HPE OneView (0001207684) Training

Duration: **3 Day**

BILGINÇ IT Academy
info@bilginc.com
bilginc.com

HP OneView 1.20 Rev. 15.21 is a 3 day training course. The course teaches technical individuals how to recommend and demonstrate HP OneView 1.20 infrastructure management solutions. The course prepares presales architects for customer engagements by covering product features and functions and preparing individuals to demonstrate HP OneView through hands-on lab exercises. Course participants will learn the architectural model, feature set, installation and setup, and how to configure environments.

Prerequisites

Audience

- Sales consultants, sales engineers, and presales engineers who will recommend, design, and demonstrate HP converged infrastructure solutions.

What You Will Learn

Module 1 - Software Defined Data Center and HP OneView Value Proposition

- Describe the concept of a software-defined data center (SDDC) and the HP approach to providing software solutions for organizations moving toward an SDDC
- Describe the value proposition for the HP OneView

Module 2 - Product Architecture Overview

- Describe the key features of HP OneView
- Describe the architecture of OneView
- Explain how OneView operates in environments with legacy applications
- Provide an overview of the installation of OneView

Module 3 - Adding and Managing Enclosures and Servers

- Describe the primary functions of the HP OneView Physical Server, Connectivity, and Storage resource managers
- Define key configuration elements
- Enclosure Groups
- Logical Interconnects and Logical Interconnect Groups
- Interconnects
- Uplink Sets and Networks
- Server Hardware and Server Hardware Types
- Storage Systems
- SAN Managers
- Volumes
- Explain how to update firmware for enclosures and its components
- Outline how to manage MAC addresses, WWNs, and serial numbers system-wide

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- Explain how to provision and manage storage volumes for assignment to servers

Module 4 - Creating and Managing Server Profiles

- Describe server profile assignment processing and managing the server profile lifecycle
- Explain how to configure base attributes of a server profile including server hardware type, server hardware, affinity, and firmware baseline
- Explain how to configure advanced attributes of a server profile including connection settings, local storage, SAN storage volumes, boot order, and BIOS/UEFI settings
- Describe HP OneView integration for virtualization management including for VMware vCenter and Microsoft System Center

Module 5 -Resource Health Monitoring

- Describe resource health monitoring architecture
- Explain how to use SNMP Trap Receiver, Alerts Service, and Alert Aggregation Service
- Set up status polling and collection operation
- Explain the differences in support for HP ProLiant Gen8/Gen9 and G7 servers
- Configure alert email notifications
- Set up inventory and alerts reporting
- Customize the dashboard

Module 6 - Environmental Resource Manager

- Describe Environmental Resource Manager architecture
- Explain utilization collection and display
- Describe how iPDU discovery works
- Configure 3D data center topology information

Module 7 - OneView Appliance Security

- Describe HP OneView security features and operation
- Explain design features that provide security
- Implement external authentication of HP OneView management users
- Manage the HP OneView web server certificate

Module 8 - REST API

- Explain the origins and use benefits of REST API
- Describe HP OneView resource-oriented architecture
- Performance the basic operations of the four REST API calls
- Describe how to use the HP OneView PowerShell Library

Module 9 -HP OneView Data Simulator

- Describe the purpose, key capabilities, and packaging of HP OneView DCS
- Install and set up HP OneView DCS for the first time

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- Describe the HP OneView DCS default schematic
- Explain how to manage HP OneView DCS
- Model an entire data center
- Perform a standard demo