

Nexustorage Nexfs

Intelligent Scalable Software-Defined Storage



Automated Data Life Cycle Management



Tier to Cloud



Block on Object



POSIX Compatible



Reduce Storage Costs

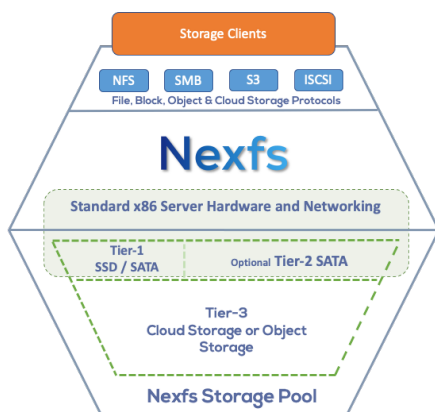
Nexfs intelligent software-defined storage unites block, file, cloud, and object storage technologies, offering advanced data protection and automated data lifecycle management.

What makes Nexfs different? Instead of attempting to bridge the divide, Nexfs unites storage technologies. Nexfs combines up to three tiers of block, file, cloud and object storage into a massively scalable single pool of storage. Users and applications consume this storage pool, leaving Nexfs to automatically place data on the most appropriate and cost-effective storage tier.

Intelligent data placement is a core functionality of Nexfs. There is no need for additional tiering or archiving software. Data movement is transparent between storage tiers, yielding a reliable performance to cost ratio. Nexustorage industry-leading technology allows block workloads, including the storage of live virtual machines, physical server storage, operating systems, applications, and data, combined with general file workloads, to consume block, file, cloud and object storage actively and cohesively.

Data protection is a critical issue for every business. Sleep better at night knowing that SmartProtect is built into Nexfs, when enabled, SmartProtect helps to protect data from the risk of data loss by automatically creating replicas of your data in cloud and object storage.

Scalable Software-defined Storage

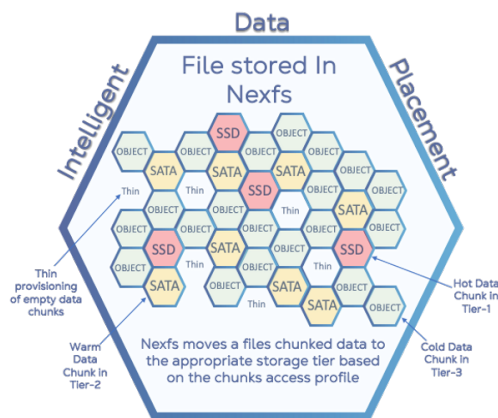


Nexfs software-defined storage provides the flexibility to allow IT to deploy the storage system their way. Nexfs runs on industry-standard x86 server and disk hardware, IT can match the hardware to an organisation's performance and availability requirements, additionally, there are no more hardware vendor lock-ins.

Storage capacity is massively scalable, Nexfs combines the available storage tiers into a single storage pool, moving less used data to the cloud or object storage, freeing performance storage for the most active data.

Nexfs delivers a unified, intelligent, cost-effective, massively scalable, data-lifecycle enabled storage solution.

Automated Data Life Cycle Management



The Hottest data is located on the highest performance storage tier, less active data is moved to cost-effective object or cloud storage. Data migrations are subfile and transparent, which means different parts of the same file can reside on different storage tiers. With Nexfs, the data lifecycle is no longer limited to a file in its entirety.

Smart Data Protection

Reduce data protection costs, Nexfs optionally replicates primary storage to self-protecting cloud and object storage. In the event of a primary storage failure, no data recovery required, reducing any downtime.

Key Features

Highlights

- Automated Data Lifecycle
- Combines File, Block and Object into a single scalable storage pool
- Software-Defined Storage. Turn any standard x86 server into a scalable storage server.
- No third party data migration software required
- Built in smart data protection
- Allows block workload to be used with object storage
- Store live Virtual servers in Cloud and Object Stores.

Access Protocol Support

- POSIX Compatible Filesystem
- Pure Block – iSCSI (tgt)
- File and Block
 - NFS v3/4 (NFSD)
 - Native NTFS/SMB (iSCSI formatted as NTFS from a Windows Server/Desktop)
- SMB (Samba)
- S3 API (Coming soon)

Tier1 & 2 Storage

- Any locally accessible block storage
 - SSD or Flash
 - SATA
 - Hardware Raid
 - Software Raid
 - SAN Attached (Storage Area Network)

Tier3 Cloud or Object

- Automatically moves data to S3 compatible Cloud and Object Storage
- Optional data Compression
- Optional data Encryption (coming soon)
- Certified: Tier-3 Storage:
 - Amazon AWS S3
 - MinIO
- Uncertified: Any compatible S3 Cloud or Object storage
 - Scality RING
 - Cloudian
 - Datacore Swarm

Data Protection

- SmartProtect
 - Automatically Creates a copy of Tier1&2 data in Tier3 Cloud or Object storage
- Replicates File Metadata (filename, permissions etc)
- Encryption of data stored in the Cloud or in Object storage
- Delayed file data purge
 - Allows Recovery of Deleted files

Management and Operations

- Management CLI (OpenSource)
- Programmable Management Interface

Licensing

Nexfs is licensed on the feature set and gross data under management; thin-provisioned file data chunks are not counted as licensed managed data. Perpetual licenses are limited to the major version of Nexfs available at the time of purchase. Nexustorage, at its sole discretion, may offer from time-to-time version upgrade discounts, allowing customers to upgrade from a previously licensed version to the latest major version.

Subscription licensing offers an annual non-perpetual license and allows upgrades to the most current Nexfs release for the duration of a fully paid up valid Nexfs subscription.

Site capacity licenses allow purchased or subscribed license capacity to be shared and consumed by an unlimited number of a single customer's Nexfs servers physically located at a single site.

Software Support

All Nexfs editions include free access to the Nexustorage community support forums, allowing Nexfs users to discuss Nexfs and ask other Nexfs users questions. While Nexustorage personal may engage in the community forums, the forums are not actively monitored by Nexustorage.

Customers may pre-purchase non-SLA support credits from Nexustorage, support credits are available in blocks of 10 hours and are drawn down by the hour as utilised.

SLA editions are available for purchase which include support for up to 12 months.

Contact sales@nexustorage.com for more information.

Nexfs Editions

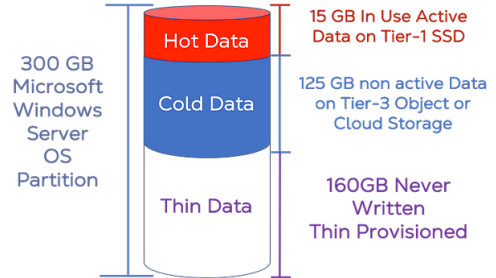
Features	Core Community	Core 25	Core 100	Standard	Enhanced Edition	Enhanced SLA Edition
SmartMigrations	•	•	•	•	•	•
POSIX Compatible File System	•	•	•	•	•	•
Nexfs mount point	•	•	•	•	•	•
iSCSI (tgt)	•	•	•	•	•	•
NFSv3/4 (Linux Kernel)	•	•	•	•	•	•
SMB (Windows NTFS formatted iSCSI LUN or Samaba)	•	•	•	•	•	•
Tier-1 Block Storage	•	•	•	•	•	•
Tier-2 Block Storage				•	•	•
Tier-3 Cloud/Object Storage	•	•	•	•	•	•
Integrated Data Lifecycle Management	•	•	•	•	•	•
SmartTier				•	•	•
SmartProtect	• ¹	•	•	•	•	•
SmartProtectOpenFile				•	•	•
SmartTierOpenFile				•	•	•
Tier-3 Compression				•	•	•
Tier-3 Encryption					•	•
Site Capacity License					•	•
Licensed Capacity (Min/Increments/Max)	5TB/-/5TB (Free)	25TB/-/25TB	100TB/-/100TB	100TB/100TB/1PB	500TB/500TB/No Limit	1PB/1PB/No Limit
Support	Community	Community	Community	Community/Paid ^{2/3}	Community/Paid ^{2/3}	Community/SLA

¹SmartProtect Mode 1 (file close) only ²Requires pre-purchased support tokens available in 10 hour increments ³support tokens do not include time committed SLA

Reduce Storage Costs with Block on Object

Nexfs moves data at block level to Tier3 Cloud and Object storage. Nexfs reduces storage costs by moving least accessed data blocks off and freeing more costly flash, SSD and SATA storage. With Nexfs you may be able to store active VMs, Server storage, archival Databases etc from Cloud and Object storage.

95 Percent Reduction on Primary Storage



Disclaimer: The above diagram shows a possible 95% reduction of primary storage. The reduction achievable is dependent on-site settings and site data usage patterns. Any reduction in primary storage may be much lower than shown in the example above.

Free Core Community Edition

A free limited functionality and fixed maximum capacity license is available for any person or organisation to use. The free core community edition is available with community forum-based support only. The free edition can be upgraded to a paid core edition, a paid standard edition or a paid enhanced edition at any time through the purchase from Nexustorage of the relevant Nexfs license.