

# Redstor Cloud NAS



Redstor Cloud NAS provides a virtual network attached storage (NAS) server that has Business-Grade storage provisioned from Redstor Cloud Storage.

Powered by Nasuni and called the Nasuni Filer, the NAS server offers virtually unlimited file storage and complete protection from a single virtual file server. The Nasuni Filer leverages the vast capacity of the Redstor cloud to store and protect your files offsite, while retaining the local functionality and performance of traditional NAS.

#### Redstor Cloud NAS offers:

- Storage from Redstor
  - the trusted cloud storage provider
- Virtually unlimited file storage
- Compatibility with Windows shares
- Full Active Directory integration
- End-to-end encryption
- Pay-as-you-go
- Simple billing and full support
- Try and buy

The technology offers an alternative to traditional NAS servers offering virtually unlimited file storage capacity, automatic provisioning, periodic snapshots, fast restore of old files, high-performance caching, and end-to-end encryption of both data and metadata. It radically simplifies the storage and protection of your business files.

The Redstor Cloud NAS server installs into a VMware, Hyper-V or XenServer environment and local storage is then used as a cache for moving data to and from Redstor Cloud Storage. This cache can be almost any size and is used to store the most active files. The entire environment is managed through a simple web browser interface.

Redstor Cloud NAS Appliance offers traditional NAS with all the benefits of Redstor Cloud Storage or it can be used as a cloud gateway for applications that don't support the Redstor Cloud Storage Platform (EMC Atmos and its API) directly. Simply point your application at a network share provisioned from the Nasuni Filer and your application can now use Redstor Cloud Storage.

Features	Benefits
<b>Automatic provisioning</b> – Delivers virtually unlimited storage from the Redstor cloud. Capacity expands automatically.	No storage provisioning is needed. Capacity adjusts in line with your needs. Eliminates the problem of under-utilized disk. Pay only for what you use.
<b>Snapshot file protection technology</b> – Synchronous, de-duplicated snapshots are saved to the cloud. Roll back to any point in time of a file, directory, or file system.	Easily find, view, and recover files from any point in time. Restore files or whole directories instantly. Eliminate backup and restore schemes for files.
<b>Fast restore</b> – With credentials, you can reconnect to the cloud and initiate a restore from any location. During a restore, the Nasuni Filer becomes operational immediately.	Maintain business continuity in the event of any major data centre failure or natural disaster. Save money by maintaining user productivity.
<b>High-performance caching</b> – The Filer's large, user-defined cache keeps copies of the working set in your local storage infrastructure, for fast offline access.	Cloud traffic is WAN optimized. Leverage the advantages of the cloud while maintaining local performance.
<b>End-to-end encryption</b> – The Filer encrypts data at your premises. The data remains encrypted in the cloud. Escrow decryption keys with a trusted third party, or generate and store your own.	Data is secure and never visible to Redstor. You are in control of all encryption keys.

Redstor Cloud NAS brings the benefits of the cloud to businesses quickly, inexpensively, and without disruption to local systems. Installing the Nasuni Filer into your virtual environment is easy – setup is simple and no additional hardware is required. The Filer resembles a Windows File Server and supports Active Directory and DFS, so you immediately find yourself in a familiar environment.

The Nasuni Filer encrypts your files and sends them to the Redstor Cloud. A copy of the working set is cached in your local infrastructure, giving users the fast access they are used to.

De-duplicated snapshots are sent to the cloud, so files and recent changes are safe and protected with multiple copies.

### Benefits of Redstor Cloud Storage

#### Always available

Business-Grade Storage accessible from anywhere, anytime.

#### Capacity on Demand

Capacity available when you need it.

#### Disaster Recovery

Copies of your data stored in two geographically separate data centres, offering affordable disaster recovery.

#### Affordable

Benefit from economies of scale derived from aggregating the demand of Redstor's cloud customers.

#### Easy to grow

A service that is scalable, reliable and simple.

#### Business-grade service

Redstor have been building and managing large enterprise grade backup and storage platforms since 1998 and delivering cloud based backup and storage services since 2005.

#### Avoid purchasing delays

Ability to turn on more storage at the touch of a button.

#### Manage Storage expenditure

Control your data and storage costs with predictable monthly charges.

#### Free up time

Storage maintenance tasks become Redstor's responsibility allowing you to focus on your core business.

### Supported Virtualisation Platforms

#### Server Products:

Citrix XenServer 5.6  
VMware ESX, versions 3.5, 4.0  
VMware ESXi, versions 3.5, 4.0  
VMware Server version 2  
Windows Server 2008 R2 Hyper-V

#### Desktop Products:

VMware Workstation for Windows, versions 6.5, 7.1  
VMware Player, version 3.1

### Supported Windows Operating Systems

#### Server:

Windows Server 2003 R2  
Windows Server 2003 R2 x64 Edition  
Windows Server 2008  
Windows Server 2008 R2

#### Desktop:

Windows XP  
Windows Vista  
Windows Vista 64-bit Edition  
Windows 7  
Windows 7 64-bit Edition

### Supported Browsers

Internet Explorer 7, 8  
Chrome  
Firefox 3.5, 3.6

### System Configuration Requirements:

#### Virtualisation environment:

Citrix XenServer 5.6  
VMware ESX, ESXi, Server, or Workstation  
Windows Hyper-V  
Minimum free disk space for appliance: 132GB  
Minimum memory on a VM host: 2GB  
Nasuni Filer Virtual Machine Memory: 1GB default  
Nasuni Filer Virtual Machine Cores: 1 default, 2+ for optimal performance

### Redstor Cloud Storage Services

Redstor offers a suite of online Cloud Storage Services providing easy to use, business-grade storage, accessed over the internet or a secure dedicated link. Storage scales up and down to any capacity and allows you to pay only for the storage you use. Each service, suiting different use cases offers elastic capacity on demand and allows access to your stored data at any time and from anywhere.

Cloud NAS is part of a suite of cloud storage services. Others services include Redstor Cloud Drive for PC's, Redstor Cloud Drive for Servers and Redstor Cloud Silo.

For more information please contact redstor on **+44 (0)118 951 5200** or visit **www.redstor.com**

