

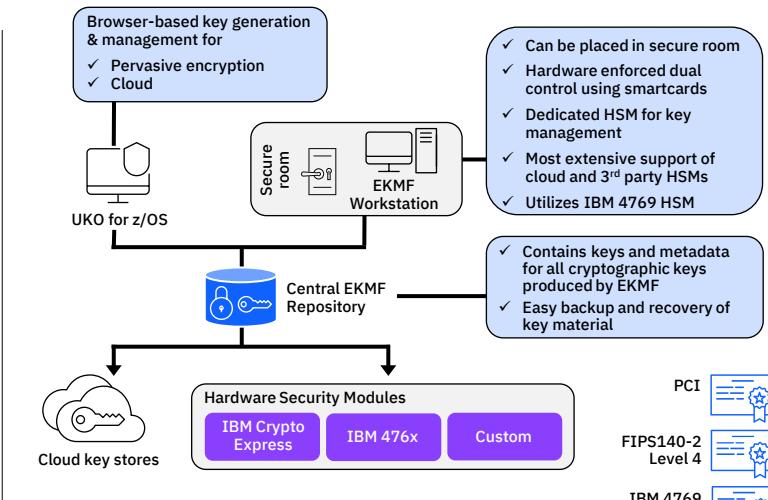
IBM EKMF Workstation with secure room operation



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