

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 1/3rd 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.