CYBERARK PAS INSTALL AND CONFIGURE COURSE AGENDA

Description

The Privileged Account Security (PAS) Install and Configure course covers CyberArk's Enterprise Password Vault (EPV) and Privileged Session Manager (PSM) solutions, including components Central Policy Manager, Password Vault Web Access, Disaster Recovery, PSM SSH Proxy and Backup and Restore.

The training provides the practical knowledge and technical skills to securely design, install, and configure the CyberArk Privileged Account Security Solution. The student will gain valuable hands-on experience installing CyberArk components, configuring Authentication Types, and System Integrations (SIEM, SMTP, NTP), using our step-by-step exercise guide, official product documentation and a dedicated lab environment.

Target Audience

- Anyone who is interested in learning about or will be required to install and perform initial configuration and set up of the CyberArk Privileged Security Solution.
- Includes Vault Administrators or other IT Security Professionals who would like to increase their knowledge of the CyberArk PAS solution.

Objectives

Upon completion of this course the participant will be able to:

- Learn to install and configure the CyberArk Privileged Account Security solution securely following Best Practices.
- Be able to define and describe the CyberArk Privileged Account Security system architecture, requirements, and workflow processes.
- Understand how to secure and install Password Vault Web Access (PVWA) Central Policy Manager (CPM) and Privileged Session Manager (PSM) in a distributed or Load Balanced configuration.
- Learn how to integrate with external services, e.g., LDAP/S, NTP, SMTP, SYSLOG.
- Configure authentication mechanisms including multi-factor authentication using CyberArk, RADIUS, LDAP/S, PKI, Windows.

Topics

The course includes the following topics:

- Overview of the PAS Architecture
- Enterprise Password Vault Security
- Enterprise Password Vault Standalone and High Availability Installation
- CPM, PVWA, PSM and PSMP Component Installations including Standalone and Fault Tolerant options
- System Integrations e.g., SMTP, NTP, SNMP, LDAP/S
- Authentication Methods e.g., RADIUS, PKI, LDAP/S and Multi-Factor

DAILY **AGENDA**

- Reporting
- Troubleshooting

Technical Prerequisites

- A computer that is able to connect to the Internet as well as a browser that support HTML 5
- Skytap Checker
- WebEx Checker
- Sales Force Checker

Course Prerequisites

- Completed Privileged Account Security Administration Course or hold a Defender Certification
- Basic networking knowledge
- Basic Windows administration knowledge

Duration

4 days

DAILY **AGENDA**

DAY ONE	
Topic/Task	**Description/Activity**
Course Opening	
Privileged Account Security Architecture	▪ Review of the components of the PAS solution. ▪ Advanced designs including Vault HA, Component Load Balancing, Distributed Models and PSM Farms.
Enterprise Password Vault	▪ OS Configuration ▪ HA Architecture and Requirements ▪ Installation walk-through
	Practical Exercise
Multiple Components: CPM, PVWA	▪ Redundancies ▪ Functionality ▪ Installation ▪ Security and Hardening ▪ Architecture ▪ Vault environment ▪ Load Distribution and Load Balancing
	Practical Exercise

DAILY **AGENDA**

DAY TWO	
Topic/Task	**Description/Activity**
Privileged Session Manager	■ Functionality ■ Architecture ■ Installation ■ Security and Hardening ■ Configuration ■ Monitoring
	Practical Session
PSM SSH Proxy (PSMP) and ADB	■ Functionality ■ Architecture ■ Installation ■ Security and Hardening ■ Configuration ■ Monitoring
	Practical Session

DAILY **AGENDA**

DAY THREE	
Topic/Task	**Description/Activity**
Advanced Authentication	▪ Vault-Level Authentication ▪ PVWA-Level Authentication ▪ Two-Factor Authentication
System Integrations	▪ SMTP ▪ NTP ▪ SNMP ▪ LDAP ▪ SIEM/SYSLOG
Security Fundamentals	▪ Securing the CyberArk Platform ▪ Using CyberArk to Secure CyberArk Accounts ▪ Best Practices
	Practical Session

DAY FOUR	
Topic/Task	**Description/Activity**
Troubleshooting Basics	▪ Troubleshooting Flow ▪ Understanding the Logs ▪ Documentation and Knowledge Base ▪ Basic Troubleshooting Examples
Troubleshooting Common Issues	▪ PSM-RDP ▪ PSM-[Component] ▪ CPM Windows Targets ▪ CPM Unix based Targets