

# Thales CyberArk Privileged Access Security Solutions with Luna HSM and Data Protection On Demand Luna for Cloud HSM CyberArk



Protecting privileged access management credentials presents one of the largest security risks an organization faces today. These access accounts allow control of an organization's resources, disable security systems, and enable access to vast amounts of sensitive data. Forrester estimates that 80 percent of security breaches involve privileged credentials<sup>1</sup>. These breaches can come from external attackers and malicious insiders seeking a way to gain direct access to the heart of the enterprise. The fast adoption of 'everything to the cloud' has increased the IT footprint, creating an increasingly porous enterprise perimeter. Protecting this widely dispersed corporate and customer data, along with their associated user credentials, is paramount to a corporation's reputation, and their success.

## The Challenge

At the same time the adoption of the cloud increases business opportunities, it also drives the growth of a wide range of users that require these powerful Privilege Access Credentials, including:

- Senior-level executives and IT personnel to access sensitive data
- Hypervisor or cloud server managers to administer cloud applications

- Systems, applications or database administrators to access operating systems, servers, and databases
- DevOps or SecOps teams building IT applications for the enterprise
- Third-party providers to enable contractors to perform a job function
- End users given short-term local admin access to allow them to install software or printers

As the threat landscape increases, compliance regulations and internal policy requirements to control, manage and monitor these privileged access accounts have also increased. These compliance regulations, like GDPR, offer significant guidance in attempting to limit the impact of breaches. While these regulations provide guidance on securing data, they also require an organization to provide improved audit and control over their IT security systems, representing an increasing challenge to organizations.

Businesses must develop methods to secure these access privileges while not impacting day-to-day operations. Processes must be implemented that identify security weaknesses, automate key storage, retrieval and rotation, and simplify compliance with policies and regulations.

# The Solution

Privileged Account credentials are the “keys to the IT kingdom.” External attackers and malicious insiders know this is the most effective way to gain access to your critical data. Safely generating and storing the keys used for these access credentials is a critical part of the security solution.

Thales offers two solutions that can generate and store the server keys, providing private key protection and strong entropy for key generation for CyberArk Privileged Access Security Solution system.

Part of the Data Protection on Demand (DPoD) platform, Luna Cloud HSM is a FIPS 140-2 Level 3 cloud hardware security module as-a-service that offers a CyberArk specific key management capability (Luna Cloud HSM for CyberArk) that can be deployed within minutes with no need for specialized hardware or associated skills.

Luna HSMs store, protect and manage sensitive cryptographic keys on-premises in FIPS 140-2 Level 3, tamper-resistant hardware appliances, providing high-assurance key protection within an organization’s own IT infrastructure.

## Key Features

- CyberArk Privileged Account Management systems are only secure as long as their keys are securely stored. Compromised keys can lead to unauthorized access to the vault
- Thales' family of HSM solutions, either Luna Cloud HSM on DPoD or Luna HSM, provide flexibility for cloud, hybrid/multi-cloud or on-premises root of trust protection and management of encryption keys
- CyberArk Enterprise Password Vault applies comprehensive automation and role-based access controls to the SSH Keys stored in DPoD's Luna Cloud HSM for CyberArk or an organization’s implementation of Luna HSM

# Solution Benefits

- Enhanced key protection significantly enhances security and reduces risk
- Automated password system, with role-based credential management system
- Reporting and audit features for easier adherence to compliance regulations
- Cloud, hybrid and on-premises support is flexible and scalable for a global solution

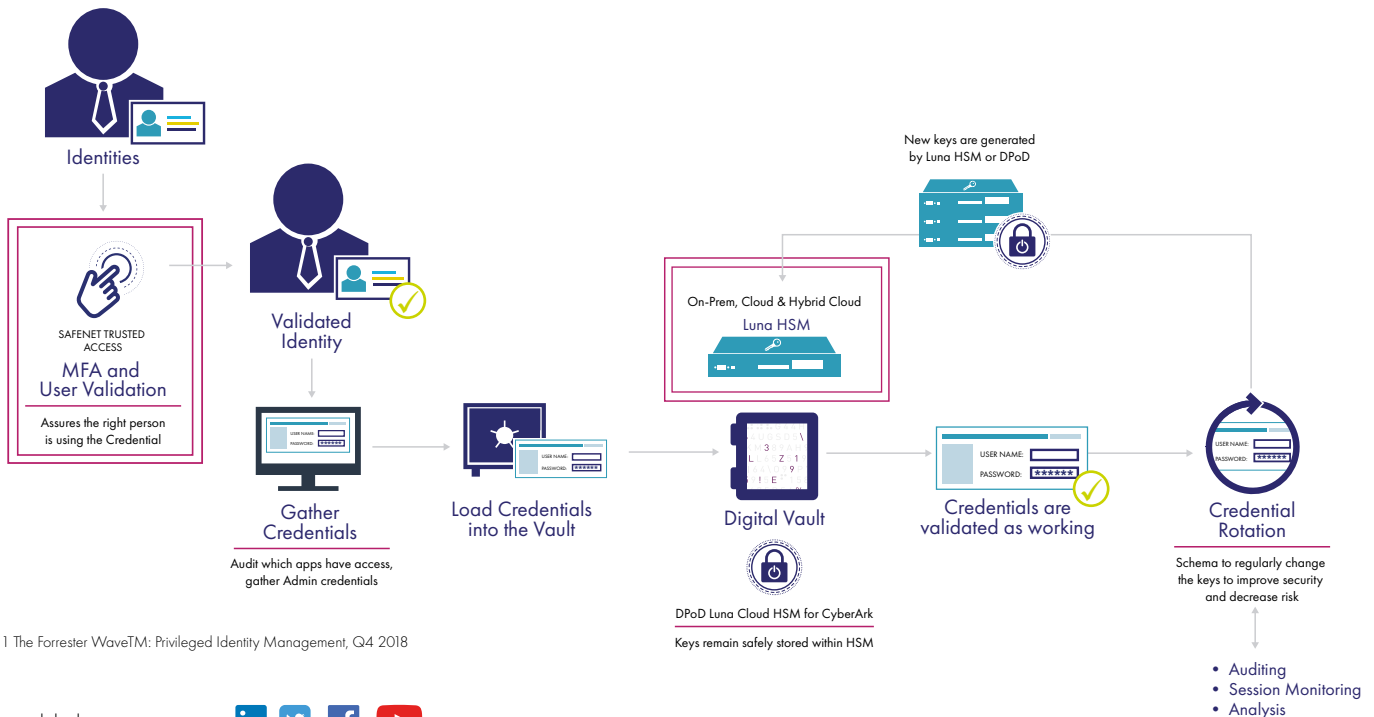
## About CyberArk

CyberArk is the global leader in privileged access security, a critical layer of IT security to protect data, infrastructure and assets across the enterprise, in the cloud and throughout the DevOps pipeline. CyberArk delivers the industry’s most complete solution to reduce risk created by privileged credentials and secrets. The company is trusted by the world’s leading organizations, including more than 50 percent of the Fortune 100, to protect against external attackers and malicious insiders. A global company, CyberArk is headquartered in Petach Tikva, Israel, with U.S. headquarters located in Newton, Massachusetts. The company also has offices throughout the Americas, EMEA, Asia Pacific and Japan.

## About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.



1 The Forrester Wave™: Privileged Identity Management, Q4 2018