

SoftNAS Cloud Enterprise for AWS

Move Petabyte-Scale Workloads to the AWS Cloud Without Re-Engineering Applications

The #1 Best-Selling NAS in the Cloud, SoftNAS Cloud[®] Enterprise is the top-selling software-defined storage product in the storage and backup category on AWS.

7 reasons to consider SoftNAS Cloud Enterprise for AWS:

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

Non-Stop Storage—Only 99.999%/yr storage uptime SLA or money back guarantee on AWS.

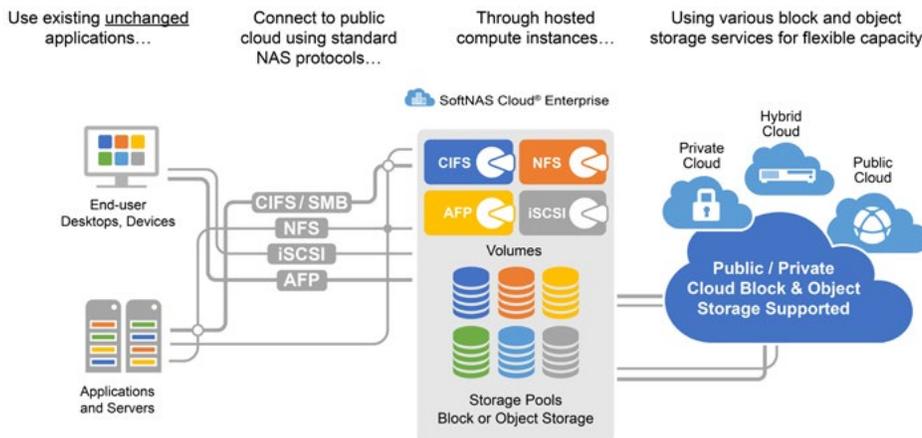
Frictionless Experience—Easy to try, buy and use.

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—Open source industry data standards, so your data isn't locked in.



Simply Powerful

Migrate data to AWS without expensive re-engineering. Get the enterprise NAS services you expect in the cloud with SoftNAS Cloud Enterprise. Get block storage performance at object storage prices.



CHALLENGES

- How can you protect business data in your own datacenter or in the cloud with no storage downtime, outages or data loss?
- How can you get powerful NAS filers across Amazon EC2?
- How can you best leverage your existing investments and IT resources?
- Do you need to dynamically spin up agile storage for DevOps and other IT projects?
- Can you optimize storage space requirements and associated costs while maximizing application performance and processing speeds?
- Are you looking for APIs and flexible open architecture, so your data doesn't get locked-in?

SoftNAS Cloud Enterprise for AWS is a software-defined NAS filer that delivers enterprise-class NAS features with NFS, CIFS, AFP, iSCSI unified POSIX compliant file services and S3-compatible object storage connectivity.

■ NON-STOP STORAGE

SoftNAS Cloud Enterprise delivers 99.999% per year availability SLA on AWS for non-stop application operation, allowing non-disruptive online storage administration for maximum maintenance agility.

SNAP HA® Patented easy high-availability and cluster configuration for non-stop application operation with automatic failover and seamless transfer across controllers.

Dual Controller HA (DCHA) A cost-effective way to gain high-availability for applications that require resiliency and can stand to have data to reside in a single region / zone.

Storage Pool Backup/Restore Storage pool backup with EBS snapshots—without scripting.

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

■ FRICTIONLESS EXPERIENCE

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

No Storage Training Intuitive for any IT generalist, SoftNAS Cloud NAS requires no specialized storage training to install, configure or monitor.

- **Wizards** SoftNAS Cloud Enterprise includes step-by-step wizards for initial configuration, replication, Active Directory Integration and feature-set up.

24x7 Gold Support Included with 20TB or greater license subscriptions (in the AWS Marketplace only).

Easy NFS Configuration Configure NFS without the hassle. The NFS UI Module simplifies NFS configuration and set up.

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.
- **Administrator Applet** Configure monitoring thresholds, email notifications, login session timeout, logging levels and other settings.

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

Flexible Pricing Model SoftNAS Cloud Enterprise offers annual pricing to cover steady state production or monthly pricing - available in 3 performance levels: General Purpose, High Performance and Extreme Performance editions.

■ AGILE STORAGE SOFTWARE

On-demand, where and when you need it — in your existing datacenter or on AWS.

Private/Public/Hybrid Securely replicate data across any platform, datacenter or cloud.

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

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

Networking Supports a broad range of networking configurations: 1GbE, 10GbE, 20GbE, Fibre-channel Direct Attached, NIC Teaming, Port-trunking, Multi-IP, Jumbo Frame, VLAN and Firewall Security.

■ DATA SECURITY

SoftNAS Cloud Enterprise builds upon Pure AWS storage infrastructure—EBS, S3, SSD—and runs within your AWS account. Data is always secure and totally under your control within your AWS VPC, never leaving the trusted AWS datacenter.

HA for Private VPCs Patented technology for private IPs for better VPC security in HA configurations.

360-degree Encryption™ Data encryption all the time—at rest and in transit. Data at rest is encrypted through open source Linux Unified Key Setup (LUKS). LUKS is accepted as the standard for encryption of stored data. Data in Transit is encrypted for CIFS and NFS file protocols.

Snapshot and Rollbacks Automated and manual snapshots of your data with instant rollback capability helps protect against user errors, malware and ransomware attacks.

DeltaSync™ Reduces the Recovery Time Objective (RTO) from days to hours for cluster recovery from a high-availability (HA) failover event.

Dual Factor Authentication Prevent unauthorized access to SoftNAS Cloud Enterprise management console with two-step authentication for SoftNAS StorageCenter.

Login Protection from Bots Human verification through reCAPTCHA prevents bots from programmatically gaining access to the SoftNAS Cloud Enterprise management console.

Large-scale Windows File Server 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 protocol.

Large-scale NFS Server Supports thousands of concurrent users with billions of files for enterprise-scale file server, user file storage via NFS 4 protocol.

Identity & Access Management (IAM) Provide least privilege access control and management without use of access keys for HA setup and S3 cloud disks.

■ PERFORMANCE AND CAPACITY

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

ObjectBacker™ Patent pending ObjFast™, writes data to object storage up to 400% faster, so customers can use lower cost S3 storage with performance levels rivaling that of EBS.

High-performance Durable S3 Cloud Disks RAM write cache with high durability and transactional integrity provides up to 6x MB/second throughput for NFS writes in version 3.4.6 or higher.

Deduplication Eliminates redundancy and saves up to 50% or more of disk space.

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.

Scalable With block replication, SoftNAS Cloud Enterprise scales to handle hundreds of millions to billions of files and directories.

Cross-zone Capability Shared data access across AWS availability zones using NFS, CIFS and iSCSI protocols to overcome direct attached storage limitations.

■ OPEN ARCHITECTURE

SoftNAS Cloud Enterprise is hardware and vendor-specific platform agnostic, so your data is never get locked in.

- No vendor-specific platform using proprietary storage, proprietary hardware or proprietary operating systems.
- Truly open architecture storage with proven technologies —ZFS, Linux, CentOS—that are industry standards.
- Broadest range of available cloud and premise-based platforms; SoftNAS is everywhere you want to be: Amazon Web Services™, Microsoft® Azure™ and VMware vSphere®



SoftNAS®

To learn how we can customize a solution to meet your company's needs, visit SoftNAS.com

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