



HPE 3PAR STORESERV DATA AT REST ENCRYPTION

Storage Device Management Software



WHAT'S NEW

- FIPS 140-2 Level 2 validated DAR Encryption for new HPE 3PAR StoreServ 20000 Storage and new HPE 3PAR StoreServ 8000 Storage
- Compatible with the HPE Enterprise Secure Key Manager 4.0
- Complies with the OASIS KMIP standard

OVERVIEW

HPE 3PAR StoreServ Data at Rest Encryption protects data from security breaches. If your application or environment requires data protection from loss of a drive or unauthorized exposure of the data on a drive, then consider this solution. This solution is configured with self-encrypting drives (SEDs) and a secure encryption key. A single array-based Local Key Manager (LKM) authenticates access to the data being read or written to the drives, with no performance impact. An optional External Key Manager (EKM) provides a complete security solution for unifying and automating an organization's

encryption controls by securely creating, protecting, serving, controlling, and auditing the encryption keys, both locally and remotely. All HPE 3PAR StoreServ models are available with self-encrypting drives where data is encrypted as it is written to the drive. All data contained on these drives is protected against unauthorized access, including media or hardware theft, tampering, and more. [1]

FEATURES

Secure Sensitive Personal Information According to Regulatory Mandates

Encrypt electronic medical records for HIPPA compliance to provide patient confidentiality from unauthorized or inadvertent disclosure.

Comply with payment card industry regulations that define requirements for protection of card holder data.

Protect intellectual property or other sensitive business data by encrypting data.

Encrypt Data Easily and with no Performance Impact

All data on the HPE 3PAR StoreServ System is encrypted as it is written to the drives. In the event of a drive failure, the data is protected from unauthorized access.

The encryption process happens inside the drive architecture without any user intervention.

Local key manager included with HPE 3PAR StoreServ unlocks all drives in the array for reads and writes. Each encrypted array uses only one authentication key.

Mitigate Internal and External Risk with Data-At-Rest Encryption

HPE 3PAR StoreServ system provides proper key management that is critical to maintain separation of duties and protection against improperly cared for disks, or malicious intent from remote office employees.

Encryption protects against disk drive theft and un-scrubbed disk drives that are repurposed.

Secure your data with Self Encrypting Drives (SED)

450 GB and 900 GB 10K and 2 TB and 4 TB 7.2K Self Encrypting Drive for HPE 3PAR StoreServ 7000 and 10000; FIPS 140-2 validated.

400 GB MLC SSD SED for HPE 3PAR StoreServ 7000, 7450 and 10000.

1TB 7.2K SFF SED for HPE 3PAR StoreServ 7000.

All SEDs are certified by the U.S. National Institute of Standards and Technology (NIST) and Canadian Communications Security Establishment (CSE) as meeting Level 2 security requirements for cryptographic modules as defined in the Federal Information Processing Standards (FIPS) 140-2 Publication.



Technical specifications

HPE 3PAR StoreServ Data At Rest Encryption

Supported hardware environment

HPE 3PAR StoreServ

Version

HPE 3PAR Operating System 3.1.2 Maintenance Update 2



For additional technical information, available models and options, please reference the [QuickSpecs](#)

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[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

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- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation. Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please [explore them here](#).

[1] With the use of such drives, it is impossible to change the encryption functionality in a simple way, nor do you need further significant support from the supplier, which allows you to import 3Par systems without obtaining import license from the Ministry of Industry and Trade.

Make the right purchase decision.
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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product
[PSN5386540FIEN](#), June, 2022.