IBM Multi-Cloud Data Encryption V2.1 enhances its layered encryption capabilities with fine-grained access policy control to protect data in any cloud environment

At a glance

IBM® Multi-Cloud Data Encryption V2.1:

- Helps protect against unauthorized data access, including access by system administrators, through the use of client-defined access policies that encrypt data at either the file or block layer
- Features fine-grained access policies that can be calibrated to allow data access to a specific user, for data in a specific folder, and only when using a specific process
- Includes flexible agents that can encrypt by file, folder, or volume
- Protects data in any cloud, on-premises, or multiple clouds, while maintaining centralized control of encryption keys at a location of your choice
- Encrypts existing files and folders in place
- Enables you to move cipher data between servers in different clouds that are running Multi-Cloud Data Encryption, without decrypting and re-encrypting the data
- Includes RESTful APIs that give you the capability to automate, schedule, and scale data protection across the enterprise
- Optionally integrates with IBM Security Key Lifecycle Manager through Key Management Interoperability Protocol (KMIP) or with a leading Hardware Security Module (HSM), such as Gemalto SafeNet Luna used by IBM Cloud, for an additional layer of security and control

Overview

Multi-Cloud Data Encryption provides you with a file, folder, and volume encryption solution that helps to protect your data in any cloud environment while keeping local control over the access policies. As a security-rich, software-based, agent-controller solution, agents can be deployed on operating systems of server nodes in any cloud, coordinated, and managed through an external policy manager and controller that enforces access control.

With V2.1, you now can integrate Multi-Cloud Data Encryption's central management server with the Gemalto SafeNet Luna HSMs via PKCS#11 for hardware-based security of cryptographic keys.
Fine-grain access policies are offered with V2.1 to allow data access to a specific user, for data in a specific folder, and only when using a specific process thus blocking sudo escalation for unauthorized access.

Multi-Cloud Data Encryption is a security-rich, software solution focused on addressing the key areas needed to optimize data privacy:

- Role-based (user, group, or process) data access policies
- Data-at-rest encryption
- Encryption key management
- Monitoring unauthorized or unusual access attempts

Using a central management console, encryption agents can be deployed onto operating systems to protect their data. The central console can deploy and manage agents in any environment, giving a single solution across one or multiple cloud providers. Data access is managed by a policy manager that is part of the central console and it controls how each agent controls and enforces access to data.

Multi-Cloud Data Encryption features built-in key management. It also offers standards-compliant integration with leading HSMs, as well as with KMIP-based software key managers such as IBM Security Key Lifecycle Manager. If an external key manager option is chosen, it manages the policy encryption keys generated within the Management Console, providing for an optional additional layer of security and control. In either case, the central manager logs events using standard formats that can interface with SIEM systems, such as IBM QRadar, for near-real-time data access monitoring and alerts.

**Key prerequisites**

- Internet connection
- Supported browser

**Planned availability date**

November 10, 2017

See the Availability of national languages section for national language availability.

**Section 508 of the US Rehabilitation Act**

IBM makes no representation about the Section 508 status of the third-party electronic and information technology product in this offering. Contact the vendor for specific, current information about the Section 508 status of this product.

**Availability of national languages**

Translation information, if available, can be found at the Translation Reports website.

**Program number**

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<th>VRM</th>
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<td>IBM Multi-Cloud Data Encryption</td>
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**Offering Information**

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No publications are shipped with these programs. Documentation is published in IBM Knowledge Center.

**Services**

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**Technical information**

**Specified operating environment**

**Software requirements**

For information about software and hardware requirements for IBM Multi-Cloud Data Encryption, see the downloadable product documentation.

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Planning information

Packaging

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Product Group: Guardium®

Product Identifier Description: IBM Multi-Cloud Data Encryption (5737-C67)

Product Category: Guardium

Passport Advantage

IBM Multi-Cloud Data Encryption (5737-C67)

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**Charge metric**

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RVU is a unit of measure by which the program can be licensed. RVU Proofs of Entitlement (PoEs) are based on the number of units of a specific resource used or managed by the program. Licensee must obtain sufficient entitlements for the number of RVUs required for licensee's environment for the specific resources as specified in the program specific table. RVU entitlements are specific to the program and the type of resource and may not be exchanged, interchanged, or aggregated with RVU entitlements of another program or resource. See the program-specific RVU table.

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**License Information number**

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**Limited warranty applies**

Yes

**Limited warranty**

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

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**Variable charges apply**

No

**Educational allowance available**

Not applicable.

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**Prices**

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