Cyberark Privilege Cloud Administration - Course Agenda

Description

The CyberArk Privilege Cloud Administration course covers CyberArk's Privilege Cloud architecture and core concepts.
New CyberArk administrators or 'Privilege Cloud Administrators' will gain extensive hands-on experience in administrating the Privilege Cloud product by using our step-by-step exercise guide and dedicated lab environment.
This course provides the participant with the knowledge and skills required to administer, monitor, and troubleshoot a new Privilege Cloud implementation.
The course includes discussions on Privilege Cloud architecture, password management, and privilege session management. Software concepts including monitoring, and troubleshooting are also introduced.

Target Audience

New Privilege Cloud Administrators who may or may not be familiar with PAM ideology in general.

Objectives

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

- Describe the unique system architecture of the Privilege Cloud environment.
- Successfully manage passwords (Verification, Change and Reconciliation)
- Onboard accounts using Accounts Feed.
- Configure sessions to be directed through a Connector server with the PSM component.
- Monitor recorded sessions.
- Modify Master Policy settings.
- Produce reports on activities.
- Monitor the environment.
- Describe and configure the various logs that are available to troubleshoot problems.
- Utilize the knowledge base and other available resources to resolve problems.
- Perform common administrative tasks

DAILY **AGENDA**

Topics

The course includes the following topics:

- Overview of Threats and the Privilege Cloud Solution
- Privilege Cloud Architecture Overview
- Users and Groups
- Access Control

Technical Prerequisites

- A computer connectable to the Internet.
- HTML 5 supported browser
- Skytap Checker
- WebEx Checker
- Salesforce Checker

Course Prerequisites

- Basic networking knowledge
- Basic Windows administration knowledge
- Basic Linux knowledge

Duration

3 days

DAILY **AGENDA**

DAY ONE	
Topic/Task	**Description/Activity**
Introduction to Privilege Cloud	▪ Introduction to CyberArk ▪ Threat & Challenges ▪ Features ▪ Cloud Vault ▪ On-Prem Components ▪ Privilege Cloud Architecture ▪ Interfaces
Introduction to Shared Services	▪ Terminology ▪ User Management ▪ Provisioning
Policies and Platforms	▪ Workflow ▪ Master Policy ▪ Platform Overview ▪ Platform Management ▪ Exception to the Master Policy
Safes	▪ Vault Model ▪ Safe Model Design ▪ Safe Creation ▪ Hands-On exercise ▪ Permissions and Roles
Accounts Part 1	▪ Account Onboarding Flow ▪ Add Account ▪ Account Operations ▪ Verify a Password ▪ Change a Password

DAILY **AGENDA**

DAY TWO	
Topic/Task	**Description/Activity**
Accounts Part 2	▪ Linked Accounts ▪ Logon Accounts ▪ Reconcile Accounts ▪ SSH Key Management
Privilege Access Workflows	▪ Allow Transparent Connections ▪ Reason for Access ▪ Dual Control ▪ Exclusive Access ▪ One-Time Password ▪ Combining Workflows
Discovery and Onboarding	▪ Discovery Methods ▪ Account Discovery ▪ Onboarding Rules ▪ Windows Discovery ▪ Unix/Linux Discovery ▪ Pending Accounts ▪ Manual Onboarding ▪ RestAPI
On-Prem Components and Fault Tolerance	▪ Identity Connector ▪ Secure Tunnel ▪ Connector Management ▪ Additional Components ▪ Service Availability and Fault Tolerance
CPM Architecture and Redundancy	▪ CPM ▪ Internal Component Communication ▪ Redundancy of CPM Roles ▪ Best Practices

DAILY **AGENDA**

DAY THREE	
Topic/Task	**Description/Activity**
PSM Suite	▪ Universal PSM ▪ PSM Ad-Hoc ▪ Remote Access (HTML5GW) ▪ PSM for Windows ▪ PSM for SSH ▪ Session Monitoring ▪ Active Monitoring ▪ Supported Capabilities
PSM Architecture	▪ PSM Service and Logs ▪ PSM Local Users ▪ PSM Connectors & Platforms ▪ Load Balancing
Reports	▪ Privilege Cloud Reports ▪ Telemetry Dashboard
System Monitoring & Admin Tasks	▪ Monitoring ▪ Common Tasks ▪ Best Practices ▪ Resources
Troubleshooting Common Issues	▪ Components Connectivity issues ▪ CPM Troubleshooting ▪ PSM Troubleshooting ▪ PSM Error example