



Administering HPE Converged Infrastructure Solutions HK935S (00685585)

HPE course number	HK935S
Course length	3 days
Delivery modes	ILT, VILT
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This course is designed to teach the skills required to administer solutions based on the HPE Converged Infrastructure, including management of server, storage, and network resource pools, virtual machines, and software deployments, as well as using the appropriate tools to monitor the health and utilization of the environment. It helps the HPE employee, partner, or customer prepare for the associated proctored exam (HPO-D24). Successfully passing this exam is required to achieve the HPE ATP—Converged Infrastructure Administrator V1 certification.

Why HPE Education Services?

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Audience

This course is designed for individuals who need to acquire skills required to administer solutions based on HPE Converged Infrastructure and who are preparing to take the HPO-D24 exam.

Certifications and related examinations

- HPE ATP—Converged Infrastructure Administrator V1
- HPO-D24—Administering HPE Converged Infrastructure Solutions

Prerequisites

It is strongly recommended that the candidate pursuing the HPE ATP—Converged Infrastructure Administrator V1 certification has the following knowledge and experience:

- Managing HPE BladeSystem environments, including Onboard Administrator and Virtual Connect

- Using HPE Insight Control to manage HPE servers

Course objectives

At the conclusion of this course, you should be able to:

- Explain the traditional IT infrastructure challenges and how HPE Converged Infrastructure solves these challenges
- Present the HPE Converged Infrastructure within the context of use cases and give examples of HPE technologies, products, and solutions
- List and describe the HPE management software used to administer and manage the HPE Converged Infrastructure
- Present the tools, approaches, and tasks for maintaining the HPE Converged Infrastructure
- Demonstrate your ability to administer and operate the HPE Converged Infrastructure
- Optimize and troubleshoot key aspects of the environment

Detailed course outline

Module 0: Course Overview

Module 1: HPE Converged Infrastructure Fundamentals

- Explain the traditional IT infrastructure challenges and relate them to a journey to a converged infrastructure
- Define the HPE Converged Infrastructure and explain its architecture, attributes, and components
- Present HPE technologies, products, and solutions within a context of HPE Converged Infrastructure use cases
- Explain the HPE services applicable to the Converged Infrastructure
- List additional resources

Module 2: A Closer Look at HPE Management Software

- Describe the typical IT service life cycle and list its steps
- Explain the purpose of the HPE Insight Management suite
- Discuss the tools and products that are appropriate for each step of the IT service lifecycle

Module 3: HPE Converged Infrastructure Maintenance

- Identify the HPE tools you can use to manage an HPE Converged Infrastructure
- Explain how to use HPE Insight Control integrations to manage an HPE Converged Infrastructure
- Explain the HPE firmware strategy using HPE SUM
- Describe virtualization management software solutions
- Explain how to use HPE PCM software to maintain networks and network assets

Module 4: HPE Converged Infrastructure Administration and Operation

- Explain how to use HPE SIM and the Managed System Setup Wizard for single-server administration
- Explain how to use Insight Control for multiple server administration
- Explain how to launch and the power management features of Insight Control, including Capacity Advisor
- Explain how to use the infrastructure orchestration administrator console interface
- Describe how to configure the CMS for high availability

Module 5: HPE Converged Infrastructure Optimization

- Create and maintain a configuration and performance baseline and appropriate documentation
- Explain how to use Insight Control performance management
- Manage performance of HPE storage systems in a Converged Infrastructure

Module 6: HPE Converged Infrastructure Troubleshooting

- Troubleshoot an HPE Converged Infrastructure environment
 - Validate communication with managed nodes
 - Troubleshoot an Insight Control infrastructure orchestration solution
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Next steps

- Implementing the Matrix Operating Environment - Rev. 12.31 HK251S (00486464)

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