Implementing HPE Composable Infrastructure Solutions, Rev. 19.21

Course description

The Integrating HPE Composable Infrastructure 19.21 course is five days in duration and includes lectures and hands-on activities in the ratio of approximately 25/75 (lecture/activities). Hands-on include working with HPE Synergy hardware, HPE 3PAR storage, and OneView DCS 4.2.

The purpose of the course is to teach the candidate how to:

- Describe the mainstream HPE enterprise compute product portfolio.
- Review and validate design for compute solution implementation.
- Install, configure, and set up HPE compute solutions.
- Troubleshoot HPE compute solutions.
- Demonstrate how monitor, maintain, and manage solutions.

Course ID	01122329
Course format, Typical duration	**Select one:**VILT – Virtual Instructor Led, 5 days ILT – Instructor Led, 5 days
Skill level	Intermediate (INT)
Delivery languages	English
Lab required	No

Register for this course.
Find this course offering in the Training calendar. Click "Register" to take the course in The Learning Center. Login and Password required.

Ideal candidate for this course

The ideal candidate typically has a minimum of three years of design and/or operational experience or equivalent in at least one of the core HPE areas (Server, Storage, and Networking) and six months integration and/or implementation experience or equivalent in other HPE solutions and technologies.

Suggested prerequisites

01120590: Building HPE Hybrid IT Solutions, Rev. 18.41; 01120612: Introduction to HPE SMB Hybrid IT Architectures, Rev. 18.41; & 01113500: Using HPE OneView, Rev. 18.11

Topics

- **Module 1: HPE Server Portfolio**
  After completing this module, you should be able to describe mainstream HPE compute products, including:
  - HPE ProLiant ML/DL systems
  - HPE Superdome Flex
  - HPE SimpliVity
  - HPE Apollo
  - HPE Synergy

  This module contains the following labs:
  - Lab 1: Exploring Synergy Composable Infrastructure (real hardware).
  - Lab 2: Using iLO Management Processor (real hardware).
  - Lab 3: Installing an Operating System using HPE Intelligent Provisioning (real hardware).

- **Module 2: Installing and Configuring HPE Synergy**
  After completing this module, you should be able to:
  - Describe the process of preparing HPE Synergy for configuration.
  - Explain the HPE Synergy configuration process.
  - Identify and explain key HPE Virtual Connect technologies.

  This module contains the following labs:
  - Lab 4: Configuring HPE Synergy Platform (DC simulator).

- **Module 3: Storage Solutions for HPE Servers**
  After completing this module, you should be able to:
  - Describe the components and configuration process of D3940.

・Discuss the concepts and configuration process of HPE 3PAR StoreServ.
・Explain the basics of a Nimble arrays and integration with HPE OneView.
・Describe volume management using HPE Composer.
This module contains the following labs:
・Lab 5: Configuring HPE StoreServ using SSMC and HPE OneView.

- **Module 4: Server Profile Management**
  After completing this module, you should be able to:
  ・Describe the server profile template and the server profile concept.
  ・Explain the process of creating a server profile template.
  ・Discuss profile management operations.
  This module contains the following labs:
  ・Lab 6: Server profile management (real hardware).

- **Module 5: HPE Synergy Image Streamer**
  After completing this module, you should be able to:
  ・Describe HPE Image Streamer's features.
  ・Explain the configuration process of HPE Image Streamer.
  ・Use the HPE Image Streamer interface.
  This module contains the following labs:
  ・Lab 7: Using Image Streamer (real hardware).

- **Module 6: Advanced management tools for the HPE Synergy platform**
  After completing this module, you should be able to:
  ・Explain basic virtualization concepts.
  ・Identify vCenter Server deployment and configuration steps.
  ・Describe the datastore concept.
  ・Discuss how to create a VMware Cluster.
  This module contains the following labs:
  ・Lab 8: Deploying and configuring virtualization components (real hardware)
  ・Lab 9: Managing and Troubleshooting the Infrastructure working with the HPE OneView for vCenter Server and Hypervisor Profiles
  ・Lab 10: Working with the HPE Global Dashboard (real hardware)

- **Module 7: Managing and Troubleshooting the Infrastructure**
  After completing this module, you should be able to describe features of the:
  ・HPE OneView for vCenter Server
  ・HPE Global Dashboard
  ・HPE iLO Amplifier Pack
  This module contains the following labs:
  - Lab 11: Managing the HPE Synergy Cycle
  - Lab 12: Managing HPE Synergy Resources using the API

Objectives

After you successfully complete this course, expect to be able to:
・Describe the mainstream HPE enterprise compute product portfolio.
・Review and validate design for compute solution implementation.
・Install, configure, and set up HPE compute solutions.
・Troubleshoot HPE compute solutions.
・Demonstrate how monitor, maintain, and manage solutions.

How to register

Click on this link to register for this course: https://certification-learning.hpe.com/tr/TrainingCalendar?excludePartners=false&CourseId=01122329

Policies, fees and cancellations

Course fees may vary. Fees are established and collected by the training center that delivers the course. Cancellation fees may apply. Contact your HPE Authorized Training Partner for their respective policies.

For more information

Contact our program

Information is as of March 2020, Revision 2