

# BACKUP & ARCHIVE



Reliable Backup  
Management



Secure and Scalable  
Storage



Immediate Data  
Retrieval

## MediaScaleX // STORAGE™ At-a-Glance

- Allows IT to retain local control of as much or as little data as needed.
- Supports traditional file-share access (CIFS/NFS, S3, RADOS) through a single cluster.
- Makes it easy to build clusters with modest capacity and grow to meet future needs.
- Scales 20TB-180TB increments.
- Enables cluster architecture to be tuned for I/O, capacity or a mix of both.
- Provides flexibility to add or re-allocate storage to conform to changing needs.
- Data in-place, non-disruptive to any capacity and performance.
- Permits IT to adjust cluster configurations as projects spin up and down.

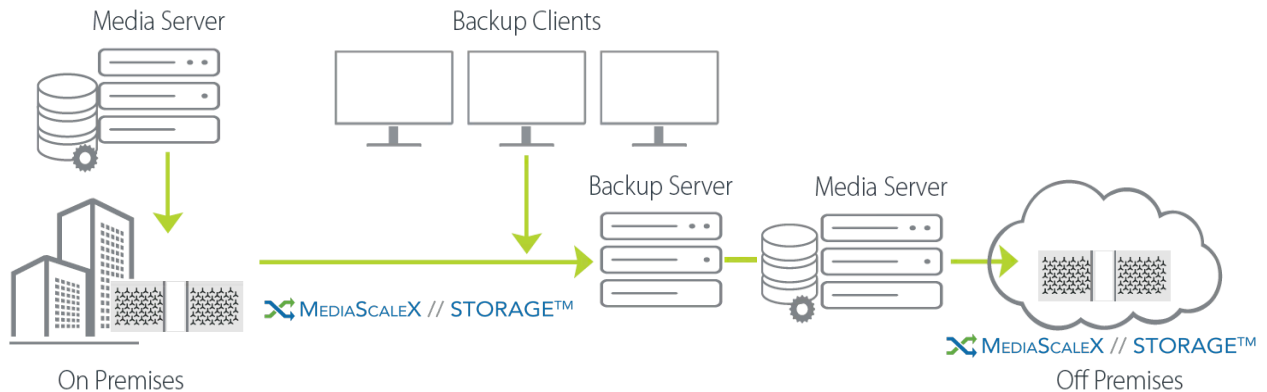
As data growth continues to increase in capacity and importance, enterprises need to reliably manage and store backups so data can be retrieved as quickly as possible. At the same time, IT faces the challenge of backing up growing quantities of data in very short backup windows using antiquated backup technologies devised 20 years ago in a world without widespread mobile devices or even the notion of the cloud.

As a result, today's IT teams are constantly fixing systems as they break, spending excessive time dealing with tape and tape drives, and responding to emergency data restore requests as they attempt to maintain a fragile backup infrastructure. The only remedy up until now is to throw more hardware and people at the problem, which has proven far from effective.

That's because traditional backup-to-disk configurations are based on file systems, typically a block device (SAN or direct attached) or a shared NFS/CIFS (NAS) device. These systems store data in hierarchical, tree-like directory structures, and as the number of files grows, so too does the number of directories, and with it, the complexity of the tree structure.

It thus takes longer to locate and restore files. There comes a point where this also significantly impairs system performance. The file system may also reach the limit for the number of files, directories and hierarchy levels it can manage.

## Backup Recovery Workflow



### The Answer: MediaScaleX // STORAGE™ for Backup & Archive

For enterprises deploying backup & archive solutions, MediaScaleX // STORAGE™ is a viable alternative to traditional tape and shared storage systems delivering advanced performance, security, high availability, scalability and flexibility:

- **MediaScaleX // STORAGE™ Is Fast:** When data files need to be recovered, end users typically need them right away. MediaScaleX // STORAGE™ provides 10GbE and 56GbE networks for fast cluster access.
- **MediaScaleX // STORAGE™ Is Secure:** Data security is paramount in today's climate where data security breaches can cause companies to lose billions annually. All the data in MediaScaleX // STORAGE™ systems is completely secure only owners of data objects and their respective bucket(s) can access resources to store or retrieve data.
- **MediaScaleX // STORAGE™ Is Highly-Available:** Data must never be compromised or corrupted while in storage and must even have the ability to survive a hardware failure. MediaScaleX // STORAGE™ is redundant and durable since the data exists simultaneously on many different physical devices while performing continuous health checks against the original.
- **MediaScaleX // STORAGE™ Is Simple and Scalable:** Data grows and changes faster today than ever before, and a scalable storage solution is critical to the success of a growing business. With scalable storage and a flexible pricing model, MediaScaleX // STORAGE™ offers a seamless process that simplifies data-volume expansion and reduction.
- **MediaScaleX // STORAGE™ also provides a resilient target for backing up virtual machines, files and databases.** As a backup target, the solution also provides much lower-cost storage than other on-premises options.