you need to move, transfer, consolidate across multiple, disparate silos, DataNexus can help you do that as well, and at speeds up to 10X faster than other solutions.



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