KEYFACTOR

DATASHEET

Keyfactor + Fortanix DSM

End-to-end certificate lifecycle automation backed by secure key orchestration with Fortanix Data Security Manager (DSM).

Fortanix®

APPLICATION

HSM

WORKS WITH

Keyfactor Command

INTEGRATION

PKCS#11

USE CASE

Private Key Protection

As organizations move to the cloud, the use of public key infrastructure (PKI) and certificates to securely authenticate machines and workloads has grown dramatically. To keep pace, security teams need a way to effectively manage all of these machine identities across their hybrid and multi-cloud infrastructure, all while ensuring that sensitive private keys remain protected.

Solution Overview

Keyfactor and Fortanix combine the benefits of certificate lifecycle automation with robust key protection in Fortanix Data Security Manager (DSM). Keyfactor provides full discovery, policy enforcement, and automation for the lifecycle of certificates, and Fortanix DSM ensures secure generation and storage of private keys associated with those certificates. The combined solution gives teams the flexibility to manage millions of keys and certificates, whether in the cloud, on-premise or embedded in IoT devices.

Gain visibility and control

Manage and enforce policy for every certificate issued from your public, private, and cloud-based CAs — all from a single intuitive interface.

Simplify operations

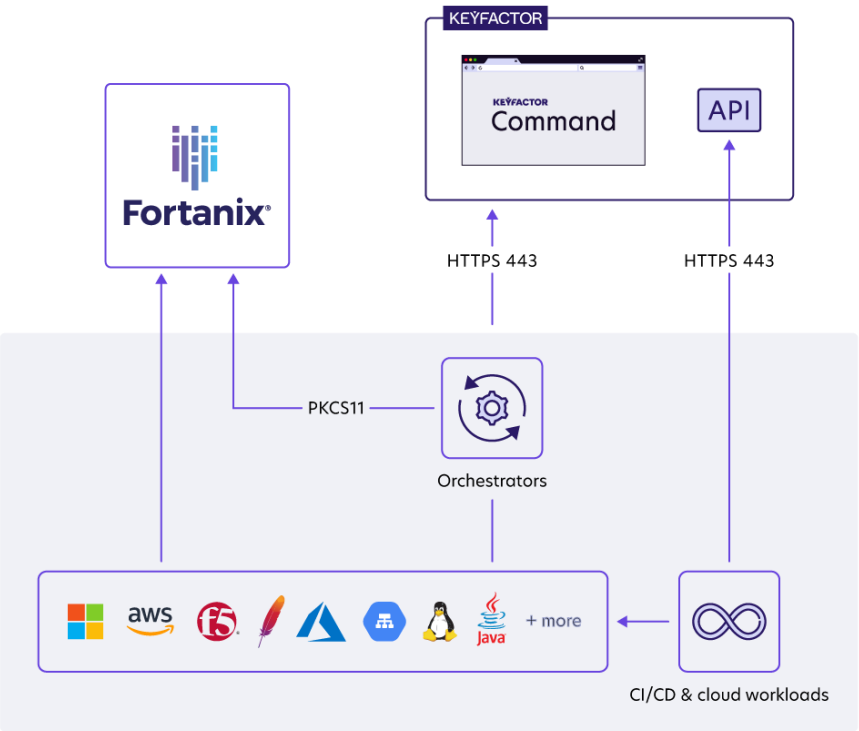
Fully automate certificate renewal and provisioning across all devices and workloads in hybrid and multi-cloud environments.

Protect private keys

Generate, store, and manage hundreds of millions of private keys using the FIPS 140-2 Level 3 certified Fortanix HSM on-prem or in the cloud.

How it Works

Keyfactor Command integrates directly with any public, private, and cloud-based CA to support self-service enrollment and automated provisioning of certificates to workloads. The platform can leverage Fortanix DSM to protect the private key associated with certificates and ensure that crypto-operations are completely secured by Intel SGX.



Key Features

Visibility and control

Centralized console for discovery, management, and self-service enrollment for certificates in multi-vendor environments.

Lifecycle automation

Powerful and highly flexible Orchestrators provide discovery and automation for servers, load balancers, cloud workloads, and more.

Private key protection

Only authorized users can access keys protected with multiple layers of defense, including Fortanix Runtime Encryption and Intel SGX.

DevOps-ready

Extensible RESTful APIs and plugins make it easy for developers to integrate security into applications.

Distributed architecture

Highly scalable, distributed architecture supports millions of keys and certificates per customer.

Flexible deployment

Keyfactor and Fortanix offer the flexibility to deploy as a service (SaaS), on-premise, or in a hybrid architecture.

About Fortanix

Fortanix puts software and hardware security into billions of devices with 100+ security patents. Learn more at www.fortanix.com/solutions/integrations/keyfactor.