



HPE Converged Infrastructure Solutions Software HK987S (00294445)

HPE course number	HK987S
Course length	4 days
Delivery mode	ILT
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HPE Converged Infrastructure Solutions Software is a comprehensive course that delivers the technical information necessary to successfully implement and integrate Insight Orchestration solution and other Insight Software components.

Why HPE Education Services?

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Audience

- HPE partner, employee or customer technical professionals who design, implement or support solutions based on BladeSystem Matrix

Certifications and related examinations

- HPE AIS—Converged Infrastructure Integration (2011)
- HPO-D09—Implementing HPE Converged Infrastructure Software Solutions

Course objectives

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

- Identify current infrastructure management challenges of HPE customers
- Define the HPE Converged Infrastructure concept
- Identify HPE Converged Infrastructure components
- Describe HPE Matrix Operating Environment (Matrix OE—Insight Dynamics) infrastructure orchestration

- Explain how orchestration helps to automate the deployment of infrastructure services
- Configure HPE Matrix Operating Environment (OE) infrastructure orchestration
- Configure users
- Configure infrastructure orchestration resources
- Configure infrastructure orchestration provisioning
- Describe the Operations Orchestration Studio
- Describe the IO Designer tool
- List the three IO user interfaces and their uses
- Describe the user request lifecycle
- Identify IO user tasks
- Explain how to create and manage workflows
- Describe the layers of troubleshooting for HPE Insight Dynamics infrastructure orchestration
- Show the kinds of information you can obtain from the Requests tab in the IO Administrative Console
- Identify the tabs in the self-service portal that provide diagnostic information

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

- Identify the IO operational properties contained in the hpio.properties configuration file
- Correct a failed IO server deployment
- Describe solutions for common issues
- Verify the configuration of the Central Management Server (CMS)
- Use the sbapi utility to help troubleshoot IO
- Use the lsmutil utility to help troubleshoot IO

Detailed course outline

Module 1: HPE Converged Infrastructure Components

- Identify current infrastructure management challenges of HPE customers
 - Define the HPE Converged Infrastructure concept
 - Identify HPE Converged Infrastructure components
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Module 2: HPE Matrix OE

- Describe HPE Matrix Operating Environment (Matrix OE—Insight Dynamics) infrastructure orchestration
 - Explain how infrastructure orchestration helps to automate the deployment of infrastructure services
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Module 3: IO Configuration

- Configure HPE Matrix OE infrastructure orchestration
 - Configure users
 - Configure infrastructure orchestration resources
 - Configure infrastructure orchestration provisioning
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Module 4: Using IO

- Describe the Operations Orchestration Studio
 - Describe the IO Designer tool
 - List the three IO user interfaces and their uses
 - Describe the user request lifecycle
 - Identify IO user tasks
 - Explain how to create and manage workflows
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Module 5: IO—Troubleshooting

- Describe the layers of troubleshooting for HPE Insight Dynamics infrastructure orchestration
 - Show the kinds of information you can obtain from the Requests tab in the IO Administrative Console
 - Identify the tabs in the self-service portal that provide diagnostic information
 - Identify the IO operational properties contained in the hpio.properties configuration file
 - Correct a failed IO server deployment
 - Describe solutions for common issues
 - Verify the configuration of the CMS
 - Use the sbapi utility to help troubleshoot IO
 - Use the lsmutil utility to help troubleshoot IO
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Next steps

- Implementing HPE BladeSystem Solutions —Rev. 11.41 HH707S (00378708) and Deploying and Managing HPE Servers with Insight Control 6.x and HPE SIM 6.x—v11.11 HK997S (00298947)

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