

SoftNAS Cloud Enterprise for Microsoft Azure

Move Petabyte-Scale Workloads to the Azure 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 leading cloud platforms.

7 reasons to consider SoftNAS Cloud Enterprise for Microsoft Azure:

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.

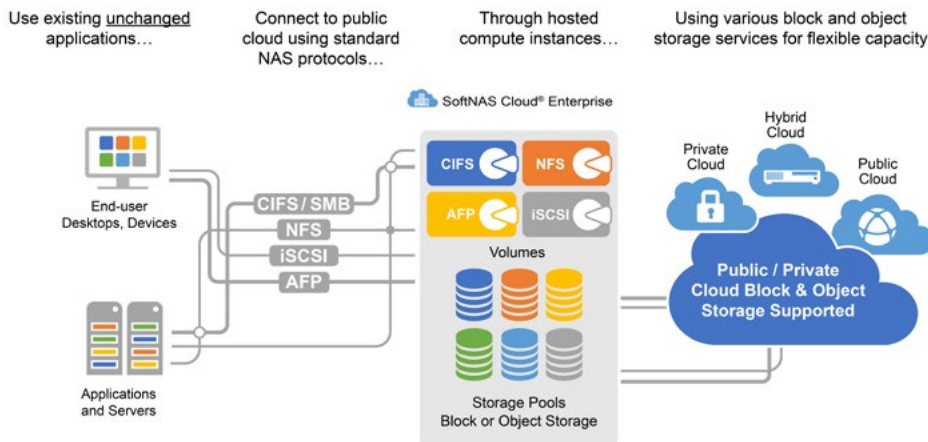
Frictionless Experience—Easy to try, buy and use.

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 Azure 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 downtime, outages or data loss?
- Do your CIFS & NFS file storage needs exceed the native capacity of Azure?
- Do you have large file capacity (TB to PB) requirements and need a way to easily move to Azure?
- Are you ready to leave behind traditional on-premises storage but don't want to re-engineer your applications / workloads?
- Are you looking to increase Azure compute hour usage but need a fast ROI that leverages the customer's existing data services?

SoftNAS Cloud Enterprise for Azure is a software-defined NAS filer that delivers enterprise-class NAS features with NFS, CIFS/SMB, iSCSI, and AFP unified file services and Azure-backed storage connectivity.



■ NON-STOP STORAGE

SoftNAS Cloud Enterprise delivers 99.999% per year availability SLA on Azure for non-stop storage operation, allowing non-disruptive online storage administration for 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

No Storage Training Intuitive for any IT generalist, SoftNAS Cloud Enterprise 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.

StorageCenter™ Admin GUI with HTML5 interface is compatible with browsers running on 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.

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

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 on-premises datacenter or the public cloud of your choice.

Private/Public/Hybrid Securely replicate data across the most popular cloud platforms or your datacenter.

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, 20GbE, Fibre-channel Direct Attached, NIC Teaming, Port-trunking, Multi-IP, Jumbo Frame, VLAN and Firewall Security.

■ DATA SECURITY

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

Role-based Access Control Allows management of users, roles and permissions to provide defined parameters for delegated administration.

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

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

Large-Scale NFS & Windows File Supports thousands of concurrent users with billions of files for enterprise-scale file servers, user file storage via NFS 4 or via CIFS/SMB 3.

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

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.

Dual Factor Authentication Prevent unauthorized access to the 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.

■ PERFORMANCE AND CAPACITY

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

Azure Blob Object Storage Support SoftNAS Cloud Enterprise frontends the object based scalable storage provided by Azure Blob Storage to present NFS, CIFS/SMB, iSCSI or AFP file sharing protocols for enterprise workloads to allow easy workload migrations to the Azure cloud without changing existing application data structures or workflows.

Select the type of backend Azure storage for SoftNAS Cloud Enterprise:

- **Azure Cool Blob Storage** Object storage that allows economical safe-keeping of less frequently accessed file data.
- **Azure Hot Blob Storage** Object storage that optimizes frequently accessed stored data to enable continuous I/O.
- **Standard Disk and Premium Disk Storage** For higher performance workloads.

ObjectBacker™ Patent pending Objfast™ writes data to object storage up to 400% faster, so customers can use lower cost Azure Blob storage with performance levels rivaling that of Azure Disk storage.

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.

■ OPEN ARCHITECTURE

SoftNAS Cloud Enterprise is hardware and vendor-specific platform neutral, 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 premises-based platforms: Microsoft® Azure™, VMware vSphere® and Amazon Web Services™.



SoftNAS

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

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