Rubrik Cloud Data Management unifies backup, instant recovery, replication, and data archival in one scale-out platform. Easily and securely manage physical or virtualized data on-premises, at the edge, and in the cloud. Rubrik adds encryption at rest while maintaining web-scale performance and speed. User and application data is encrypted in-flight or at-rest with our r528 appliance, a FIPS 140-2 Level 2 certified solution. On all r300 appliances, Rubrik supports software-based encryption at rest that have a Trusted Platform Module (TPM).

Rubrik’s encryption offering is comprehensive, securing data in a cost-effective manner for all security conscious industries, including government, financial, legal, and healthcare sectors. Many industries require compliance with rigid data protection policies in order to protect their classified, confidential, or personally identifiable information (PII). Customers can ensure their data is protected even in the event of a physical theft or breach.

**Encryption at Rest**

**Data Management Built For Security**

Rubrik encrypts user and application data at rest with FIPS 140-2 Level 2 certified self-encrypting drives (SED) as its HDDs and SSDs with our r528 appliance. Self-encrypting drives provide the additional functionality of automatic data protection without additional intervention. The data-at-rest encryption solution is turnkey – all SEDs ship completely configured.

In order to bootup or power cycle, Rubrik retrieves the cryptographic keys protecting its SEDs via its TPMs. These keys are then used to unlock and mount the drives. Furthermore, these security keys can then be used to instantly and securely delete data on a SED. Rubrik Encryption at Rest enables compliance with the requirements of HIPAA, SOX, PCI DSS, FIPS 140-2, NIST 800-88, and Common Criteria.
SOFTWARE-BASED DATA-AT-REST ENCRYPTION

Software-based data-at-rest encryption is available on all r300 appliances, which will now come with a Trusted Platform Module (TPM) chip installed. Rubrik’s file system is protected via AES-256 encryption. Key management is done internally, providing an additional layer of security and enabling secure cluster erasure. Rubrik also supports detection of data tampering even when the system is powered off. Lastly, our software-based encryption solution is designed for scale to meet the needs of high data growth.

“Rubrik provides comprehensive IT security solutions within their product line to meet Federal standards. Their hardware and software FIPS 140-2 certified encryption solution and secured Brik Operating System (BOS) leave no doubts in the mind of security-conscious organizations that their data is secure.”

VICTOR MARQUEZ, CEO, MARQ SOLUTIONS

DON’T BACKUP. GO FORWARD.

Want to see more? Contact inquiries@rubrik.com for a 15-minute demo. Visit www.rubrik.com and follow @rubrikInc on Twitter.