



Deploying and Managing HPE Servers with Insight Control 6.x and HPE SIM 6.x HK997S (00298947)

HPE course number HK997S

Course length 5 days

Delivery mode ILT

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Why HPE Education Services?

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This course covers HPE Insight Control software 6.x. You will learn how to successfully deploy and maintain HPE ProLiant servers using this software product.

Audience

- HPE Authorized Reseller Customer Service representative
- HPE Authorized Reseller Systems Engineer
- HPE Solution Architect
- HPE Technical Client Consultant

Prerequisites

Recommended prerequisite certifications:

- AIS—HPE BladeSystem Solutions (2010)

OR

- AIS—HPE ProLiant ML/DL/SL Servers (2010)

Certifications and related examinations

- This is an elective for ASE—HPE BladeSystem Solutions (2010) or ASE—HPE ProLiant ML/DL/SL Servers (2010)
- HPO-S30—Design and Implementation of HPE SIM and HPE Insight

Course objectives

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

- Describe the benefits of the HPE Insight Rapid Deployment software 6.0.0
- Name the components of the HPE Insight Rapid Deployment software 6.0.0
- Describe the licensing and update options
- Explain how the HPE Insight Rapid Deployment software 6.0.0 and HPE SIM provide a complete deployment and change management solution
- Explain how the HPE Insight Rapid Deployment software 6.0.0 supports the HPE BladeSystem 2 solutions
- Explain the relationship between the HPE Insight Rapid Deployment software 6.0.0 and Insight Control Management suites
- Name the other HPE server deployment tools and compare them with the HPE Insight Rapid Deployment software 6.0.0
- Describe Preboot Execution Environment (PXE) technology and its key benefits
- Explain how to configure HPE servers for PXE deployment
- Describe the configuration steps necessary to deploy an operating system to a server

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

- Explain how to install Linux on a target server using a scripted installation
- Explain how HPE Insight Control integrates with HPE Systems Insight Manager (HPE SIM)
- Describe the purpose of the WBEM health polling plug-in
- Describe the function of each of the HPE analysis tools
- List the requirements for installing the software repository
- Describe the features and benefits of performance management
- Describe the stand-alone tools available from HPE for system management

Detailed course outline

Module 1: Insight Control Overview

- Explain how HPE Insight Control integrates with HPE SIM
- Identify the features of HPE SIM 6.0
- List the components and applications that are required to manage an HPE SIM system
- Identify availability of HPE SIM software
- Describe the internal and external resources for HPE SIM
- Describe HPE SIM warranty support for Windows®, Linux, and HP-UX

Module 2: Systems Management Overview

- Define system management
- Describe the stand-alone tools available from HPE for system management

Module 3: Typical Installation and Set Up

- Explain how to install and uninstall HPE SIM
- Set up and configure HPE SIM

Module 4: Using Tasks, Collections, Tools, and Events

- Explain how tasks can be used to manage a remote system
- Understand how collections can be used to filter and organize systems
- Describe how tools are created and launched
- Identify how events are generated and managed

Module 5: Database, MIBs, and HPE Analysis Tools

- List the HPE SIM database management tasks
- Define the capabilities of the System Type Manager
- Describe the components and use of the MIB importing and compiling tools in HPE SIM
- Describe the purpose of the WBEM health polling plug-in
- Describe the function of each of the HPE analysis tools
- Describe the integration of the HPE analysis tools with HPE SIM

Module 6: Reporting and Audit Logs

- Describe the process for accessing reports
- Describe processes for managing reports
- Describe the audit logging feature
- Access the audit log
- Manage the audit log
- List support resources

Module 7: HPE BladeSystem Integrated Manager and Version Control

- Describe the features and benefits of HPE BladeSystem Integrated Manager
- Describe changes and what is new in HPE BladeSystem Integrated Manager
- Explain how to use BladeSystem Integrated Manager
- Describe the HPE SIM version control architecture
- List the requirements for installing the software repository
- Configure the software repository
- Describe the tasks used to update a managed system

Module 8: HPE Insight Control Performance and Power Management

- Describe the features and benefits of performance management
- Describe the performance management process
- Describe changes in performance management
- List performance management requirements
- Explain how to use performance management
- Troubleshoot power management

Module 9: HPE Insight Rapid Deployment Overview

- Describe the benefits of the HPE Insight Rapid Deployment software 6.0.0
 - Name the components of the HPE Insight Rapid Deployment software 6.0.0
 - Describe the licensing and update options
 - Explain how the HPE Insight Rapid Deployment software 6.0.0 and HPE SIM provide a complete deployment and change management solution
 - Explain how the HPE Insight Rapid Deployment software 6.0.0 supports the HPE BladeSystem solutions
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Course data sheet

Module 10: PXE Technology	<ul style="list-style-type: none">• Describe PXE technology and its key benefits• Explain how to configure HPE servers for PXE deployment• Install an automation environment• Name the alternatives to PXE and how to use them
Module 11: Installing and Configuring HPE Insight Rapid Deployment Software	<ul style="list-style-type: none">• Describe the hardware and software requirements for installing HPE Insight Rapid Deployment software• Explain the process of installing Insight Rapid Deployment software and upgrading from previous versions• Describe the configuration steps necessary to deploy an operating system to a server
Module 12: Using the Deployment Console	<ul style="list-style-type: none">• Describe the features of the HPE Insight Rapid Deployment software Deployment Console• Name the tools available from the Deployment Console Tools menu• List the remote operations available from the Deployment Console Operations menu
Module 13: Scripted Installation and Imaging Jobs	<ul style="list-style-type: none">• Define HPE Insight Rapid Deployment software jobs and tasks and explain how they are used• Describe how Insight Rapid Deployment software uses scripting in server deployment• Describe how Insight Rapid Deployment software uses imaging in server deployment• Compare scripting and imaging deployment methods• Explain how to install Linux on a target server using a scripted installation
Module 14: Insight Rapid Deployment Software Agents	<ul style="list-style-type: none">• Identify the HPE Insight Rapid Deployment software 6.0.0 Deployment Agents for Windows and Linux• Explain how to install the agents• Describe the tasks the agents perform

Next steps

- Integrating & Managing HPE BladeSystem Solutions—v10.31 HH708 (00192618)

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