Hewlett Packard Enterprise

HPE Digital Learner Building HPE Hybrid IT Solutions Training, Rev.19.41 (01127445) Content Pack CP029

HPE course number	CP029
Content Pack length	40 Hours
Content Pack Category	Self-paced
Learn more	**View now**

Why HPE Education Services?

- IDC MarketScape leader 5 years running for IT education and training*
- Recognized by IDC for leading with global coverage, unmatched technical expertise, and targeted education consulting services*
- Key partnerships with industry leaders OpenStack®, VMware®, Linux®, Microsoft®, ITIL, PMI, CSA, and SUSE
- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, October 2017

This course exposes participants to the fundamental principles required to architect data center solutions. It focuses on HPE networking, server, and storage solutions for SMB customers. Through the use of customer scenarios and emulated labs, participants learn how to set up and configure a small data center to meet customer requirements.

This course covers the same contents found in H6LJ6S: Building HPE Hybrid IT Solutions, Rev. 19.41 (01127445)

Audience

Typical candidates for this course are IT, facilities or data center professionals who work in and around the data center, and who have the responsibility to achieve and improve the availability and manageability of the data center. Typical candidate job roles include, but are not limited to, pre-sales architects, presales engineers, enterprise architects, solutions engineers, and technology architects.

Prerequisites

Suggested: Introduction to HPE SMB Hybrid IT Architectures, Rev. 19.41 (01127454).

Content Pack objectives

After successfully complete this course, students should be able to:

- IDescribe, differentiate, and apply industry-standard, foundational SMB architectures, and technologies
- Differentiate the functions, features, and capabilities of HPE product and solution-specific components and offerings
- Recommend and position HPE SMB products, solutions, and appropriate services for customer use cases (positioning/use cases)
- Evaluate customer environments, and plan and design solutions using the HPE SMB portfolio to meet customer business requirements
- Validate, install, configure, and upgrade HPE SMB solutions and their components
- Troubleshoot and diagnose issues with HPE SMB solution components
- Manage, monitor, administer, and operate HPE SMB solution components

Certifications and related examinations

- HPE ATP - Hybrid IT Solutions V2
- HPE ATP - Hybrid IT Solutions V2 - upgrade from HPE ATP - Hybrid IT Solutions V1

Detailed course outline

Module 1: Introduction to a Hybrid World	• SMB Hybrid IT for Dummies • HPE Small Business Solutions	• HPE overview • HPE Hybrid IT
Module 2: Recommending HPE Compute Solutions for SMB Customers	• HPE has it all • Why a single partner for compute, storage, and networking? • Assessing customer requirements • Recommending HPE compute solutions for SMB customers • Components of a compute solution	• Networking features of HPE ProLiant servers • Alternative products • Configuring a single server solution • Selecting HPE Support Services • Managing a single server solution
Module 3: Recommending HPE Networking Solutions for SMB Customers	• Recommending HPE networking solutions for an SMB • Networking architectures • ArubaOS-Switch platform	• ArubaOS-CX platform • HPE FlexFabric • HPE Networking management
Module 4: Recommending HPE NAS Solutions for SMB Customers	• Recommending HPE NAS solutions for SMB customers • Network-attached storage	• HPE StoreEasy features and management • Storage sharing technologies • Sizing NAS products
Module 5: Recommending HPE Storage Solutions for SMB Customers	• Recommending HPE Storage solutions for SMB • Use cases for a SAN • Software-defined storage • HPE MSA Storage • HPE Nimble Storage • HPE 3PAR StoreServ	• HPE Primera 600 Series • Backup and restore strategy • HPE StoreOnce backup systems • Configuration tools • Management tools
Module 6: Recommending HPE Management and Support Solutions for SMB Customers	• Recommending HPE management and support solutions for SMB customers • Remote IT support • HPE OneView • HPE OneView partner integrations	• HPE OneSphere • HPE InfoSight: AI for hybrid cloud • HPE RESTful API and PowerShell cmdlets

Detailed lab outline

Lab 1: Selecting an HPE Tower Server	• Exercise 1: Using HPE QuickSpecs	• Exercise 2: Recommending an HPE tower server
Lab 2: Selecting an HPE Rack-Based Server	• Exercise 1: Using HPE One Config Simple	• Exercise 2: Recommending an HPE rack server
Lab 3: Configuring an HPE ProLiant Server	• Exercise 1: Configuring iLO • Exercise 2: Configuring the server using UEFI	• Exercise 3: Creating a simple local RAID volume
Lab 4: Selecting an HPE Switch	• Exercise 1: Using the HPE Switch Selector • Exercise 2: Using the HPE Networking Online Configurator	• Exercise 3: Recommending an HPE switch
Lab 4: Selecting an HPE Switch	• Exercise 1: Connecting to the switches • Exercise 2: Configuring HPE Intelligent Resilient Framework	• Exercise 3: Configuring VLANs, IP addresses, and remote access • Exercise 4: Configuring the remaining ports, VLAN, and IP addresses
Lab 6: Deploying an HPE ProLiant Server	• Exercise 1: Deploying an operating system with Intelligent Provisioning	
Lab 7: Selecting an HPE NAS Solution	• Exercise 1: Using the HPE Storage Sizing Tool	• Exercise 2: Recommending an HPE NAS solution
Lab 8: Selecting an HPE Disk Enclosure	• Exercise 1: Recommending an HPE Disk Enclosure	
Lab 9: Selecting an HPE Nimble Storage Array	• Exercise 1: Using the HPE One Config Advanced configuration tool	• Exercise 2: Recommending an HPE Nimble Storage array
Lab 10: Configuring HPE Storage	• Exercise 1: Configuring SAN Zoning	• Exercise 2: Configuring HPE Nimble Storage
Lab 11: Monitoring HPE Devices	• Exercise 1: Monitoring HPE Nimble Storage	• Exercise 2: Monitoring HPE Networking

Learn more at

www.hpe.com/ww/digitallearner
www.hpe.com/ww/digitallearner-contentpack

Follow us:

CP044, May 2020

Hewlett Packard Enterprise