

DELL EMC AVAMAR

BENEFITS

- Integration with Data Domain for fast, efficient backup and recovery
 - Reduces network bandwidth usage up to 98%
 - Reduces backup storage up to 36x
 - Reduces backup times up to 50%
 - Instant access of up to 32 simultaneous VMs
- Flexible deployment options
- Highly Efficient Backup of NAS and High Density File Systems
- Fast desktop/laptop backup and restore
- Comprehensive Cloud Data Protection

Companies are redefining their backup and recovery solutions to meet challenges brought on by accelerated virtualization and the movement to the cloud. These conditions require that companies improve data protection across the enterprise and in remote offices.

Comprehensive Backup and Recovery

Part of the Data Protection Suite Family, Dell EMC Avamar provides flexible deployment options for fast, daily full backups supporting:

- Virtualized and physical environments
- Enterprise applications
- NAS systems
- Remote offices
- Desktops/laptops

Avamar and Data Domain integration

Avamar's tight integration with Dell EMC Data Domain use a multi-streaming, deduplication approach – resulting in faster, more efficient backups. Better together, this pair of products:

- Reduces network bandwidth usage up to 98%
- Reduces backup storage up to 36x
- Reduces backup times up to 50%
- Instant access of up to 32 simultaneous VMs

Efficient Backup and Recovery

Avamar divides backup data into variable-length sub-file segments, compresses and applies a unique hash identifier to each segment during the backup process. Avamar then determines if a segment has been previously backed up and only backs up the unique segments, greatly reducing backup times.

Deduplication dramatically reduces the amount of data sent and stored - eliminating backup bottlenecks and reducing storage costs.

Scalability and Reliability

Dell EMC Avamar Data Store combines Dell EMC certified hardware and Avamar software in a fully integrated, scalable, pre-packaged solution. In addition, it eliminates single points of failure by employing patented redundant array of independent nodes (RAIN) technology to provide high availability across nodes in the Avamar Data Store. System and data integrity are verified daily to ensure recoverability.

Highly Efficient Backup of NAS and High Density File Systems

Avamar provides fast, reliable NAS system backup and recovery via the Avamar NDMP Accelerator node, dramatically reduces backup times and the impact on NAS resources, and allows an easier and faster recovery. In addition, the Fast Incremental software architecture provides an efficient solution to protect high-density file systems (HDFS).

Fast Desktop/Laptop Backup

Avamar delivers efficient data protection for desktop/laptop by providing data deduplication, open-file backup, and CPU throttling. Data is automatically backed up when a user is attached to the network. End users can initiate a one-step, on-demand backup and quickly recover their own data anywhere, anytime, via an intuitive interface and integrated search engine.

Flexible Deployment Options

Avamar provides flexibility in solution deployments depending upon your specific use case and recovery requirements.

Software-only

Avamar Virtual Edition (AVE) consists of customer installable Avamar software deployed as a virtual appliance. AVE enables the deployment of a complete Avamar solution on an existing VMware or Microsoft Hyper-V server.

Remote Office

Lightweight software agents can be deployed on servers with no additional remote hardware required. This enables data within a remote office to be backed up directly over an existing WAN link to a Data Domain system or Avamar Data Store residing within the data center, eliminating the need for local tape backups and offsite tape shipment risks.

Mid-market Environments

For mid-market environments, Dell EMC Avamar Business Edition provides a competitively priced, conveniently sized, turnkey deduplication backup solution.

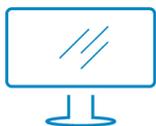
Cloud Data Protection

Extend to the cloud

- **Disaster Recovery to AWS and Azure** enables customers to leverage Data Domain Cloud Disaster Recovery (CDR), a feature that provides orchestrated DR testing, orchestrated failover in the event of a disaster and failback following a disaster. CDR for AWS also delivers application consistent protection as well as recovery to VMware Cloud.
- **Long Term Retention to the Cloud** allows data to be natively tiered to the public, private or hybrid cloud for long-term retention. Orchestration occurs directly within Avamar UI.

Backup in the cloud

- **Backup in the cloud**
 - With AVE and Data Domain Virtual Edition (DD VE) on object storage you are offered a cost-effective backup solution that protects applications and data in public, private and hybrid clouds. .
 - VMware Cloud on AWS provides customers with industry leading data protection for all workloads running on VMware Cloud.
- **Backup in Azure Stack** makes it easy to perform guest-level file system backup and recovery, as well as application consistent backup.



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