Course Code: HYCYA01G

Course Title: CyberArk Fundamentals

Description:

CyberArk Fundamentals course develops your skills and provides the expertise needed to build, deploy, and configure the Privileged Account Security Solution. Through real-world scenarios, you will gain hands-on experience establishing CyberArk infrastructure, defining authentication types, and more.

Objectives:

- Gain the skills and expertise needed to build, deploy, and configure the CyberArk Privileged Account Security Solution
- Learn to set up authentication methods
- Learn concepts such as architecture and procedures of CyberArk privileged account protection program.
- Gain knowledge of securing and deploying Central Policy Manager (CPM), Privileged Session Manager (PSM), and Password Vault Web Access Manager (PVWA) in a distributed or load-balanced architecture
- Ability to backup CyberArk vault

Prerequisites:

Basic knowledge in programming

Duration:

24 Hrs

Topics:

Module 1: Privileged Identity Management – Introduction

- Enterprise pain areas
- Associated risk
- Expected Solution

Module 2: CyberArk Overview
Module 3: CyberArk Solution Components

- CyberArk Vault
- Password Vault Web Access Manager
- Privileged Session Manager
- Central Password Manager
- CyberArk Vault Client.

Module 4: Overview of CyberArk functioning
Module 5: CyberArk Infrastructure Installation

- Installation Pre-requisites (Network, Software OS/Hardware)
- CyberArk Port awareness.
- CyberArk Vault Installation.
- CyberArk Active Directory Integration.
- CyberArk Email Notification engine configure awareness.
- CyberArk CPM Installation.
- CyberArk PVWA Installation.
- CyberArk PSM Installation.
- CyberArk Vault Client Installation.

Module 6: CyberArk Policy Configuration Overview
Module 7: CyberArk Policy Creation

- Master Policy
- CPM Platform Policy
- Scheduled Task
- Services

Module 8: CyberArk Safe Management

- Safe Creation
- User addition (Ldap)
- User Access Matrix
- Dual Control
- Object Level Access Control

Module 9: CyberArk Account Integration

- Windows
- Unix/Linux
- Network Device Overview
- Security Device Overview

Module 10: CyberArk Use Cases

- User OnBoarding
- Privileged Single-Sign-on
- Password Reconciliation
- Access privilege of User Accounts in PAM
- Authentication (2-factor) Overview
- Dual Access Control
- Auditing/Reporting
- Session Recording
- Users OffBoarding

Module 11: CyberArk Vault Backup Activity
Module 12: CyberArk Trouble Shooting

- Creating an encrypted credential password file for pvwaapp user
- Creating an encrypted credential password file for gw user
- Creating an encrypted credential password file for a password manager user
- Creating an encrypted credential password file for psmapp user creating an encrypted credential password file for psmgw user
- Unlocking and password resetting of all above-mentioned system users

Module 13: CyberArk DR Overview

- DR Vault
- DR CPM
- DR PVWA
- DR PSM

Audience:

- IT Security Professionals
- Vault Admins
- Professionals interested in building their career in CyberArk programming

Certification:

None