

# Military-Grade Data Security

## Data Management Built for Government

### OVERVIEW

Federal, state and local government agencies face the challenge of protecting growing amounts of sensitive data against evolving cyber threats. Rubrik combats breaches and Ransomware by enabling secure management of physical and virtualized data, across all locations— on-premises, at the edge, and in the cloud. Rubrik offers the industry's most comprehensive portfolio of government security certifications, allowing military and civilian agencies to confidently backup, replicate, and archive data while complying with rigid data protection policies regarding classified, confidential, or personally identifiable information (PII).

Rubrik provides [in-flight and at-rest encryption](#) to secure data in a cost-effective manner. Rubrik offerings are certified for the [U.S. Department of Defense Information Network Approved Products List \(DODIN APL\)](#) and have been certified as meeting the requirements of [EAL2+ of Common Criteria for Information Technology Security Evaluation](#). For the highest security standards, Rubrik offers the r528 appliance, which provides at-rest encryption using FIPS 140-2 Level 2 validated self-encrypting drives (SED) as its [HDD](#) and [SSDs](#). With Rubrik, government agencies can ensure their data is secure and compliant throughout its lifecycle.



#### COMPREHENSIVE SECURITY CERTIFICATIONS

Gain peace of mind. Rubrik offerings are certified for the [DODIN APL](#) and [Common Criteria EAL2+](#), and come with the option for FIPS 140-2 Level 2 validated SEDs.



#### ROBUST KEY MANAGEMENT

Maximize flexibility. Protect keys with an internal key manager or use KMI-compliant external key management server.



#### BROAD CLOUD SUPPORT

Run Rubrik in the cloud, securely. Rubrik supports all major government cloud infrastructure offerings, including AWS GovCloud, C2S and Azure GovCloud.

## Data Security and Compliance at Multiple Levels

### SOFTWARE AND HARDWARE ENCRYPTION

With the r528 appliance, data security is elevated to the highest level of protection with FIPS 140-2 Level 2 validated hard disk and solid state drives. With r300 appliances, Rubrik offers software-based encryption, which ships with a Trusted Platform Module (TPM). Rubrik's file system is protected via AES-256 encryption, and supports detection of data tampering even when the system is powered off. Rubrik's encryption solution is designed for scale to meet the needs of high data growth in government agencies.

### SUPPORT AND SECURITY FOR ALL MAJOR GOVERNMENT CLOUDS

Rubrik supports all major government infrastructure offerings, including Microsoft Azure GovCloud, AWS GovCloud and Commercial Cloud Services (C2S). Rubrik is an Advanced Tier Technology partner in the AWS Partner Network (APN) and a Global ISV Co-Seller in the Microsoft Partner Network (MPN), offering hybrid cloud data management services on both AWS and Microsoft Azure. For public cloud users, Rubrik ensures that data in-transit and at rest is secure. Data is encrypted before leaving the appliance for the cloud. Rubrik leverages client-side encryption libraries supported by public cloud providers, and all archived data undergoes envelope encryption. With Rubrik, government agencies can enable strict regulatory and compliance controls for their cloud environments with just a few clicks.

## FLEXIBLE KEY MANAGEMENT AND ROTATION

To enable effective key management, Rubrik offers the flexibility to manage keys using an internal key manager via the TPM chip or an external key manager that is KMIP-compliant. In both cases, Rubrik facilitates security best-practices by allowing users to easily execute a one-time key rotation or automate recurring rotations. Rubrik key management also enables secure cluster erasure to provide government agencies with an additional layer of security.

## DATA INTEGRITY

Rubrik Cloud Data Management is engineered to maximize resiliency against multiple and concurrent modes of failure. Rubrik's Atlas File System was specifically designed with a focus on data integrity and utilizes multiple layers of redundancy to mitigate against hardware failure. Atlas confirms data integrity throughout the data lifecycle by validating during read/write operations, and as a background process during normal operations. Fingerprinting algorithms further enhance resiliency by guaranteeing data immutability, ensuring that data integrity cannot be compromised in the event of a breach or Ransomware attack.



"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

## THE TRUSTED SOLUTION FOR FEDERAL AGENCIES AND CONTRACTORS



## THE INDUSTRY'S MOST COMPREHENSIVE PORTFOLIO OF GOVERNMENT CERTIFICATIONS



Common Criteria  
EAL2+ Certified



DODIN Approved  
Products List



FIPS 140-2 Level 2  
Validated



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Rubrik delivers instant application availability to hybrid cloud enterprises for recovery, search, cloud, and development. By using the market-leading Cloud Data Management platform to provide instant access with self-service, customers mobilize applications, automate protection policies, recover from Ransomware, search and analyze application data at scale on one platform. From days to seconds.

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