

# Dell EMC Avamar

## Benefits

- Comprehensive protection for multi-cloud
- Orchestrated cloud disaster recovery
- Scalable backup and restore for physical and virtual environments
- Tight integration into VMware interfaces
- Highly Efficient Backup of NAS and high-density file systems
- PowerProtect DD integration
- Flexible deployment options
- Efficient desktop/laptop backup
- Ideal for remote office/branch office environments
- Guest level backup of enterprise applications
- Intuitive HTML5 interface



Companies are redefining their backup and recovery solutions to meet challenges brought on by accelerated virtualization and movement to the cloud. These conditions require that companies design data protection from edge to core to cloud.

### Comprehensive backup and restore

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

- Virtualized and physical environments
- Multi-cloud backup and disaster recovery
- Enterprise applications
- NAS systems
- Remote offices
- Desktops/laptops

### Efficient backup and restore

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.

### Highly efficient backup of NAS and high-density file systems

Avamar provides fast, reliable NAS system backup and recovery via the Avamar NDMP Accelerator dramatically reduces backup times and the impact on NAS resources and allows an easier and faster recovery. The NDMP accelerator is available as both a virtual and hardware appliance. The fast-Incremental software architecture provides an efficient solution to protect high-density file systems (HDFS).

### Avamar and PowerProtect DD integration

For a complete data protection solution, leverage the powerful combination of Avamar and PowerProtect DD protection storage. This complete data protection solution reduces risk of data loss, delivers superior performance and industry leading deduplication.

### 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 PowerProtect DD 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 provides customers with orchestrated DR testing, failover in the event of a disaster and failback following a disaster.
- 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*

- AVE and PowerProtect DD Virtual Edition (DDVE) on object storage delivers 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.

Dell EMC Avamar is proven backup and recovery software that delivers secure data protection for cloud, remote offices, desktops, laptops, and data centers. Tight integration into VMware interfaces makes Avamar an ideal solution for protecting any workloads running in a VMware environment.



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