

Data Domain

Supports leading backup and archive applications

- Backup applications: EMC NetWorker, EMC Avamar, Symantec NetBackup, IBM TSM, and more
- Archive applications: EMC SourceOne, Symantec Enterprise Vault, IBM InfoSphere Optim Archive, Open Text Content Server and more
- Application utilities: Oracle RMAN, Greenplum Database
- File tiering: F5 ARX, EMC Cloud Tiering Appliance

Supports multiple data access methods

- Simultaneous use of VTL, NAS, NDMP, and EMC Data Domain Boost

Industry's Most Scalable Inline Deduplication Systems

- Up to 31 TB/hour
- Up to 2 PB usable capacity

Advanced architecture for scale, speed and resilience

- Data Domain Stream Informed Segment Layout (SISL) scaling architecture
- Data Domain Data invulnerability architecture

Software Options:

- DD Boost
- DD Encryption
- DD Extended Retention
- DD Replicator
- DD Retention Lock
- DD Virtual Tape Library
- DD Management Center



	DD160	DD620	DD2500	DD4200	DD4500	DD7200	DD990
Speed (DD Boost)	1.1 TB/hr	2.4 TB/hr	13.4 TB/hr	22.0 TB/hr	22.0 TB/hr	26.0 TB/hr	31.0 TB/hr
Speed (other)	667 GB/hr	1.1 TB/hr	5.3 TB/hr	10.2 TB/hr	10.2 TB/hr	11.9 TB/hr	15.0 TB/hr
Logical capacity	40–195 TB	83–415 TB	1.3–6.6 PB	1.8–9.4 PB 5.6–28.4 PB ¹	2.8–14.2 PB 11.4–57.0 PB ¹	4.2–21.4 PB 17.1–85.6 ¹	5.7–28.5 PB Up to 100 PB ¹
Usable capacity	Up to 3.98 TB	Up to 8.3 TB	Up to 133 TB	Up to 189 TB Up to 569 TB ¹	Up to 285 TB Up to 1.1 PB ¹	Up to 428 TB Up to 1.7 PB ¹	Up to 570 TB Up to 2 PB ¹

¹ With DD Extended Retention software option



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EMC Avamar: Deduplication Backup Software and System

Avamar use cases

- Fast, daily full deduplicated backups for virtual environments, NAS, remote offices, desktops/laptops, business critical applications.

Virtual backup

- Fast, daily full guest and image backups
- Deduplicates backup data within and across virtual machines
- 1-step recovery; file level recovery from image backups
- Supports latest vStorage APIs and change block tracking
- Supports Microsoft Hyper-V environments
- Qualified on VCE Vblock
- Deployable as a virtual appliance—Avamar Virtual Edition for VMware

NAS system backup

- Fast, daily full backups
- Innovative NDMP Accelerator Node requests level-1 dumps daily
- Eliminates recurring, lengthy level-0 backups
- Centralized management and eliminates backup bottlenecks
- One-step recovery
- Increase NAS utilization rates, lower TCO

Remote office backup

- Daily full backups via existing IP networks
- Agent-only for smaller offices, turnkey appliances for larger offices
- Data can be encrypted for security
- Centralized management

Desktop/laptop backup

- Easy end-user backup/recovery without IT help desk assistance
- Non disruptive daily full backups via existing IP networks
- Multi-language support for thousands of users
- No “per client” fees; easy document level search engine

Integrated Data Deduplication

- Fast, daily full backups
- Data deduplicated at client, and globally across sites & servers
- Integrates with EMC Data Domain systems for high-speed inline deduplication of specific data types
- Integrates with EMC NetWorker

Encrypted WAN/LAN Backups

- Encryption for security and leverages existing IP networks
- Eliminates tape, manual processes, and offsite tape shipments
- Can export data to tape in deduplicated or native format

High Availability, Reliability, and Scalability

- RAIN architecture for high availability across nodes
- Server integrity and data recoverability verified daily
- Enables growth without disruption via scalable grid architecture

Intuitive, Policy-based Centralized Management

- Intuitive, web-based management, at-a-glance dashboards
- Enables consistent, multi-site backup operations from a single location and automated policy-based management

Fast, Single-Step Recovery

- Recover data (whole backups, files, or directories) in one-step
- Eliminates tedious, multi-step recovery processes
- Easy, self service recovery options for desktop/laptop users

Turnkey Solution

- Complete EMC backup, recovery, and disaster recovery solution
- Scalable, integrated software and hardware solutions
- Simple to purchase, deploy, and service

Flexible Physical and Virtual Deployment Options

- Avamar software
- Avamar Data Store servers
- Avamar Virtual Edition for VMware
- Avamar NDMP Accelerator Node

Avamar Software

Agent-only for smaller offices and desktop/laptop systems



Avamar Data Store

Fully integrated, scalable software/hardware solution



Avamar Virtual Edition for VMware

Avamar server deployed as a virtual appliance leverages ESX server resources



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