

# Distributed File and Object Storage Virtualization

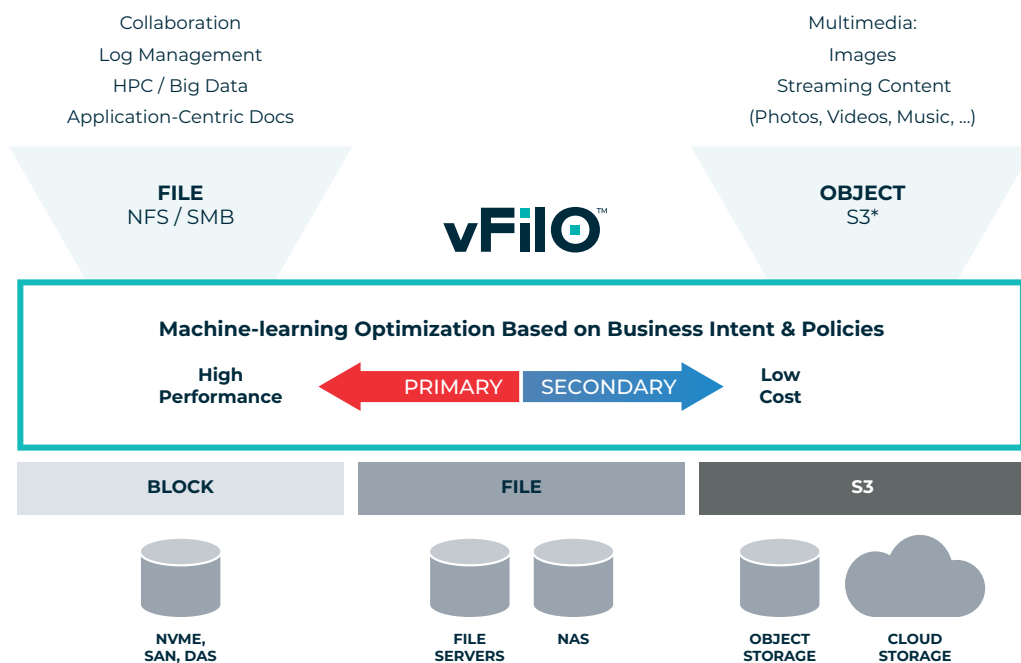
Unprecedented visibility and control of widely-scattered data

## PRODUCT OVERVIEW

DataCore™ vFilo™ is a next-generation distributed file and object software-defined storage (SDS) solution which provides unprecedented visibility and control over widely-scattered data spread across NAS, file servers, and object stores through a multi-site, keyword-searchable global namespace. It continuously migrates, load balances, and safeguards data among on-premises and cloud storage tiers using machine learning and arbitrage modeling to optimize for cost, performance, capacity, availability, and compliance to achieve business objectives.

## USE CASES

- **Pool File and Object Resources:** Consolidate namespace (file catalog) from several filers so files can be easily found, accessed, shared, and backed up
- **Expand to the Cloud:** Leverage the cloud as lower cost storage for archiving infrequently used files and replicating critical files
- **Scale Out:** Scale out and load balance file shares to keep up with unstructured data growth



- Multi-PB Support for **Billions of Files** in a Single System
- Scale Up and Out to **40 nodes** per Site
- Free Up to **20X Capacity** When Leveraging Object or Cloud

## END USER BENEFITS



### VISIBILITY & CONTROL

- Control all your unstructured data under one intelligent system to improve user visibility and simplify IT management
- Improve user productivity and collaboration across sites with faster, easier access to files and multimedia
- Fulfill data governance obligations through explicit policies or high-level objectives
- Derive new business insights gleaned from metadata and dynamically treat your files according to their changing business relevance



### ULTIMATE FLEXIBILITY

- Expand and modernize as needed with no dependency on device or manufacturer
- Integrate new server and storage technologies alongside existing equipment without painful and expensive forklift upgrades
- Store data where it makes most sense, traversing sites and hardware architectures, based on explicit policies
- Enjoy the power of object and file access methods in one system with multi-protocol support



### EFFICIENCY & SIMPLICITY

- Avoid disruptive data migrations and recover time lost shuffling files around and backing them up
- Automate data optimization to effortlessly track and adjust where data is stored and how much it costs
- Enable zero-touch unified management of different data types and profiles under one intelligent system
- Deploy without system interruption in under 30 minutes with an easy-to-use intelligent GUI

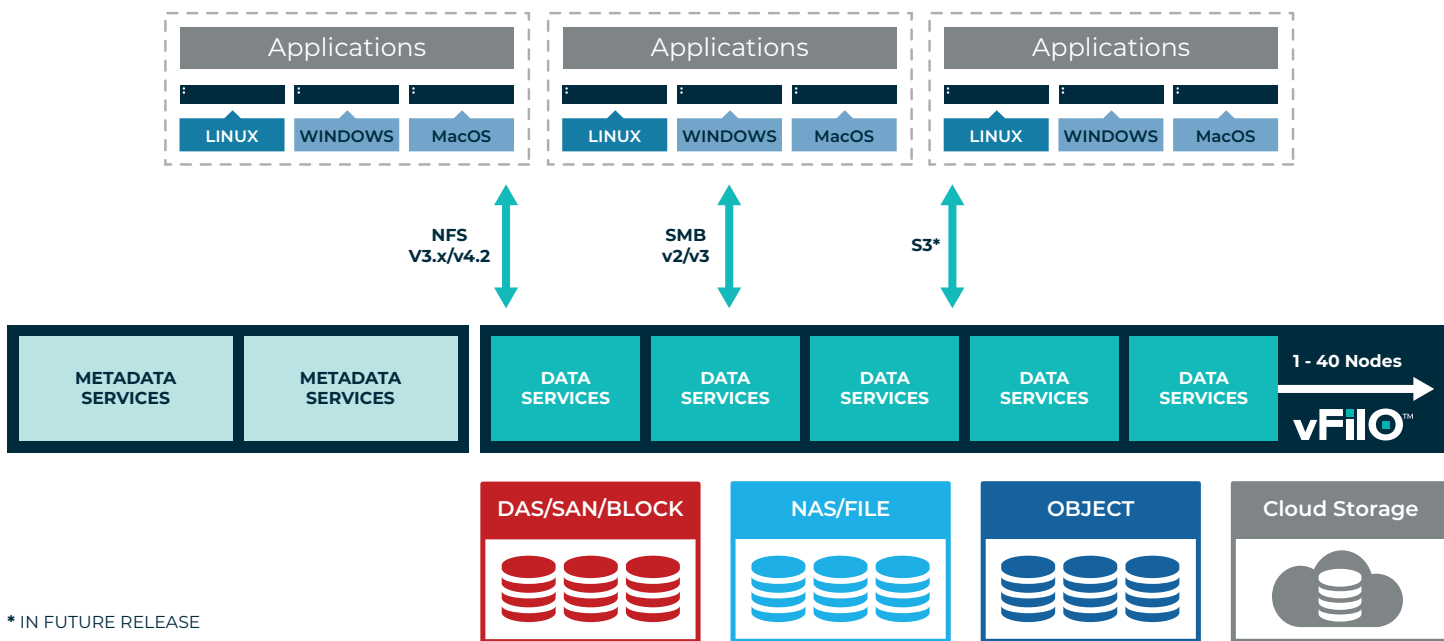
## vFIO FEATURES

CONSUMERS			
SERVERS / PCS / LAPTOPS	VIRTUAL MACHINES		CONTAINERS
ACCESS METHODS			
NFS	SMB		S3*
OPERATION & INSIGHTS	DATA SERVICES		COMMAND & CONTROL
EXTENSIBLE METADATA	ACTIVE ARCHIVE	GLOBAL NAMESPACE*	ACCESS CONTROLS
DATA MIGRATION	AUTO-PLACEMENT	LOAD BALANCING	CLI
HISTORICAL / REAL-TIME CHARTS	DATA MOBILITY	PARALLEL NFS	CONSOLE
HEALTH & PERFORMANCE GRAPHS	DEDUPLICATION / COMPRESSION**	REPLICATION & RECOVERY	FILE GRANULARITY
ALERTS	ENCRYPTION**	SNAPSHOTS	PLUG-INS
PROVISIONING	FILE / NAS POOLING, ASSIMILATION	UNDELETE	
STORAGE PROTOCOLS			
BLOCK	FILE	OBJECT	CLOUD

\*IN FUTURE RELEASE    \*\*FOR OBJECT STORAGE

Any user or application using NFS or SMB to access their unstructured data can leverage the benefits of vFilo Operation & Insights, Command & Control and its comprehensive Data Services. The way of accessing the files is independent of where and how they are stored. This can be either on block storage, in file or object systems or in the cloud – at file level granularity.

### vFilo TECHNICAL SETUP



### LICENSING

Active Data licenses are for regularly used files. Inactive Data licenses are for data archived either on object storage or in the cloud. Both are available in one- or three-year term licenses. The pricing is determined by actual capacity consumed in terabytes (price/TB) by files and objects. Volume discounts apply. The number of vFilo Data Services nodes (instances) does not affect the software price and can be scaled up or down.

### PACKAGING

vFilo software comes in a bootable ISO image that contains its own appliance operating system. No other OS licenses are required.

## MINIMUM HARDWARE / SOFTWARE REQUIREMENTS

### METADATA SERVICE

#### Enterprise Scale Configuration

#### Mid-Market Configuration

	VIRTUAL MACHINE	BARE-METAL	VIRTUAL MACHINE	BARE-METAL
<b>CPU Cores</b>	24 vCPU	24+ cores Intel based 2.5+ GHz processor(s)	8 vCPU	8+ cores Intel based 2.5+ GHz processor(s)
<b>Memory</b>	64+ GB. 1 GB / vFilo Share	64+ GB. 1 GB / vFilo Share	16+ GB (1 GB per vFilo share)	16+ GB (1 GB per vFilo Share)
<b>Boot disk</b>	200 GB	200 GB Hardware RAID recommended	200 GB	200 GB Hardware RAID recommended
<b>Additional disks</b>	(2x) 400 GB backed by SSDs Supports up to 200 million files	(2x) 400 GB SSD NVMe recommended Hardware RAID is not needed	(2x) 400 GB backed by SSDs Supports up to 20 million files	(2x) 400 GB NVMe recommended Hardware RAID is not needed
<b>Network adapter</b>	(2x) 10 GbE. One link is dedicated to HA services	(2x) 10 GbE. One link is dedicated to HA services	(2x) 10 GbE (one link is dedicated to HA services)	(2x) 10 GbE (one link is dedicated to HA services)

### DATA SERVICE

#### Enterprise Scale Configuration

#### Mid-Market Configuration

	VIRTUAL MACHINE	BARE-METAL	VIRTUAL MACHINE	BARE-METAL
<b>CPU Cores</b>	8+ vCPU	8+ cores Intel based 2.4+ GHz processor(s)	4+ vCPU	4+ cores Intel based 2.4+ GHz processor(s)
<b>Memory</b>	16+ GB	16+ GB	8+ GB	8+ GB
<b>Boot disk</b>	100 GB	100 GB Hardware RAID recommended	100 GB	100 GB Hardware RAID recommended
<b>Additional disks</b>	Only needed when Data service instance is providing additional storage	Only needed when Data service instance is providing additional storage	Only needed when Data Service instance is providing additional storage	Only needed when Data Service instance is providing additional storage
<b>Network adapter</b>	(1x) 10 GbE	(1x) 10 GbE	(1x) 10 GbE	(1x) 10 GbE

0220

REQUEST A FREE TRIAL

### Discover the Ultimate Flexibility of DataCore Software

DataCore software-defined & hyperconverged storage solutions reduce costs, eliminate vendor lock-in, and deliver ultimate flexibility in how organizations manage, build and modernize their storage infrastructures.

See why over 10,000 customers recognize DataCore Software as the most flexible software-defined storage platform. Visit [www.datacore.com](http://www.datacore.com)

