



ExaGrid Tiered Backup Storage

- Fastest Backups
- Fastest Recoveries
- Unparalleled, Cost-effective Scale-out
- Comprehensive Security and Ransomware Recovery

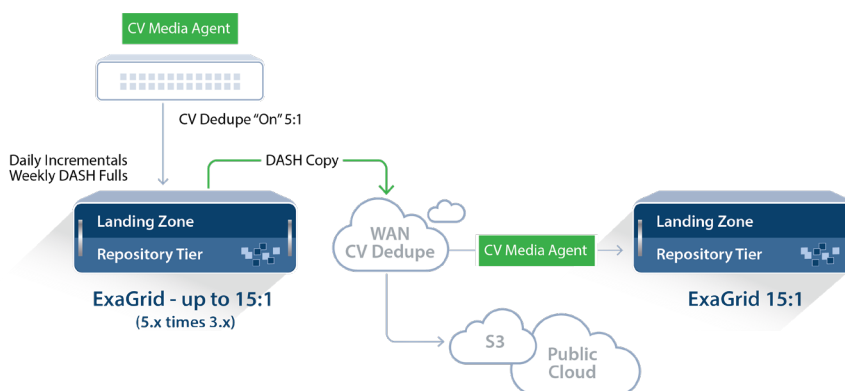
Commvault to ExaGrid Tiered Backup Storage

Commvault Customers Can Add ExaGrid Tiered Backup Storage to Improve the Storage Economics of their Backup Environments

Tiered backup storage requires close integration between the backup software and the backup storage. ExaGrid provides a cost-effective backup solution that scales to meet the needs of demanding enterprise environments. ExaGrid improves the storage economics of Commvault environments by working with Commvault deduplication on to provide up to 15:1 reduction in storage consumption – a 3X storage savings over using Commvault deduplication alone. This combination dramatically lowers the cost of onsite and offsite backup storage.

Commvault Deduplication On

Commvault deduplicated data can be sent to ExaGrid appliances for further deduplication. ExaGrid takes the average 5:1 Commvault deduplication ratio up by 3X to 15:1 which reduces the storage footprint by 300%. This greatly reduces the cost of the backup storage. ExaGrid can replicate the deduplicated data to a second site for offsite long-term retention and disaster recovery. The additional deduplication saves WAN bandwidth in addition to saving storage at both sites.



Advantages of using Commvault deduplication include:

- Support for Commvault data management
- Less traffic from the client across the LAN to the media server for client-side deduplication as well as from the media server to the storage for media agent deduplication

Advantages of using ExaGrid deduplication with Commvault deduplication include:

- Save onsite and offsite storage and associated costs
- Use less WAN bandwidth
- Encryption at rest is performed at the disk drive level, increasing Commvault performance by 20 to 30%
- Scale-out storage architecture maintains a fixed-length backup window as data grows
- Non-network-facing Repository Tier (tiered air gap) with a delayed delete policy and immutable data objects ensure data is ready to restore after a ransomware attack
- Can work with DASH Fulls
- Can work alongside DASH Copy