

## Improving the Value and Effectiveness of NAS

With Vcinity's Global Unified Data Fabric

### VCINITY DELIVERS

- Distributed NAS file services via global unified data fabric
- Processing data remotely by keeping it in-place
- 50-86% reduction in secondary data copies—substantial storage cost savings
- Better control and security of valuable data assets
- Transfer data only when required
- No data pre-processing—Work seamlessly with encryption for data in-flight
- No client software/agents—Ease of operation
- File shares presented with standard interfaces (SMB/NFS)—Seamless integration into existing IT infrastructure
- No need to redo access policy—Implement existing security policy
- No application rewrite—Easy integration into current workflows

### Challenges:

International Data Corporation (IDC) global research shows that 59% of organizations undergoing digital transformation face a “digital deadlock” due to legacy infrastructures laden with bottlenecks and dead ends. Legacy enterprise architectures have locked data in NAS silos, which limits access to it while complicating its security, management and protection. Per the Secondary Data Market Study conducted by Vanson Bourne:

- Almost nine out of ten respondents believed their organization's data is fragmented across silos and that it is increasingly becoming impossible to manage multiple, redundant copies of data.
- 63% of those surveyed have between 4-15 copies of the same data creating significant financial impact on storage costs.
- 48% of respondents take on average 4 months of the working year to manage secondary apps and data adding significant burden to IT teams' operating costs.
- Losing control of the data copies and implementing security policies consistently across sites poses a major concern for IT teams.

Thus, data fragmentation restrains the business's flexibility to leverage its own data and impacts the time to decisions/actions.

### The Vcinity Solution:

The Ultimate X™ (ULT X) product family provides a unified data fabric to consolidate and federate NAS content across data centers, remote offices and remote users. It provides a highly efficient data access mechanism without downloading, copying, pre-caching or pre-staging data and without waiting for the file transfers to complete. This facilitates the notion of a centralized repository of data, which can be directly accessed across the globe and removes distance barriers that created data silos in the first place.

The centralized approach enables both data integrity and security in an easy and effective manner. It reduces capital and operational expenses by avoiding data replication and decreasing physical IT infrastructure required to store redundant copies. Lastly, all users work with a common, current set of data at speed maximizing its true value and improving time to decision.

If data must be moved for file-transfer based workflows or certain application scenarios, ULT X moves it at unprecedented rates across any distance without requiring compression, de-duplication, or any other pre-processing of data. This enables ULT X to provide local caching to applications that need the data to be present at the compute (e.g., in the case of intermittent connectivity to the tactical edge).

Vcinity's solution addresses the NAS silos challenges with:

## Unparalleled Accessibility

- Transparent reachability for a remote user into large datasets anywhere
- Processing or editing of data remotely by keeping it in-place without downloading, copying, pre-caching, pre-staging or having to wait for a data transfer to complete.
- Transfer of data only when required for transfer-based workflows (e.g., backup for DR/COOP) or certain application scenarios (e.g., AI/analytics)

## Cost Savings & Control

- 50-86% reduction in data copies resulting in substantial cost savings
- Efficient access for local and remote

collaboration ensuring better control and security of valuable data assets

- Zero data loss (RPO) with near-zero downtime (RTO)

## Efficiency and Transparency

- 5-44x faster data replication across any distance
- No data pre-processing—Maintain data integrity and work seamlessly with encryption for data in-flight
- No need to redo access policy—Implement existing security policy
- File shares with industry-standard interfaces (SMB/NFS)—Easy integration into existing IT infrastructures
- No application rewrite—Seamless integration into current automated workflows
- No client software—Ease of operation and maintenance

