VMware Carbon Black Cloud : Plan and Deploy

Course Outline

1. Course Introduction

- **Introductions and Course Logistics:** Overview of participants, course schedule, and logistics.
- **Course Objectives:** Define the key learning outcomes and skills participants will acquire by the end of the course.

2. Introduction to VMware Carbon Black Cloud

- **Describe the VMware Carbon Black Cloud Platform:** An overview of the platform's features and capabilities.
- **Describe VMware Carbon Black Cloud Operating Systems Requirements:** Understanding the OS compatibility and requirements for deployment.
- **Identify Interesting Files According to VMware Carbon Black Cloud:** Criteria for determining files of interest within the environment.
- **Identify Events Collected:** Types of events that the platform collects for analysis and response.
- **Describe Data Flows:** Overview of how data moves within the VMware Carbon Black Cloud infrastructure.

3. Managing VMware Carbon Black Cloud Roles and Users

- **Describe the Use of Roles in VMware Carbon Black Cloud:** Understanding user roles and their significance in access control.
- **Describe RBAC Capabilities:** Explanation of Role-Based Access Control and its application within the platform.
- **Create and Edit a Custom Role:** Hands-on practice in customizing roles to meet organizational needs.
- **Manage New Console Users:** Process for adding and managing users in the Carbon Black Cloud console.
- **Recognize the Impact of a User Role on a Console User:** Understanding how roles affect user permissions and access.
- **Describe Authentication Mechanisms:** Overview of different authentication methods supported by the platform.

4. VMware Carbon Black Cloud Sensors

- **Describe the VMware Carbon Black Cloud Sensor Resource Usage:** Understanding resource requirements for optimal sensor operation.
- **List the Supported Operating Systems for VMware Carbon Black Cloud Sensors:** Overview of OS compatibility for sensors.
- **Explain Sensor Usage in VMware Carbon Black Cloud:** How sensors are utilized within the platform to monitor and protect endpoints.

5. Preparing for Deployment

- **Identify Configuration Settings for Endpoints in Sensor Policy Settings:** Best practices for endpoint configuration prior to deployment.

- **Organize Sensors Using Sensor Groups:** Techniques for grouping sensors to streamline policy assignment based on criteria.
- **Compare VDI Sensor Settings to Traditional Endpoint Sensor Settings:** Differences and considerations for deploying in VDI environments.
- **Determine Requirements for Initial Deployment of Sensors:** Necessary preparations for a successful sensor rollout.
- **Evaluate Policy Impact on Sensors:** Understanding how policies affect sensor functionality and performance.
- **Identify Best Practices for Deploying Sensors:** Recommendations for effective sensor deployment.

6. Installing Sensors

- **Describe How to Send an Installation Request:** Steps to initiate sensor installation requests.
- **Recognize the Features and Limitations of an Installation Code and Company Code:** Understanding the role of installation codes in the deployment process.
- **Recognize the Process for Successfully Completing an Attended Installation:** Overview of the attended installation workflow.
- **Recognize the Differences Between Attended and Unattended Sensor Installation Methods:** Pros and cons of each installation approach.
- **Identify the Correct Deployment Strategy for a Given Scenario:** Selecting the appropriate method for sensor deployment based on context.
- **Generate Logs with Unattended Installations:** How to collect logs during unattended installations for troubleshooting.
- **Generate Sensor Logs:** Steps for generating and accessing sensor logs for analysis.
- **Check Network Connectivity for Sensor Installation:** Ensuring network readiness for sensor deployment.

7. Deploying Workloads

- **Recognize the Deployment Process for VMware Carbon Black Cloud Workload:** Overview of how to deploy workloads within the Carbon Black Cloud environment.
- **Identify Eligible Workloads in a vSphere Environment:** Criteria for determining which workloads can be monitored.
- **Recognize How to Enable the VMware Carbon Black Cloud Sensor on a VM Workload:** Steps to activate the sensor for virtual machines.

8. Managing Sensors

- **Describe VMware Carbon Black Cloud Sensor Deployment:** Understanding the overall process and considerations for sensor deployment.
- **Explain the Differences in Sensor Status:** Overview of various sensor statuses and their implications.
- **Describe Sensor Update Capabilities:** How to manage and update sensors effectively.
- **Explain Sensor Actions:** Different actions available for managing sensors.
- **Manage vSphere Workloads:** Best practices for overseeing workloads in a

vSphere environment.

9. Post-deployment Validation

- **Describe the Process of a Sensor Background Scan:** Understanding the importance of background scans post-deployment.
- **Recognize a Properly Registered Sensor Installation:** How to verify successful sensor registration.
- **Identify Sensor Status in RepCLI:** Using RepCLI to check and manage sensor status.