



# End-to-End Data Encryption

## Data Management Designed For Security

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 and in the cloud. Rubrik offers a comprehensive portfolio of solutions for security conscious organizations, including those in the government, financial, legal, and health care sectors, to address rigid data protection policies regarding classified, confidential, or personally identifiable information (PII). With Rubrik, customers can ensure their data is protected even in the event of a physical theft or breach.

Rubrik adds encryption at rest while maintaining web-scale performance and speed. Rubrik supports software-based encryption at-rest with the r300s appliance series. For higher security standards, Rubrik offers the r528 appliance, a FIPS 140-2 Level 2 certified solution that provides hardware-based encryption. Any data sent to the private or public cloud uses military-standard encryption in-flight and at-rest.



### END-TO-END ENCRYPTION

Meet security standards with either software or hardware-based encryption.



### ROBUST KEY MANAGEMENT

Protect keys with an internal key manager or use a KMIP-compliant external key management server.



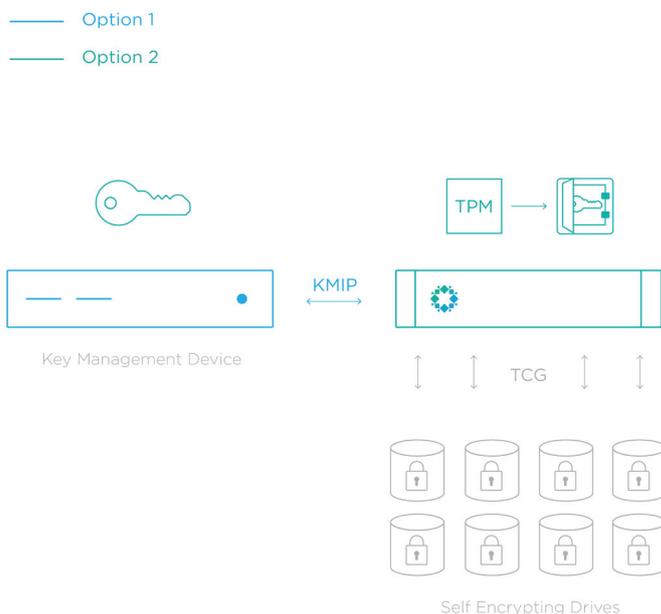
### FIPS-COMPLIANT

Meet higher security standards with the r528, a FIPS 140-2 Level 2 certified solution.

### R528: FIPS 140-2 LEVEL 2 SELF-ENCRYPTING DRIVES

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 or an external key management server. 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 encryption at-rest is available on the r300s appliance series, which ships with a Trusted Platform Module (TPM). 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](mailto:inquiries@rubrik.com) for a 15-minute demo. Visit [www.rubrik.com](http://www.rubrik.com) and follow [@rubrikInc](https://twitter.com/rubrikInc) on Twitter.



### Global HQ

299 South California Ave. #250  
Palo Alto, CA 94306  
United States

1-844-4RUBRIK  
[inquiries@rubrik.com](mailto:inquiries@rubrik.com)  
[www.rubrik.com](http://www.rubrik.com)

Rubrik provides the industry's leading Cloud Data Management platform to accelerate how enterprises protect, manage, and secure data everywhere. Fortune 500 companies trust Rubrik's single platform to deliver data protection, search and analytics, archiving and compliance, and copy data management to deliver instant data access, cut TCO in half, and slash daily management time down to minutes.

Rubrik is a registered trademark of Rubrik, Inc. All other trademarks or service marks are the property of their respective holders and are hereby acknowledged. ©2016 Rubrik, Inc. All rights reserved.