Western Digital.

Hybrid and Private Cloud Archiving for Business Critical Applications in a Regulated Environment

iTernity
your key to compliance

Highlights

- Modern Hybrid or Private cloud solution that help companies address regulatory requirements such as GDPR, GoBD, Basel III, SOX, HIPAA, SEC 17a-4, PCI-DSS and more.
- Scalable and secure storage infrastructure for enterprise business applications and data, such as DMS, ECM, ERP, PACS, Email, Voice, Video and more.
- Data management including WORM, data replication and data immutability with policy driven retention.
- Long-term protection for valuable data with extreme data durability and integrity at petabyte scale.
- Multi-tenant and multi-workload capabilities with over 120 business applications certified.
- Enables IT organizations to be more agile and react quickly to provision and redeploy storage resources in response to new business requirements.
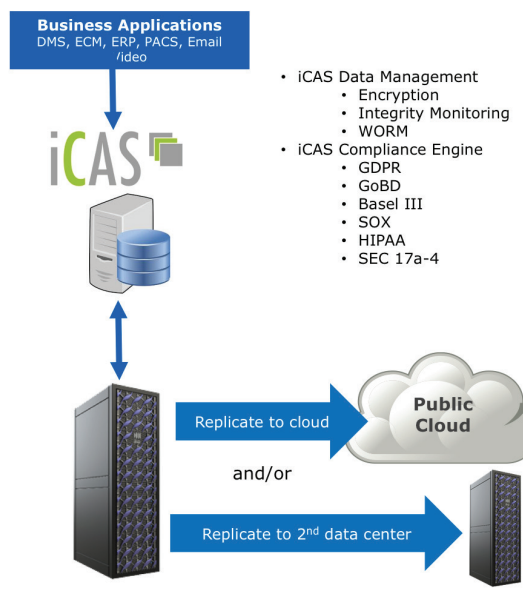
Challenges

- Safeguarding and protecting archived data at petabyte scale without building silos of storage
- Retaining valuable data economically for long-term without sacrificing performance
- Avoiding data migrations which are risky and difficult due to the lack of proper auditing and verification tools
- Legacy storage silos designed for compliance have limited flexibility and can't leverage modern cloud infrastructures

Modernizing Long-Term Archiving for Changing Demands

As regulatory and security demands have increased over the years, the archival storage systems have remained proprietary, expensive and difficult to manage. Vendor lock-in with the lack of data migration tools has made it nearly impossible to modernize the storage infrastructure while securing the data.

Recently, hybrid and private cloud infrastructures have become the new storage infrastructure of choice, but creating a solution that enables a company to meet these demands has driven storage costs up and out of reach, requiring legacy systems to remain in place or the archive becoming too expensive to grow, maintain and leverage. Not only that, but most recently released solutions in this area don't allow for multi-tenant or multi-workload access, limiting them to become yet another silo of storage inside the organization. Silos of storage means increased management challenges and expense.

Western Digital and iTernity have partnered together to produce the most cost-effective, hybrid and private cloud storage system to help address regulatory requirements and demands by leveraging the ActiveScale™ storage solution and iCAS software. Backed by one of the largest storage companies in the world and the best software-defined archive solution with over 120 certified applications, you can rest assured the solution will allow you to cost-effectively protect and retain your data for the long term.

Business Applications
DMS, ECM, ERP, PACS, Email /ideo

iCAS

- iCAS Data Management
  - Encryption
  - Integrity Monitoring
  - WORM
- iCAS Compliance Engine
  - GDPR
  - GoBD
  - Basel III
  - SOX
  - HIPAA
  - SEC 17a-4

Replicate to cloud → **Public Cloud**

and/or

Replicate to 2nd data center →

iCAS Software Workflow Diagram

Solution

Western Digital's ActiveScale cloud object storage combined with iTernity iCAS creates a modern storage solution for large-scale businesses requiring a protected archival cloud infrastructure to help addres regulatory or other requirements. The solution provides the extreme scalability, performance and economics of cloud storage with fully regulated compliant data security management and WORM capability. The ActiveScale storage can be leveraged for other workloads while protecting regulated data in shared hybrid or private cloud storage.

iCAS with ActiveScale Soution Key Features:

- **Secure:** data stored with iCAS on ActiveScale helps secure against disaster, tampering and corruption via iCAS patented CSC technology and features such as replication and state-of-the-art hashing.

- **Flexible/ Open:** iCAS software enables WORM protection at the bucket level on ActiveScale. Data is easily migrated from legacy storage devices to ActiveScale with no loss of protection or validity.

- **Easy to consume:** easy to integrate into the existing infrastructure, iCAS and ActiveScale offers connection via file system interface (NFS and SMB protocols supported).

- **Certified:** The conformity of iCAS with various legal requirements when it is properly configured and used – such as EU-GDPR, SEC 17a-4(f), SOX, GoDB, Basel III etc. – has been assessed and certified by the auditing company KPMG. In addition, Cohasset Associates Inc. has certified that the iCAS solution, when properly configured and used, meets applicable requirements of SEC 17a-4(f) and CFTC 1.31.

- **Validated:** iCAS is compatible with a broad and expanding ecosystem partners. More than 120 applications are currently validated, spanning from DMS, ERP, EMC, PACS, email, voice, video and more.

Compelling Total Cost of Ownership

Combining the unique, powerful and complimentary capabilities of iCAS and ActiveScale delivers an integrated archiving storage system that rivals the scale of traditional cloud infrastructure at a lower cost for significant Capex savings. The efficient operation of ActiveScale helium-filled drives requires less power and cooling to deliver lower Opex.

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