

# High Performance Cloud-Backed SAN/NAS

## SANScaler™ Solution Overview

### Most Primary Data is Cold

Enterprise data is hottest in the first 72 hours, cools rapidly over the next 30 days, and ends up effectively cold after 90 days. As a result, up to 90% of data stored in most on-prem SAN/NAS clusters is cold and almost never accessed again. Using online storage for such archival data storage is extremely costly. Yet, many enterprise applications require high-speed access to any-and-all data, thus making it difficult to migrate to tape storage or the cloud while maintaining a unified, cost-effective high-performance data plane.

### Achieve SAN-Level Performance with no On-Prem Footprint

**SANScaler** is a high-performance, vendor agnostic, multi-cloud solution delivering high-performance low-latency, redundant enterprise SAN volumes and filesystems on-premise with near-zero physical storage footprint. **SANScaler** can be deployed on your existing hardware or on dedicated appliances. It provides access to virtually unlimited cloud storage – exabytes of high-performance storage can be provided to thousands of users from 1/3<sup>rd</sup> of a rack. This allows you to reduce costs and eliminate on-prem storage footprint yet maintain high-speed access to data for on-prem applications. **SANScaler** achieves this using new optimized i/o, smart caching and efficient transaction processing, while also ensuring military-grade security and automated resilience.

## Benefits



### Slash On-Prem Footprint: Dynamically Move Cold Data into Cloud

Don't waste resources managing large on-prem footprints. Access competitive cloud pricing without sacrificing performance.



### Achieve Agility and Escape Vendor Lock-In

Easily mix and match or replace cloud or on-prem vendors with no impact on clients or applications. Dramatically cut costs and securely migrate to the cloud.



### Global Access from Anywhere

Access your data from anywhere around the world without having to replicate infrastructure footprint. No Need for Migration. Instant Replication.



### Reduce Costs

By reducing on-prem footprint and escaping vendor lock-in, you can access competitive pricing from any vendor.



### High Performance

Compression, encryption, and fast transaction processing are built-in. New smart caching provides low-latency performance for your most active data. Cold data is transferred cost-effectively to the cloud while also minimizing overall traffic.



### Straightforward Deployment

No disruptions. **SANScaler** can be deployed on existing hardware or using dedicated appliances. No client application or infrastructure changes required.



### Ultra-Strong Security

Operate in a Zero Trust paradigm. Don't just rely on users and backend providers to do the right thing. Encrypt everything end-to-end using enterprise-side keys.



### StorageFabric Optimized

**SANScaler** also plugs seamlessly into [StorageFabric](#) to benefit from all its capabilities, including multi-cloud backends, protection, unified access control, global visibility, unified identities, enhanced resiliency, and many more.