



ITERNITY

Complete Storage Solution



WHAT'S NEW

- All iTernity solutions are available as a HPE GreenLake edge to cloud solution, providing a cloud experience on-premises and a consumption-based model while maintaining compliance and data control.
- iCAS FS is a qualified Backup Target for Veeam and Commvault providing Ransomware protection and an easy-to-consume and cost-efficient backup storage.
- Protect archive and backup data against Ransomware: WORM storage, Object Lock, closed Linux system without administrator access (iCAS FS), etc.

OVERVIEW

Are you dealing with the long-term storage, protection, availability, and compliance of business-critical data? iTernity provides software-defined solutions for archiving and backup storage to address data growth, cost pressure, fulfillment of regulations, cyber-attacks, and IT complexity. iCAS FS is a scale-out platform for archive and backup data with optional WORM capabilities. Starting at 20 TB and scaling without limits, this platform ensures low TCO, provides cloud experience on-premises and dramatically reduces the time to manage. iCAS is middleware for retention management and WORM archiving of application data and integrates with existing infrastructures. With 120+ certified business applications, the solutions can be

- Cover multiple use cases: compliant archiving, secure backup, ransomware protection, WORM storage, GDPR compliance, Big Data long-term preservation, Archive-as-a-Service, offload primary storage.
- Software-defined solutions removing vendor lock-ins and helping minimize the time to manage – designed to provide enterprise-grade security, integrity, and availability of business data.

used as central storage for compliance data, backups and low TCO long-term record keeping. iTernity solutions address regulatory requirements, are GDPR and SEC 17a-4-compliant and enable simplified, cost-efficient data storage.

FEATURES

HPE GreenLake and Zero-Touch Operation

iTernity solutions are available via HPE GreenLake to provide the advantages of the cloud combined with the security and control of on-premises. Fully managed in a pay-per-use model, HPE GreenLake and iTernity solutions provide flexibility, speed and cost control when storing business-critical data.

iCAS FS is designed as an auto-managed platform with no administration required. The solution is monitored by iTernity, errors are detected and repaired by the system itself. The storage capacity can be expanded easily, flexibly, and cost-effectively. In summary, a cloud experience on-premises.

Long-Term Data Integrity and Availability

iTernity provides long-term availability and integrity of business-critical data. iTernity solutions protect and preserve data integrity via strong hash values.

When iCAS and iCAS FS are writing redundant archive data, the integrity of the copies is audited automatically by comparing their hash value. If one copy is corrupt, the self-healing function automatically copies the valid data and replaces the corrupt files.

The solutions offer an integrated optional AES-256 encryption, enabling additional security for stored data. Conformity with regulations, such as SOX, GDPR, HIPPA for Healthcare, the U. S. Securities and Exchange Commission (SEC) 17a-4(f), and others, can be achieved.

Scalability and Flexibility

iTernity solutions offer unlimited growth from TB to PB and support the full range of HPE server and storage products such as HPE ProLiant and HPE Apollo Servers, HPE 3PAR StoreServ, HPE Nimble Storage, HPE SimpliVity, Scality, SUSE, Qumulo, and Cohesity.

With reliable features for compliant archiving and long-term storage, iCAS and iCAS FS ensure data integrity, security, and compliance. Flexibility and openness protect IT investments enabling more efficient usage of storage volumes and reducing the total cost of ownership (TCO).

iCAS FS extends the use case of compliant archiving and covers use cases such as secure backup storage, Big Data long-term storage, Archive-as-a-Service, relief of the primary storage and more in one single platform.

Strong Partner Ecosystem

iTernity has over 120 business applications, such as Enterprise Content Management (ECM), Document Management System (DMS), Picture Archiving and Communication System (PACS), and email solutions, allowing the setup of a central archive and backup storage connecting different data sources.

iCAS FS is a qualified “Veeam Ready – Repository” and “Veeam Ready – Object” as well as a validated S3-compatible Object Storage Library for Commvault.



iCAS FS offers enormous synergy in terms of storage, availability, and protection of business-critical data. The platform allows to consolidate backup storage, compliant archiving and long-term data preservation while reducing costs and complexity.

iTernity solutions are based on open industry standards and commodity hardware, which enables the transition of data to different models or future technology over time – avoiding the migration and cost traps of proprietary storage systems and public cloud storage



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

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.

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[PSN1009704484NOEN](#), July, 2022.