

# Dell EMC Avamar Data Store Gen5A

## Key benefits

### Flexible Deployment

- Built-to-order
- Pre-racked
- Ideal for small remote office to large data centers

### High Availability & Reliability

- Scalable grid architecture
- RAIN technology
- Redundant power & networking
- Internal system checkpoints

### Manageability and Support

- Secure access via existing network links
- Easy, convenient management
- Remote access anywhere, anytime

Dell EMC Avamar Data Store Gen5A is the easiest and fastest way to deploy a physical Avamar server. It combines Dell Technologies certified hardware and Avamar backup and recovery software in a fully integrated, scalable, pre-packaged solution. It eliminates the hassles and complexity of working with multiple vendors for hardware, software, and support. As a turnkey solution, Avamar Data Store Gen5A significantly reduces on-site setup time, while providing a single point of contact for purchasing, deployment, and service.

Avamar is backup and recovery software with integrated data deduplication, ideal for protecting virtual environments, NAS systems, remote offices, desktop/laptop systems, and business-critical applications. By deduplicating backup data at the client, Avamar provides fast, daily full backups via existing infrastructure and network links. And by deduplicating data across sites and servers, Avamar can dramatically reduce required storage.

### Flexible Deployment Options

Deploying an Avamar server has never been easier. Built-to-order and pre-racked configurations simplify deployment and reduce costs. An entry-level Avamar Data Store Gen5A is ideal for remote offices when fast, local backup and recovery are priorities.

For larger offices and data centers, Avamar Data Store Gen5A configurations help you to retain the equivalent of several petabytes of cumulative traditional backups that can be immediately recovered in a single step from disk, eliminating the hassles and risks associated with tape storage.

### Scalability, High Availability and Reliability

Unlike many traditional server deployments, Avamar utilizes a scalable grid architecture, enabling linear performance and storage increases by simply adding storage nodes. Each additional node increases CPU, memory, I/O, and disk capacity for the entire grid. When adding disk storage, data is automatically load-balanced online without compromising deduplication efficiency or system performance.

When traditional backup solutions fail, data is often lost. To prevent this, Avamar employs patented redundant array of independent nodes (RAIN) technology, redundant power and internal networking, and RAID to provide high availability across nodes, eliminating single points of failure.

For reliability, Avamar Data Store Gen5A utilizes enterprise-class components. In addition, Avamar system integrity is verified twice daily via internal system checkpoints, and Avamar verifies the recoverability of all backup data daily. Backup data can also be efficiently replicated to another Avamar server for disaster recovery. And for security, backup data can be encrypted in-flight and at-rest enabling safe and cost effective.

## Manageability and Support

Managing an Avamar Data Store Gen5A is easy and convenient. Systems can be securely accessed via existing network links and integrated with popular management frameworks via SNMP for remote access anywhere, anytime. As a completely integrated solution from Dell Technologies, system updates are pre-qualified and tested so that you can apply them quickly and safely, without worrying about component compatibility issues.

For prompt and simplified service, administrators can utilize proactive system email home, monitoring, and remote access through the optional Dell EMC Secure Remote-Gateway Server. Premium support provides onsite replacement parts and service within four hours (where available) for peace of mind. In addition, support is accessible at any time via live web chat, telephone and web-accessible documents. Whatever your preferred communication method, Dell Technologies is ready to help.

## Specifications

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### CAPACITY

Avamar Data Store Gen5A systems are available from as little as 25 TB up to 400 TB of deduplicated disk storage capacity. Specialized management, media access, and NDMP Accelerator Nodes round out the offering.

	<b>Scalable Architecture (up to 16 storage nodes)</b>	<b>Single Node (may require replication)</b>
<b>Usable licensed deduplicated disk storage capacity</b>	75 to 400 TB	25 TB
<b>Equivalent cumulative, traditional backup storage</b>	Up to several PB	Up to several hundred TB

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### CONNECTIVITY

10 Gigabit copper and optical Ethernet connection

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### PROTOCOL SUPPORT

TCP/IP

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