THALES

CipherTrust Manager Professional Certification Course

TRAINING AGENDA

CPL Technical Training

CipherTrust Professional Certification Course

Overview

The CipherTrust Data Security Platform is an integrated suite of data-centric security products and solutions that unify data discovery, protection and control in one solution.

Thales has pushed the innovation envelope to remove complexity from deploying data security, accelerate time to compliance and secure cloud migrations.

The platform provides powerful tools to:

- Discover and classify the data that your organization should be protecting
- Protect against external threats and insider abuse with robust encryption, granular access controls, and tokenization strategies
- Control your data, wherever it is stored, with strong centralized key management

This self-paced certification course focuses on the CipherTrust Data Security Platform and its integrated solutions. The training sessions will be in the form of narrated presentations. Hands-on lab practices will be available over a remote virtual lab.

Student interaction and email based Q&A with the instructor is available throughout the entire course, during regional business hours.

An active internet connection is required to attend each online training session and view course material.

Training Objectives

- Overview of the CipherTrust Solution and its basic functions
- Understand the aspects and tools of CipherTrust product suite
- Evaluate device architecture and usage schemes
- Deep dive into Application support
- Install and configure CipherTrust Transparent Encryption
- Cover backup and restore operations
- CipherTrust REST-API support
- Introducing CCKM

Duration

Maximum of 5 days.

Thales Certification Exam

This course prepares you to take the CipherTrust Professional Certified Engineer Certification Exam.

Included in the price is one exam voucher redeemable for up to 30 days post-training.

Certification Exam. Students who pass the certification exam are entitled to a certificate and a digital badge.

Modules and Sessions

Session one – CipherTrust Product Overview and Technical Overview

Course Introduction and Product Overview

Module 1 – CipherTrust Manager Overview and Basic Functions

- Review the CipherTrust Management Server, terminology and components, solution architecture and system requirements
- Cover new features introduced in CipherTrust
- CipherTrust first initialization and IP configuration
- Lab Practice: Review functionality, usage of the CipherTrust Web UI, and using the *ksadmin* user
- Lab Practice: REST-API samples
- Lab Practice: CipherTrust Manager Clustering

Session two – CipherTrust ProtectDB (CDP), ProtectFile and ProtectApp

Module 1 – ProtectDB (CDP)

- ProtectDB main features and use cases
- Technical Overview
- Lab Practice: Install and configure ProtectDB with Microsoft SQL Server

Module 2 – ProtectApp

- ProtectApp review & integration
- Features and tools
- Lab Practice: Install and configure ProtectApp using the crypto tool to perform operations

Session three – CipherTrust Tokenization Server (CTS)

Module 1 – CipherTrust Tokenization Server

- CipherTrust Tokenization Server Solution overview
- Learn how Tokenization works and real-world usage
- Lab Practice: Install and Configure CTS

Session four – CipherTrust Transparent Encryption (CTE)

Module 1 – CTE

- CipherTrust Transparent Encryption Solution overview
- Discuss Licensing schemes
- CTE Terminology
- Lab Practice: Install and configure CTE on Windows Server 2019, protecting a folder and using LDT to encrypt and decrypt data, using the d*ataxform* tool
- Lab Practice: Install and configure CTE on Linux CentOS 7, protecting a directory, and debugging options

Session five – CipherTrust Cloud Key Manager (CCKM)

Module 1 – CTE

- CCKM Solution overview
- CCKM Terminology
- Lab Practice: Configure the CipherTrust CCKM embedded with Amazon AWS and Microsoft Azure
- Lab Practice: Configure the CipherTrust CCKM Virtual Appliance with Amazon AWS

Session six – CIpherTrust Key Management Interoperability Protocol (KMIP)

Module 1 – CTE

- CIpherTrust Key Management Interoperability Protocol (KMIP) Solution overview

Certification Exam.

Additional questions about Thales Technical Training?

Contact the CPL Technical Training Team at: *idppartnertraining@thalesgroup.com*