Entrust KeyControl Compliance Pack

Ensuring compliance of key management with industry-specific, national, and international standards and regulations.

Overview

When faced with a range of business applications utilizing numerous keys and secrets, maintaining compliance of key management with industry-specific standards or international regulations can be non-trivial. Robust key documentation is critical for achieving compliance with regulations and compliance standards. Without clear and complete documentation of keys, it can be extremely challenging to ensure compliance.

The Entrust KeyControl Compliance Pack (KCP), when activated and used in conjunction with KeyControl Compliance Manager and KeyControl Vaults, gives security officers the capability to evaluate the compliance of cryptographic keys used by applications on-premises and in the hybrid and public cloud with a range of standards or an organization's internal security policy. This evaluation of their cryptographic key inventory is compliant with standards such as the Payment Card Industry Data Security Standard the NIST SP 800-57 Recommendation for Key Management, either manually or automatically.

KEY FEATURES

- Protection of AWS customer managed keys using FIPS 140-2 certified assurance
- Single pane of glass for the management of keys across multiple organization accounts.
- Full key management lifecycle of customer managed keys
- Deployed as a virtual appliance
- High-availability (HA) support with active-active cluster
- Support separation of duties, least privilege, dual control, and multi-tenancy
- Automated compliance engine for NIST SP 800-130, HIPAA, and other standards
- Hardware key protection using FIPS 140-2 Level 3 certified HSMs

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Entrust KeyControl Compliance Pack

The compliance pack offers a set of customizable documentation forms and compliance templates that can help fill any gaps in your existing key documentation and enable effective risk and compliance management. By utilizing these forms, organizations can strengthen their documentation and compliance processes, ensuring that an environment is well-prepared for regulatory compliance audits across different types of keys, including KMIP, TDE, and API. Aligning your security requirements with customizable templates provides a unique flexibility for your organization.

Compliance policies can be enforced to cryptographic keys based on various criteria, such as the geographic location of keys, the type of key, or the business application utilizing the keys. The solution, which comprises a centralized, unified dashboard, enables organizations to view and track the compliance level of their cryptographic assets located in one or multiple vaults, whether they are configured locally or distributed geographically.

Compliance reports can be automatically generated and distributed to all relevant parties. Executive summary reports are generated and provided to C-level management for their review and decision-making needs. Detailed reports are generated for operational teams to ensure they have the necessary information for their specific compliance tasks and responsibilities.

Feature	KeyControl Compliance Manager	KeyControl Compliance Pack
Key/Secret Unified Visibility	√	√
Key/Secret Lifecycle History	√	√
Key/Secret Documentation Enforcement	X	√
Key/Secret Metadata Customization	X	√
Regulatory Compliance Assessment	X	√
Compliance Built-in Policies	X	NIST SP 800-57 NIST SP 800-130 Entrust Best Practices for Key Mgmt
Compliance Custom Policies	X	√
Compliance Reporting	X	√

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BENEFITS

Facilitates continuous compliance with regulatory requirements and standards

Beyond the cyber-threat risk, an increasingly complex regulatory environment brings its own risks to businesses.

Ensuring compliance with legal requirements or standards is not always possible when keys aren't sufficiently documented or there is no centralized visibility into keys. Additionally, as the number of keys increases, meeting compliance requirements will consume more and more resources, increasing the overall cost for compliance.

While KeyControl vault offers a single dashboard view of the management of cryptographic keys and secrets, Entrust KeyControl Compliance Manager, when used in conjunction with KeyControl Compliance Packs, extends this capability by providing an automatic approach to help support visibility, reporting, and compliance with industry standards such as NIST SP 800-130 or NIST 800-57.

These capabilities provide a quick payback by reducing the need for staff and ensuring keys are always documented and managed in accordance with a particular security policy or an industry-specific standard. Staff can now be deployed to higher value tasks, as ensuring that key management is meeting regulatory requirements is automated.

Thus, Entrust KeyControl Compliance Manager makes an ideal complementary tool by making it easier to demonstrate compliance to auditors, not only for one key management system but for all key management systems across your organization.

Wherever you operate and whatever the regulation, Entrust KeyControl Compliance Manager can help you achieve and maintain compliance, improving your security and managing your risks.

Improves visibility and operational awareness on cryptographic key compliance and risk

As the infrastructure continues to grow, it is crucial for an organization to continuously monitor the compliance status and associated risk levels of their cryptographic assets, ensuring the security and integrity of the system.

KeyControl Compliance pack automates the collection and analysis of key information generated in the cloud or on-premises. This allows for real-time security assessments and risk scoring of keys.

The solution's intuitive dashboard offers operators a centralized, real-time view of key risk levels and compliance status, providing actionable insights for proactively managing and maintaining compliance.

Entrust KeyControl Compliance Pack

Technical Specifications

Standard support:

- Entrust Best Practices for Key Management
- NIST SP 800-130 - A Framework for Designing Cryptographic Key Management Systems
- NIST SP 800-57 (Part 1, Rev 5) - Recommendation for Key Management

Key & Secret support:

- KMIP keys, Oracle TDE keys, MS SQL Keys, SSH Keys, API keys, tokenization keys, passwords, container secrets, database secrets

Supported public cloud key management systems:

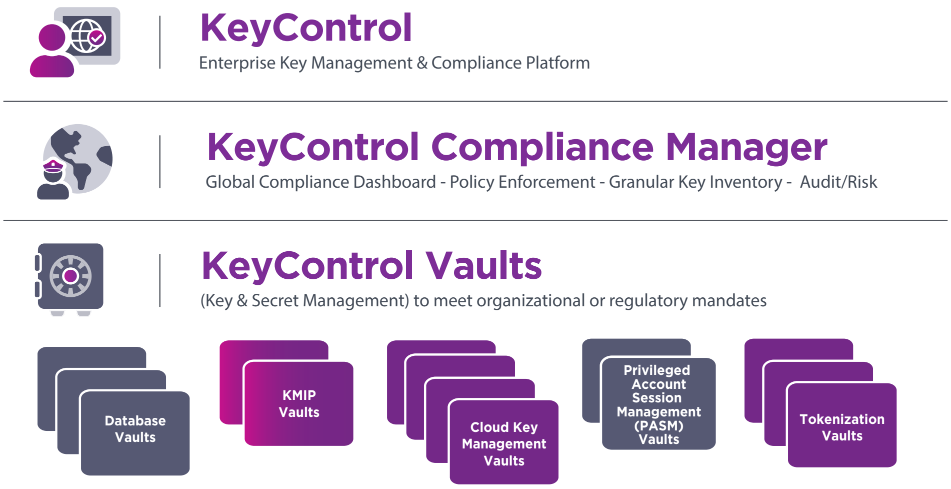
- AWS KMS, Azure Key Vault, GCP KMS

Management and Monitoring:

- Centralized management with Web UI and Rest API

Entrust KeyControl Platform

Entrust KeyControl Compliance Manager is part of a suite of products designed to manage key lifecycles at scale for encrypted workloads in virtualized environments across on-premises, multi-cloud, and hybrid deployments.



KeyControl

Enterprise Key Management & Compliance Platform

KeyControl Compliance Manager

Global Compliance Dashboard - Policy Enforcement - Granular Key Inventory - Audit/Risk

KeyControl Vaults

(Key & Secret Management) to meet organizational or regulatory mandates

Database Vaults
KMIP Vaults
Cloud Key Management Vaults
Privileged Account Session Management (PASM) Vaults
Tokenization Vaults

For more details on the KeyControl platform, KeyControl Compliance Manager, and the range of vaults download the **Entrust KeyControl Solution Brochure.**

Learn more at

entrust.com

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