

Voltage Key Management Server

Enterprise Key Management

Unlike legacy key management solutions that require complex replication and scaling architectures, Voltage provides "stateless"

[key management](#) that enables on-demand key generation and re-generation without an ever-growing key store. The result is a system that can be infinitely scaled across distributed physical and logical locations with no additional overhead.

To enable reuse of existing infrastructure investments, the Voltage Key Management Server offers a federated authentication model that allows for integration with any existing identity management or credential store. User-, group-, and policy-based authentication rules can be centrally defined on a global or per-application basis.

Benefits of the Voltage Key Management Server:

- Supports both [public- and symmetric-key management](#), including keys for IBE, FPE, AES, and 3DES encryption

- Provides PCI-compliant automated key generation, rotation, and revocation

- Integrates with any existing authentication or identity management system, including Active Directory, LDAP, and Single Sign-On systems

- Offers enterprise-wide visibility through centralized administration, auditing, and reporting

- Eliminates need for complex key databases, certificate directories, and revocation lists

More Information

[Learn about Key Management](#) ▶

[Learn about Voltage Identity-Based Encryption \(IBE\)](#) ▶

[Learn about Voltage Format-Preserving Encryption \(FPE\)](#) ▶