

## The no compromise safety net for business-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 AWS, the leading cloud platform provider.

### 7 reasons to consider SoftNAS Cloud for AWS:

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

**Non-stop Storage**—Delivers 99.999% storage uptime SLA or money back guarantee.

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

**Agile Storage Software**—On-demand, where and when you need it.

**Security on AWS**—Most secure storage software on AWS.

**Performance and Capacity**—Performance-tuned to maximize IOPS and data throughput.

**Open Architecture**—Your data isn't locked in, open source industry standards

	Express Edition	Standard Edition	Enterprise Edition
Capacity	1TB	20TB	16PB
Subscription	Hourly, Annual	Hourly, Annual	Hourly, Annual
Free Tier	Perpetual, micro instance	Perpetual, micro instance	Perpetual, micro instance
Free Trial	First 30 days, all instances	First 30 days, all instances	First 30 days, all instances

### Simply Powerful™

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

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

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

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

**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 99.999% availability for non-stop application operation, and you can perform non-disruptive online storage administration for maximum maintenance agility.

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

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

### 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 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 API's and flexible open architecture, so your data doesn't get locked-in?



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

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

**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—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, providing simple, easy configuration and integration with Active Directory for granular access control using Windows ACLs.

**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.

**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.

**No High Up-front Costs** Hourly pricing, so there are no high up-front costs.

**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.

**Simple Storage Provisioning** Add S3 and EBS directly from StorageCenter.

## 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, data center 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.

**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.

## Most Secure on AWS

SoftNAS 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** Private IPs for better VPC security in HA configurations.

**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 4 protocol.

**Large-scale NFS server** Supports thousands of NFS clients sharing billions of files, videos and other large-scale file server applications.

**Encryption** Data is encrypted at rest and in flight for EBS volumes and S3 backed cloud disks.

**Identity & Access Management (IAM)** IAM Roles make it easier to securely access AWS services from EC2 instances.

## Performance and Capacity

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

**Deduplication** Compares previously stored data patterns to new data patterns to eliminate redundancy and save 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.

**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 Petabytes (PB) of native AWS Storage.

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

**Higher EBS Capacity** Up to 640 TB of EBS from a single EC2 instance as shared storage.

## 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 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® AWS™, Microsoft® Azure™, CenturyLink Cloud®, VMware vSphere® and vCloud® Air™.

## What next?

- Contact us [sales@softnas.com](mailto:sales@softnas.com) Or call +1(888) 801-7524
- Learn more: [softnas.com/aws](https://softnas.com/aws)
- Try free: [softnas.com/tryaws](https://softnas.com/tryaws)

