

# Crypto Security with **Cloud Simplicity** Cost-effective, easy to manage



## What Is Cloud HSM?

Cloud HSM is just as it's aptly named. It is a secure vault protecting the keys to your data, known as a hardware security module (HSM), delivered as an as-a-service offering.

## How do cloud-based HSMs work?

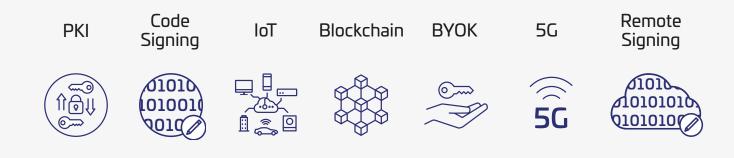
Cloud HSMs provide a secure root of trust to protect your data, strengthening encryption practices by generating keys, encrypting and decrypting data securely, and creating and verifying digital signatures. Cloud-based HSMs like Thales Luna Cloud HSMs provide exactly the same cryptographic functionality as on-premises Luna HSM.

## Why do I need a Cloud HSM?

- Ensure your data, your intellectual property etc., and that of your customers is secure
- Meet compliance regulations
- Meet and exceed established and emerging standards for cybersecurity
- Achieve higher levels of data security and trust
- Maintain high service levels and business agility



### Cloud HSM Use Cases?



## Cloud HSM Use Case Examples



A luxury goods company wanted a more hands-off approach to digital security and compliance and looked to move to cloud. The company protects its critical brand image with the same Luna-based HSM security they've relied upon for years, while benefiting from the convenience of cloud services they desire for the future.



A commercial vehicle manufacturer, rolling out a certificate-based solution to provide secure ID to every vehicle, chose Cloud HSMs to provide the root-of-trust for the PKI. Moving to a Luna Cloud HSM gave the company a simplified solution with the benefits of predictable costs and high availability.



A large manufacturer of audio equipment was looking for a PKI key vault solution. With encryption keys embedded into headphones, the manufacturer needed a PKI key vault solution specifically for certificate signing, to ensure their code isn't modified after it is signed.

# **Benefits of using Cloud HSMs** as a Service



## About Luna Cloud HSM

HSMs are a secure and trusted mechanism used to protect cryptographic keys and secrets. You can use your Luna Cloud HSM to

generate and/or store cryptographic keys, establishing a common root of trust across all applications and services. You can also use your HSM to perform cryptographic operations such as encryption/decryption of data encryption keys, protection of secrets (passwords, SSH keys, etc.), and more.

## About Data Protection on Demand (DPoD)

DPoD is a cloud-based platform that provides a wide range of Cloud HSM and key management services through a simple online marketplace. With DPoD's extensive platform of Luna Cloud HSM, CipherTrust Key Management, payShield payment, and partner-led services, security is made simpler, more cost effective and easier to manage because there is no hardware to buy, deploy and maintain.



Scan to sign up for a free trial of Luna Cloud HSM

