

SoftNAS™ Cloud File Gateway for VMware® vSphere®



The no compromise safety net for mission-critical data in the cloud

The #1 Best-Selling NAS in the Cloud, SoftNAS™ is the top-selling software-defined storage product in the storage and back-up category on leading cloud platform provider.

7 reasons to consider SoftNAS Cloud File Gateway for VMware vSphere:

Simply Powerful™—A powerful, full-featured NAS filer.

Non-stop storage—Delivers 99.999% availability.

Frictionless Experience™—Easy to try, buy and use.

Agile storage software—On-demand, where and when you need it.

Data security—Advanced data protection features to keep your data safe.

Performance and capacity—Performance-tuned to maximize IOPS and data throughput.

Open architecture—Your data isn't locked in, open source industry standards.

Simply Powerful™

With a powerful feature set that simply works, SoftNAS protects mission-critical and business data in the cloud to ensure your business and applications are safe from downtime and data loss.

Unlimited Storage Up to 16 petabytes, virtually unlimited NAS filer storage management.

Unified SAN & NAS. Simultaneously enables storage of NFS and CIFS file sharing and block-based iSCSI I/O.

VSAN-based NAS Filer A VSAN-based NAS filer for Private Clouds within HA clusters, leveraging VSAN as HA storage SAN and NAS filer features atop of VSAN, provides large-scale file Windows CIFS and NFS shared storage.

SnapClones™ Create instant read/write snapshot clones of production data that do not occupy appreciable disk space.

SnapReplicate™ Replicate data anywhere you need it with efficient block replication.

Scheduled snapshots Scheduled snapshots with automatic space reclamation.

Storage Pools Supports aggregation of storage devices, with scrubs and checksums to detect and correct errors.

Storage Volumes Thin provisioning optimizes the efficiency of storage space utilization and allows support for billions of files and directories.

Non-stop storage

SoftNAS delivers non-stop storage operation, and you can perform non-disruptive online storage administration for maximum maintenance agility.

No Downtime Guaranteed 99.999% storage uptime SLA or money back guarantee

SNAP HA™ Easy cluster configuration and 99.999% availability for non-stop application operation with automatic failover and seamless transfer across controllers within 30 seconds or less

Hybrid HA™ Technology Patent pending Hybrid HA tunneling provides non-stop Cloud HA across datacenters with block replication, automatic failover and seamless HA storage between a premise-based data center and vCloud® Air™.

Cloud File Gateway Cache for S3 Compatible Object Store Experience local backup performance speed, regardless of Internet connectivity latency.

Backup Storage Server Back your data up faster on-site and ensure it is also stored off-site in the background, within your available backup window.

CHALLENGES

- How can you protect business data in your own datacenter or in the cloud with no downtime, outages or data loss?
- How can you get powerful NAS file services across VMware vSphere and Virtual SAN?
- How can you best leverage your existing investments and IT resources?
- Do you need to free your network resources from a growing backup window?
- Do you need to connect your local datacenter with scalable S3 storage for backup and archival?
- Are you looking for API's and flexible open architecture, so your data doesn't get locked-in?



SoftNAS Cloud File Gateway for
VMware vSphere
is a flexible, software-defined cloud
file gateway with NAS shared file
services and S3 compatible object
storage.

vCloud® Air™ Real-time Backup/DR vCloud® Air™ Backup/DR provides near real-time block replication from VMware private clouds to vCloud® Air™ with automatic failover using Hybrid HA for business continuity.

Online Array Rebuild Online array rebuilding to rebuild data redundancy from parity data on remaining drives, with no storage service interruption or loss of data.

Automatic Drive Sparring Automatically rebuilds a failed drive from a pre-allocated spare drive.

Async Replication Asynchronous replication with bandwidth throttling to backup and transfer data—authenticated encrypted for maximum security—in near real-time from one controller to another.

Frictionless Experience™

SoftNAS is quick and easy to configure in minutes for IT administrators and DevOps personnel with no specialized storage training required.

No storage training SoftNAS is intuitive for an IT person and requires no specialized storage training to install, configure or monitor.

- **Wizards** SoftNAS includes easy step-by-step wizards for initial configuration, high availability (HA) set-up and SnapReplicate to manage snapshots.
- **Active Directory integration wizard** Configures Active Directory in 7 mouse clicks, providing simple, easy configuration and integration with Active Directory for granular access control using Windows ACLs.

StorageCenter™ Intuitive admin GUI with HTML5 interface is compatible with browsers running on Windows PC, Mac, iPads, tablets and smartphones.

- **Dashboard** Monitors disk space, CPU, memory and other resources in one convenient dashboard, including email alerts and notifications.
- **Administrator Applet** Configure monitoring thresholds, email notifications, login session timeout, logging levels and other settings.

Console or command line Command line options to automate certain tasks if preferred.

Systems management SoftNAS is compatible with most systems management tools that support SNMP.

Windows Previous Versions Support Previous versions integration with SoftNAS snapshots enables users to recover permanently deleted files, view or restore a version of a file that has been saved over, and compare file versions side-by-side. All without administrative assistance.

Flexible Pricing Model SoftNAS offers annual pricing to cover steady state production or monthly pricing, so there are no high up-front costs.

Agile storage software

On-demand, where and when you need it—in your existing VMware datacenter or vCloud® Air™.

Software SoftNAS is software-based storage that requires no proprietary hardware.

Private/public/hybrid Securely replicate data across any platform, data center or cloud.

VMware Cloud Gateway Access your data on VMware servers or from the AWS cloud. The VMware Cloud Gateway bridges to Amazon S3 object storage with NFS, CIFS and iSCSI access for archival, off-site mass storage and backups.

API & CLI For programmatic administration and DevOps agile cloud infrastructure, REST API and Command Line interface automates SoftNAS administration without the GUI Interface.

Networking Supports a broad range of networking configurations: 1GbE, 10GbE, Fibre-channel Direct Attached, NIC Teaming, Port-trunking, Multi-IP, Jumbo Frame, VLAN and Firewall Security.

Data security

SoftNAS offers advanced data protection features, so your data is always safe, secure and available.

Active Directory integration To authenticate Windows servers and users, ensuring data access is properly restricted to those who are authorized within the Windows domain.

Large-scale Windows filer with Active Directory Supports thousands of concurrent users with billions of files for enterprise-scale file server, VDI user file storage via CIFS/SMB 3.1 protocol.

Large-scale NFS server Supports thousands of concurrent users with billions of files for enterprisescale file server, VDI user file storage via CIFS/SMB 3.1 protocol.

Encryption If you choose to replicate to off-site AWS storage, ensure the security of your data. SoftNAS enables encrypted S3 storage to be used for secure archiving, backups and lowcost user storage. Data is encrypted at rest and in flight for EBS volumes and S3-backed cloud disks.

File-Sharing Protocols NFS, CIFS and iSCSI to ensure files are transferred quickly and securely.

Performance and capacity

SoftNAS is performance-tuned to increase storage IOPS and throughput while reducing storage I/O and costs.

Deduplication Together, SoftNAS and VMware's vSphere® Data Protection's (VDP) patented deduplication technology saves up to 33% storage space vs. other leading backup tools.

Compression Save between 20%-60% of disk space, increase read/write speeds, and allow for greater data caching efficiency to improve performance and increase storage density, which helps contain storage growth costs.

Caching RAM and SSD caching to significantly increase read/write performance and minimize latency.

RAID arrays Allow the balanced storage of redundant data to increase fault tolerance and boost performance via data striping.

Scalable With block replication, SoftNAS scales to handle hundreds of millions to billions of files and directories. Scale up to 16 PB of highly durable storage on Amazon S3.

Open architecture

SoftNAS is hardware and vendor-specific platform agnostic, so your data doesn't get locked in.

- No vendor-specific platform using proprietary storage, proprietary hardware or proprietary operating systems.
- Truly open architecture storage with Linux and ZFS at its foundation—proven open source technologies that have become industry standards.
- Broadest range of available cloud and premise-based platforms; SoftNAS is everywhere you want to be: VMware®, vCloud® Air™, AWS®, and Microsoft® Cloud.

What next?

- Contact us sales@softnas.com Or call +1(888) 801-7524
- Register to attend a live demo at: softnas.com/webinars
- Download the Free 30-day Trial and Solution Briefs at: softnas.com

