HPE Digital Learner
Composable Content Pack

This content pack provides information and skills related to HPE Synergy solution implementation, configuration, administration, and management. The course starts with an overview of the infrastructure, compute, storage, and fabric options to help those with the specifics of a composable solution. The curriculum provides a baseline understanding for system administrators to set up and configure the infrastructure before introducing the HPE OneView appliance. The later courses in the content pack provide the skills to manage the solution through common tasks.

NOTE: This content pack has two components:
1. Web-based training available online
2. Hands-on practice, available through HPE Virtual Labs (HPE vLabs)

You have a year of access to the web-based portion of the training so that you may repeat sections for reinforcement. Take this training at your own pace and on your own schedule. You have 30 sequential days of access to the HPE Virtual Labs to run the labs associated with this course in a dedicated environment.

Audience
This course is for system administrators, engineers and consultants who install, manage and monitor HPE Synergy solutions. It is also relevant to HPE ProLiant and HPE BladeSystem customers who plan a move to composable infrastructure.

Prerequisites:
HPE recommends that students starting this content pack have basic server, storage, and networking industry experience.
Content Pack objectives

Upon completion of this content pack, you should be able to:

- Explain the concept of composable infrastructure, including its technologies, components, and benefits
- Explore the functional architecture of the HPE Synergy environment, including management infrastructure (HPE Synergy Composer, Frame Link Modules), compute modules, interconnect modules, local storage systems, power, and cooling
- Identify, correctly position, and cable the management and networking modules in a HPE Synergy frame
- Understand how to access the HPE OneView management appliance to initiate hardware discovery, then perform initial tasks to set-up hardware including the HPE Synergy Composer
- Navigate the HPE OneView dashboard, locate current information on firmware, server inventory and generate basic reports; perform firmware updates using the integrate Smart Update Tool
- Install the HPE OneView appliance to manage and maintain firmware, implement compute and networking configurations, monitor the data center, and respond to issues.
Detailed Content Pack outline

HPE Synergy Solution Overview
This course presents an introduction to the HPE Synergy solution and prepares the learner to take more advanced training for HPE Synergy.

Course outline:

Module 1: Synergy Solution Overview
Module 2: HPE Synergy Architecture and Configuration
Module 3: HPE Synergy Management Appliances
Module 4: Frame Management Cabling
Module 5: Accessing HPE Synergy Composer

HPE OneView Overview and Configuration for HPE Synergy
This course covers the features and functions of HPE OneView in relation to the configuration and management of HPE Synergy solutions. Students learn to navigate the HPE OneView dashboard and use it to locate current information on firmware versions, server inventory, and to generate basic reports. Students then perform initial tasks to set up hardware and configure HPE Synergy Composer.

Course outline:

Module 1: HPE Synergy Overview
Module 2: HPE OneView Dashboard
Module 3: HPE OneView Reporting
Module 4: HPE OneView Resource Model
Module 5: Getting Started with HPE OneView
Module 6: Unified API – Automating HPE Synergy Frame Logical Configuration with PowerShell
Module 7: Firmware and Driver Updates with Smart Update Tools

HPE Synergy Administration
This course provides instruction on HPE Synergy configuration, administration, management, troubleshooting and maintenance. It covers day-to-day administration skills on HPE Synergy Composer, storage module, compute module, frame management, fabric connectivity, multi-frame domains and server profile management. Students also learn about HPE Global Dashboard features.

Course outline:

Module 1: HPE Synergy Overview
Module 2: HPE Synergy Cabling
Module 3: HPE Synergy Networking
Module 4: HPE Synergy Storage
Module 5: HPE Synergy Composability
Module 6: HPE Synergy Firmware
Module 7: HPE Synergy Scaling
Module 8: HPE Synergy Maintenance and Growth
Lab outline:

Lab 1: Validating HPE Synergy Initial Configuration
Lab 2: Exploring the HPE Synergy Environment
Lab 3: Configuring Connectivity
Lab 4: Configuring Storage
Lab 5: Creating LIGs, EG, LE
Lab 6: Using Server Profiles

Using REST API with HPE OneView

In this course, you learn to work with the HPE OneView REST API. You create/edit/remove resources with the REST API using different access methods (Postman, cURL, and PowerShell). You see demonstrations of each topic and then you have the chance to practice what you’ve learned within the virtual lab environment.

Course outline:

Introduction to REST API
REST API and HPE OneView
REST API Tools
Configuring HPE OneView using REST API

Lab outline:

Lab 0: Accessing HPE OneView Lab
Lab 1: Exploring REST API for HPE OneView
Lab 2: REST API Tools—Postman, cURL and PowerShell
Lab 3: Creating HPE OneView Resources Using REST API

Learn more at
www.hpe.com/ww/digitallearner
www.hpe.com/ww/digitallearner-contentpack

Interested in purchase of this Content Pack as a stand-alone WBT? Contact Us for information on purchasing this Content Pack for individual use.