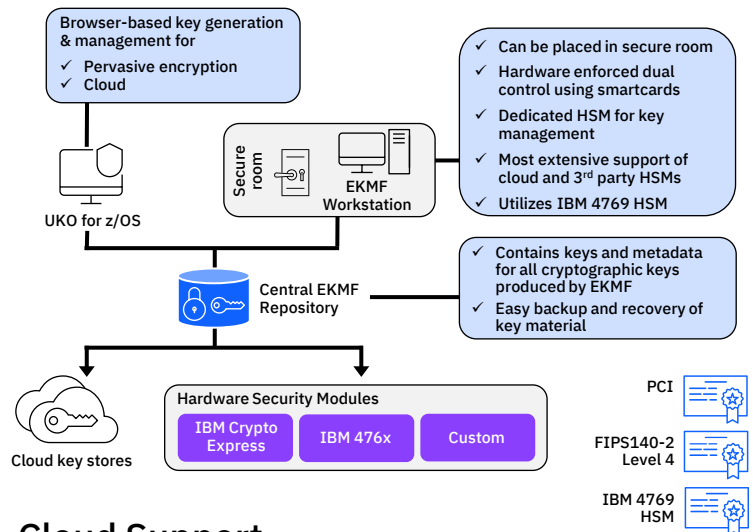


IBM EKMF Workstation with secure room operation

IBM Enterprise Key Management Foundation (EKMF) is a flexible and highly secure key management system for the enterprise.

Benefits

- ✓ **Centralized** key and certificate management for IBM Z®, distributed platforms and the Cloud
- ✓ Can be setup together with **UKO for z/OS®** to provide additional key management capabilities
- ✓ Efficient, secure, and **policy based**
- ✓ **Secure access** for custodians with dual control and separation of duties
- ✓ Support for state of the art and future-proof **post-quantum** cryptographic algorithms
- ✓ Comprehensive key management and easy alignment for **compliance**
- ✓ Best **TCO** for large scale key management
- ✓ **Reduce complexity, security risks, operational errors, and application downtime**
- ✓ Support for EMV Issuer Key and certificate management




Cloud Support



Use cases

Central repository database	<ul style="list-style-type: none"> • Stores keys encrypted • Stores key metadata (activation dates, KCV, key attributes, key locations etc.) • One-click key recovery
Key management	<ul style="list-style-type: none"> • On-demand generation and online distribution based on policies • According to NIST recommendations • Using hardware security modules (HSM) locally in a secure room • Multi-cloud support including AWS, Azure, IBM Cloud and Google Cloud • Extensive key exchange capabilities with multiple PCI key-block and PKCS#11 formats supported including TR-31 key block and remote key load (TR-34) • Manages keys across enterprise including on-prem, cloud, and hybrid environments • Supports secure access through dual-control, separation of duties & role-based access
Pervasive Encryption support	<ul style="list-style-type: none"> • Dataset dashboard • Import and management of existing Pervasive encryption keys • Central support for multiple z/OS systems
Security and compliance	<ul style="list-style-type: none"> • Reduction of cost and risk • Designed for protection against both insider threats and threats from outside • Audit logging
API	<ul style="list-style-type: none"> • TR-34 support for remote key load to ATM's • EMV support for issuer & acquirer side • Digital signing ISO 20022 XML

 To learn more and get started: ccc@dk.ibm.com

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