

Distributed file storage service for a hybrid environment

With Vcinity's Global LAN

VCINITY DELIVERS

- Scalable, distributed storage file services for a truly hybrid (on-prem, multi-cloud) environment
- Processing on data remotely by keeping it in-place
- Save on data egress fees by not storing certain data in the cloud and reducing the amount of data leaving the cloud to user locations
- ~50-80% reduction in storage and management costs associated with copy sprawl
- Data-agnostic—Work seamlessly with any data type
- No application rewrite—Easy integration into current workflows
- File shares presented with standard interfaces (SMB/NFS)—Seamless integration into existing IT infrastructure
- No client software/agents—Ease of operation
- No need to redo access policy—maintain existing security policy

Challenges

For decades, legacy enterprise architectures have relied on the paradigm of collocating compute and data, whether it is on-premise or in the cloud, to meet application performance requirements. With the continued explosive growth of unstructured data, waiting for data to be transferred to the compute location across global distances compromises the application's ability to use the data in a timely fashion. Even with hybrid cloud strategies, enterprises are faced with the following challenges:

- The time it takes to migrate data into the cloud
- Copy sprawl and associated management and infrastructure costs as datasets need to be moved to the compute location(s)
- Loss of control of valuable data assets and implementing security policies consistently across sites
- Egress fees to move data back on-prem for regulatory, reverse-cloud strategy or even consumption reasons

All these factors affect an enterprise's productivity, agility and efficiency in handling the growing need for geographically dispersed data assets.

The Vcinity Solution

Vcinity's ReachIO™ technology creates a distributed file storage service by consolidating and federating file content across data centers, multi-cloud, and remote offices. ReachIO removes the penalty of time in moving data to the compute as data does not need to be downloaded, copied, pre-cached or pre-staged. This reduces capital and operational expenses by avoiding unnecessary data replication and decreasing physical IT infrastructure required to store redundant copies. All users work with a common, current set of data at speed maximizing its true value and improving time to decision.

ReachIO enables businesses to avoid creating data copies or surrender sensitive information to compute/cloud providers outside of their organization. In addition, Vcinity's Secure DataPrizm™ technology obfuscates data in-flight across multiple paths and dual encryption secures it, reducing the ever-growing risk of compromised or lost information.

Vcinity’s solution enables a distributed file storage service with the compelling benefits described in the following sections.

Unparalleled Accessibility

- ReachIn™ to remote data in-place without creating copies
- Real-time access to fresh datasets regardless of where (on-prem, multi-cloud, or colo) and when they are created
- Access to complete datasets, which otherwise would be reduced to decrease delays due to data movement

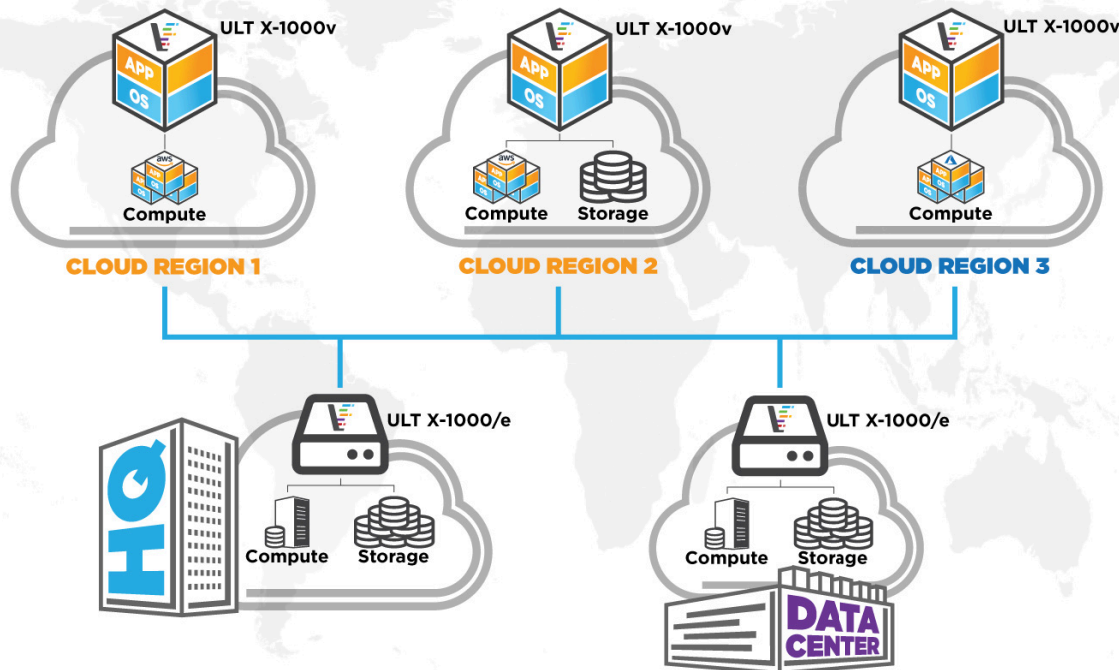
Cost Savings & Control

- Save on data egress fees by not storing certain data in the cloud and reducing the amount of data leaving the cloud to user locations
- ~50-80% reduction in storage and management costs associated with copy sprawl¹

- Efficient access for local and remote collaboration ensuring better control and security of valuable data assets
- Secure DataPrizm™ —Data obfuscation across multiple paths with optional dual encryption to reduce the risk of compromised or lost information

Efficiency and Transparency

- Data-agnostic—Work seamlessly with any data type including encrypted or compressed data
- No application rewrite—Seamless integration into current automated workflows
- File shares with industry-standard interfaces (SMB/NFS)—Easy integration into existing IT infrastructures
- No client software—Ease of operation and maintenance
- No need to redo access policy—maintain existing security policy



¹Based on Cohesity Secondary Data Market Study, October 2018



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