

Leading Healthcare Technology Company Selects Zettaset to Meet Critical Regulatory Mandates and Protect Personal Health Information Stored Across Cloud-based Platforms



Key Takeaways

- **Protect mission critical customer data with ease**
- **Ensure compliance with strict data protection regulations**
- **Robust data protection without slowing down the speed of the business**

Background

A leading data-driven healthcare technology provider, servicing some of the largest health insurance companies in the world, needed to establish a robust data protection strategy to ensure compliance with emerging data privacy regulations and adequately protect customer data. Required to adhere to strict healthcare regulations, the organization's main objective was to deploy end-to-end, data-at-rest encryption across its infrastructure to assure customers that their data was being properly protected, while allowing the business velocity needed to maintain a competitive advantage.

The Challenge

Working with leading healthcare provider, payer, pharma and life sciences companies, the organization must ensure compliance against a wide variety of data regulations, including HITRUST and HIPAA. To meet these strict guidelines, the organization needed data-at-rest encryption to adequately safeguard their information from cyber-attacks and adhere to compliance.

The wealth of information that the company stores, including troves of Personal Health Information (PHI) and Personal Identifiable Information (PII), makes it a ripe target for malicious actors. Advanced cryptography across its entire infrastructure was viewed as the most complete way to protect this valuable information and meet compliance requirements.

However, several operational and infrastructure needs had to be met to make this end-to-end data protection strategy a reality. For example, the selected solution needed to be easy to deploy with minimal upkeep and maintenance, offer seamless transparency into the entire data environment and integrate with existing solutions.

Choosing A Solution

During the vetting process to find the right data protection partner, the organization had rigid requirements that providers had to consider, such as:

- Integrating with their key management infrastructure
- Not interfering with their database, home-grown applications or application code
- Adapting changes to the versioning of their databases and apps
- Transparency to backup/restore infrastructure (Datadomain) existing in place
- Having a low impact on overall application performance
- Transparency to database mirroring and disaster recovery infrastructure
- Ease of deployment with no need to operate and maintain

The healthcare organization tried a POC with a file-based encryption provider, which ultimately could not meet their requirements due to the complexity involved with this strategy. It also attempted to use tokenization, but the tactic ultimately failed, as it required them to completely rewrite their applications to ensure data security, an exercise that required significant amounts of time not readily available to the team.

Deploying Zettaset XCrypt Full Disk Encryption

The organization ultimately chose Zettaset's XCrypt Full Disk Encryption solution to meet these requirements. The installation base is more than 300 nodes that protect more than 2PB of data, and OS and database upgrades have not affected the level of cryptography applied to their data. This has allowed the business to scale their infrastructure with ease, without worrying about the security of their data.

The team was impressed with the solution's ease-of-deployment. Installed within a day, the cluster was turned over to operations overnight – all with end-to-end encryption across their data. Following implementation, there was no noticeable impact on performance, reliability or productivity.

This simple, point-and-click approach to encryption has left the leading healthcare technology provider with the peace of mind that their data is secure and that its data security strategy has not impacted its ability to overdeliver for their customers.

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About Zettaset Full Disk Encryption

With XCrypt Full Disk™, organizations can take advantage of a high-performance, scale-out full-disk encryption solution that combines sizzling performance with proven protection for sensitive information. XCrypt Full Disk is delivered as an all-software encryption package that requires no proprietary appliances, delivering the benefits of lower cost, simplified deployment and ease-of-use. The versatility of XCrypt Full Disk makes it suitable for use in a wide range of structured and unstructured data environments, in the cloud and on-premises.

About Zettaset

Zettaset is a software-defined encryption solution that can be transparently deployed across all physical and virtual enterprise environments. Unlike traditional solutions that are appliance-based, Zettaset is a cost-effective, software-only solution that is easy to deploy, does not impact performance, and scales with your business from on premise to the cloud. Learn more at zettaset.com.



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