

HPE OneView, Rev. 17.11 (01064181) H7H11S

This course teaches the HPE OneView infrastructure management solution.

Topics include:

- HPE OneView architectural model
- Product features and functions
- How to configure
- How to recommend and demonstrate

HPE course number	H7H11S
Course length	3 days
Delivery mode	ILT/VILT
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Why HPE Education Services?

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Audience:

- Sales Consultants
- Technical Consultants
- Sales Engineers
- Systems Engineers
- Pre-sales Engineers

Objectives

After completing this course, you should be able to do the following:

- Describe HPE OneView infrastructure management solution
- Describe HPE OneView architectural model
- Describe HPE product features
- Describe HPE product functions
- Describe HPE and REST API

*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, January 2016

Detailed Course Outline

Why HPE OneView?	<ul style="list-style-type: none"> Identify how data centers can be successful in the idea economy Explain how the Hewlett Packard Enterprise (HPE) Transformation Areas can address IT problems 	<ul style="list-style-type: none"> Explain the role of the HPE software-defined data center (SDDC) Describe the HPE SDDC architecture
HPE OneView Value Proposition and Key Features	<ul style="list-style-type: none"> Describe how Hewlett Packard Enterprise (HPE) OneView offers a new approach to infrastructure lifecycle management Outline the key capabilities of HPE OneView, including: <ul style="list-style-type: none"> Server provisioning Storage management HPE Virtual Connect networking Automated change management with driver and firmware updates 	<ul style="list-style-type: none"> Summarize details about the HPE OneView integrations that provide additional support for partner management platforms Explain how the HPE Synergy framework leverages HPE OneView
Product and Architecture Overview	<ul style="list-style-type: none"> Describe the architecture of Hewlett Packard Enterprise (HPE) OneView Explain how HPE OneView operates in environments with legacy applications, including: <ul style="list-style-type: none"> HPE Virtual Connect Manager (VCM) HPE Virtual Connect Enterprise Manager (VCEM) HP Systems Insight Manager (HP SIM) Summarize HPE OneView licensing considerations 	<ul style="list-style-type: none"> Specify which devices and interconnect modules are supported by HPE OneView List the hardware requirements for rack servers and server blades that HPE OneView can manage, along with the system requirements of the HPE OneView virtual appliance Provide an overview of the HPE OneView installation process Customize the HPE OneView Dashboard
Adding and Managing Enclosures and Servers	<ul style="list-style-type: none"> Summarize how to perform Hewlett Packard Enterprise (HPE) OneView configuration tasks and define key configuration elements including: <ul style="list-style-type: none"> Enclosure groups Logical interconnect groups Logical interconnects Uplink sets Server hardware types Server hardware Storage systems SAN managers 	<ul style="list-style-type: none"> Outline the key features of the HPE OneView Connectivity Resource Manager Explain how to add enclosures to HPE OneView Describe the purpose of the HPE OneView Storage Resource Manager List the steps involved in processing and handling hardware components Explain how HPE OneView performs firmware management Describe the primary functions of the HPE OneView Physical Server Resource Manager
Creating and Managing Server Profiles	<ul style="list-style-type: none"> Outline the basic features and functions of server profiles Describe how to manage server profile addresses and identifiers Summarize the process of creating server profile connections, including advanced attributes 	<ul style="list-style-type: none"> Explain how to manage: <ul style="list-style-type: none"> Server profile SAN storage Server profile boot order and BIOS settings Describe Hewlett Packard Enterprise (HPE) OneView integration for virtualization management, including VMware vCenter and Microsoft System Center
Resource Health Monitoring	<ul style="list-style-type: none"> Describe the key resource health monitoring operations of HPE OneView, including: <ul style="list-style-type: none"> Alert-based operations 	<ul style="list-style-type: none"> Status polling and collection operations Alert email notifications and predefined reports
Environmental Resource Manager	<ul style="list-style-type: none"> Explain how Hewlett Packard Enterprise (HPE) solutions address data center problems Describe the architecture of the HPE OneView Environmental Resource Manager Explain how HPE OneView collects and displays utilization data 	<ul style="list-style-type: none"> Outline the process of HPE Intelligent Power Distribution Unit (iPDU) discovery Use HPE OneView to configure 3D data center topology information

Course data sheet

HPE OneView Appliance Security

- Describe Hewlett Packard Enterprise (HPE) OneView security features and operations
- Explain design features that provide security
- Implement external authentication of HPE OneView management users
- Manage the HPE OneView web server certificate

REST API

- Explain the origins and use benefits of the Representational State Transfer (REST) application programming interface (API)
 - Describe the resource-oriented architecture of Hewlett Packard Enterprise (HPE) OneView
 - Perform the basic operations of the four REST API calls
 - Explain how to use the HPE OneView PowerShell Library
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