

# Thales Luna HSM Hybrid Solutions

Flexible HSM deployment options in the cloud, on-premises or across hybrid environments

#### **5** Things about Luna **HSM Hybrid Solutions**

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Simplify integration and deployment with a wide variety of APIs that help you quickly secure hundreds of applications with out-of-the-box technology partner integrations



Meet your business and compliance needs securely and efficiently with flexible deployment options

Automatically share key material and move keys freely for cloning, backup and scaling across all environments

Secure portability with a common architecture across all Luna HSMs to protect your critical infrastructures

with a strong foundation of digital trust that's certified and crypto agile

Ensure security best practices and compliance with a high assurance FIPS 140-2 Level 3 validated root of trust for any use case, any application, any industry and any environment

## Usability

Luna HSMs and Luna Cloud HSM services work together for optimal flexibility and resilience

#### Secure Backup



Securely backup and restore HSM key material with Luna HSMs

Keys are directly cloned and can flow from on-premises to cloud and cloud to on-premises

## Secure Backup and **Key Cloning**



Secure backup and restore



Direct key cloning

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Automatic key replication

Key ownership

## Easy Steps to backup

#### On-premises HSM to Cloud HSM

Client is connected to Luna HSM or Luna Cloud **HSM Backup Service** 

Administrator issues the standard backup command

Keys are cloned using partition domain control

Backup completed

#### Cloud HSM to On-premises

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From Luna HSM client, connect backup HSM or configure Luna Backup HSM service

## I una HSM Hubrid Solutions

Fle ud, on-premises or across hybrid environments

#### **Enterprise Application**



Integration with over 400 applications including: PKI, IoT, blockchain, code signing, cloud, quantum-safe crypto agility, 5G and more...

#### **Thales Luna HSM Universal Client**

Broad API support including PKCS #11, Java, Open SSL, Microsoft, Ruby, Python, Go and more..

Dedicated Luna HSM in the Cloud

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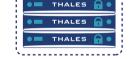


Administrator issues the standard backup command

Keys are securely cloned to the Luna Backup HSM or Service



### **High Availabilty High Assurance**



Luna HSM

**On-premises** 



Luna Cloud HSM

(DPoD)



Ensure availability of critical infrastructure, regardless of the environment



Automatic failover if your infrastructure becomes unavailable



Load sharing if your network volume is taxed

### Peace of Mind

Whether you're using Luna HSMs on-premises or Luna Cloud HSM services on Thales Data Protection on Demand (DPoD), your critical keys are always securely stored in FIPS 140-2 Level 3 validated HSMs helping to reduce risks, maintain SLAs, and ensure regulatory compliance.



#### **Benefits of Luna HSM Hybrid Solutions**



Secure – always remain in control of your keys and ultimately your data

Operational efficiency for reduced costs – flexibility to move keus freely between cloud and on-premises and vice versa



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