

Joint forces against data loss and ransomware – iTernity + Veeam

Business challenge

Ransomware attacks are becoming increasingly sophisticated. Effective immunization requires multiple security layers, as backups must now be protected themselves.

As if that weren't enough, IT and IS managers must deal with a range of additional challenges, including rapid data growth, cost, time and skill shortages and the increasing complexity of IT infrastructures.

The choice of backup software and storage infrastructure is critical in the fight against data loss and ransomware. However, this choice also has a huge impact on IT efficiency, complexity and cost effectiveness.

Solution overview: "Better together"

Combining Veeam® with iTernity iCAS FS offers an easy-to-use, highly scalable and flexible backup solution. The joint solution meets the long-term data protection needs from SMBs to enterprises, providing a ransomware-protected and cost-effective way to solve today's backup challenges.

Overview of the joint solution:

- iCAS FS is a qualified "Veeam Ready - Object with Immutability" storage target for Veeam Backup & Replication™
- The software-defined scale-out platform iCAS FS is based on Linux and commodity hardware and is fully monitored, administered and managed by iTernity.
- Thanks to S3 Object Lock and a closed system architecture, the data stored with iCAS FS is immutable and safe from ransomware attacks.

Environment configurations

iCAS FS is an on-premises storage target for Veeam and more than 140 other validated business applications. The software-defined solution is based on commodity hardware and a hardened Linux OS with cloud-based monitoring and management. This setup enables significant savings in TCO and time to manage.

The modular architecture of the iCAS FS cluster allows for easy expansion of capacity and performance. Thanks to the transparent read/write failover and active-active cluster, iCAS FS offers high availability. Data can be accessed via S3, NFS, SMB and the Veeam Enhanced Data Mover (SSH).

Benefits

- Flexible: various use cases around backup, archiving and long-term storage in one platform, starting small and scaling without limits
- Ransomware-protected: S3 Object Lock/WORM storage, limited access points and a hardened Linux operating system
- Cost-efficient: based on low-cost commodity hardware, comprehensive Managed Services approach, ability to deploy the whole setup "as-a-service" via HPE Greenlake
- Easy to use: Managed Services by iTernity: implementation, management, monitoring and troubleshooting
- Proven: 53% lower TCO and 61% less time to manage compared to the leading public cloud storages (ESG TCO comparison)
- Performant: on-premises backup target for improved backup and restore performance and highest compliance requirements



Use Cases



Multi-purpose:

Secure storage of backups, compliant archiving, object storage and more in one powerful storage platform. Starting small and scaling without limits, the multi-tenant iCAS FS covers a wide range of use cases to protect the availability, security and integrity of business-critical data.



Ransomware Protection:

Immutable data for compliance, governance or legal hold – thanks to S3 Object Lock/WORM and a closed architecture, iCAS FS minimizes the IT attack surface and protects your backups, archive data and more. The entire storage setup is monitored, updated and managed by iTernity.



Data protection:

Protect your data from loss, manipulation and malicious attacks with iTernity + Veeam. Features such as WORM, S3 Object Lock, Retention Management, Encryption, Audit Trail, Replication and Self-Healing protect data from multiple data sources and applications. iCAS FS is easy to use and unable to misuse thanks to its closed and managed architecture.



Disaster recovery:

Synchronous and asynchronous replication, transparent read/write failover and an active-active cluster ensure high availability of your data in iCAS FS. A single iCAS FS cluster can be stretched to distant data centers by switching smartly between sync and async replication.

Conclusion

Let's make backup storage simple, secure and efficient! With iTernity and Veeam, there are no limits to your scalability, efficiency and flexibility. Veeam Backup & Replication in combination with iCAS FS helps you reduce TCO and effort, confident that your backup service level agreements (SLAs) are securely met.

Get your data protection ready for the future with Veeam & iTernity and reduce complexity, cost and effort!

About Veeam Software

Veeam is the leading provider of backup, recovery and data management solutions that enable Modern Data Protection. The company offers a single platform for cloud, virtual, physical, SaaS and Kubernetes environments. Veeam customers can rest assured that their applications and data are protected from ransomware, disasters and bad actors and always available with the simplest, most flexible, most reliable and highest performing platform in the industry. Veeam protects 450,000 customers worldwide, including 81 percent of the Fortune 500 and 70 percent of the Global 2000. Headquartered in Columbus, Ohio, Veeam has offices in more than 30 countries. Veeam's global ecosystem includes more than 35,000 technology partners, resellers, service providers and alliance partners. To find out more www.veeam.com, or follow Veeam on LinkedIn [@veeam-software](https://www.linkedin.com/company/veeam) and Twitter [@veeam](https://twitter.com/veeam).

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About iTernity



iTernity develops software solutions to ensure the long-term availability, security and integrity of business-critical data. Data growth, cyberattacks, strict regulatory requirements and complex IT infrastructures turn data storage into a time and cost guzzler. iTernity's software-defined approach helps solve these IT challenges and simplifies backup and archive data protection – flexibly, securely and cost-efficiently.

iTernity is Technology Partner of Hewlett Packard Enterprise (HPE) and Fujitsu. iTernity solutions are available through the channel and can also be purchased directly via HPE Complete and HPE GreenLake. iCAS FS is a "Veeam Ready"-qualified Object Storage Repository with Immutability and a Linux Repository. The scale-out storage platform covers various use cases around long-term data storage, backup protection and compliant archiving.

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