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Module 1: HP OneView Overview

- Describe HP OneView and its positioning
- Describe the HP OneView resource model
- List what is new in HP OneView 1.20
- Introduce the OneView for VMware vCenter and Microsoft System Center plugins
- List HP OneView URLs for reference documentation and more information

Module 2: HP OneView Installation

- Describe HP OneView language localization
- Review the HP OneView support matrix
- List the HP OneView supported hardware
- List the HP OneView configuration limits
- Describe the HP OneView deployment on a VMware ESXi host
- Describe the HP OneView deployment on a Microsoft Hyper-V host
- Configure OneView on first access
- Discuss VMware Tools Support
- List HP OneView documentation

Module 3: Network Creation and Management

- Describe the Connectivity Resource Manager
- Describe HP OneView Networks
 - Network Sets and Uplink Sets
 - Fibre Channel connections
 - Compare HP Virtual Connect Manager to HP OneView Networks
 - Configure Active/Standby and Active/Active networking

Module 4: Storage Management

- Review OneView resource architecture and capabilities
- Describe supported storage hardware
- Describe Storage Resource Manager, storage administrator role, and associated use cases
- Add a SAN Manager and associated SAN fabrics
- Add and configure a storage system and storage pools

- Manage storage volumes and volume templates
- Describe basic storage diagnostics and alerts

Module 5: Connectivity Management

- Describe:
 - HP OneView Domains, Enclosure Groups, and Logical Interconnect Groups
 - OneView logical Interconnects and Interconnects
 - HP OneView MAC and WWN Addressing
- Import an enclosure and update the associated firmware
- Explain the firmware repository
- Explore the firmware update processes available in HP OneView

Module 6: HP OneView Server and Enclosure Management

- Describe these OneView resources:
 - Enclosure groups and Enclosures
 - Server Hardware Type and Server hardware
- Describe the process of adding enclosures and server blades to OneView
- Migrate an existing Virtual Connect Domain structure into OneView
- Describe the process of adding HP ProLiant BL and DL servers to OneView
- Describe the refresh procedures
- Explore OneView licensing
- Remove components from OneView

Module 7: HP OneView Profile Management

- Describe
 - OneView Server Profiles
 - OneView Server Profile Connections
- Control server profile and network bandwidth
- Configure OneView Server Profile Boot Order
- Explore OneView Server Profile BIOS settings
- Attach to 3PAR storage volumes
- Managing OneView server profiles

Module 8: Health and Environmental Monitoring

- Describe the server health monitoring in OneView
- Explain iLO 4 status traps and polling
- Describe enclosure and server connectivity alerts
- Describe G7 server health monitoring with OneView
- Describe the basic environment components

Module 9: HP OneView Maintenance and Troubleshooting

- Administer OneView user accounts and roles
- Configure Active directory and manage certificates
- Update/upgrade the OneView appliance
- Backup and restore OneView
- Monitoring and troubleshooting tools available in OneView
- Download support dumps

- Troubleshooting tips
- Reset the Administrator password
- List the HP Services available to support OneView installation and integration

Module 10: HP OneView REST API Overview

- Describe the basic concepts of the REST API in OneView
- Explain the OneView API design goals, resources, and operations
- Use the cURL command line utility to access the OneView REST API functions
- Programming development and debugging OneView using the REST API extensions for web browsers
- Access and use the PowerShell wrapper with the OneView REST API

Lab 1: Installing and configuring HP OneView

Installing and configuring HP OneView

Lab 2: Configuring Networks

Configuring Networks

Lab 3: Configuring Storage

Configuring Storage

Lab 4: Configuring Logical Interconnect Groups

Configuring Logical Interconnect Groups

Lab 5: Managing Enclosures

Managing Enclosures

Lab 6: Managing Server Profiles

Managing Server Profiles

Lab 7: Reconfiguring Logical Interconnect Group to Active/Active

Reconfiguring Logical Interconnect Group to Active/Active

Lab 8: Health and Environmental Monitoring

Health and Environmental Monitoring

Lab 9: Maintaining HP OneView

Maintaining HP OneView

Lab 10: Troubleshooting HP OneView

Troubleshooting HP OneView

Lab 11: Accessing HP OneView by using REST API calls

Accessing HP OneView by using REST API calls

Lab 12: Managing HP OneView with PowerShell library for REST API scripting

Managing HP OneView with PowerShell library for REST API scripting

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