



HPE Insight Control: Management Master HK757S

HPE course number	HK757S
Course length	2 days
Delivery mode	ILT
View schedule, local pricing, and register	View now
View related courses	View now

This 2-day course equips students with the skills and knowledge to configure and use several advanced features of HPE Insight Control integrated management solution for physical and virtual servers. Students will spend the time learning about, installing, and configuring HPE Insight Control to proactively manage system health through remote management tools. The course will focus on the integration of various options within HPE Insight Control: Power management, performance monitor, virtual machine management, and server migration.

Why HPE Education Services?

- IDC MarketScape leader 4 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 (ISC)²
- 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

Audience

Administrators, engineers and consultants who will:

- Plan and manage the deployment of the HPE Insight Control suite components
- Monitor and Manage network systems with HPE Insight Control

- Microsoft Windows® 2003 Standard, 2003 Enterprise Edition, 2008 R2 Standard Edition, 2008 R2 Enterprise Edition or Windows 7
- RedHat Enterprise Linux AS or RedHat Enterprise Linux ES
- SuSE Linux Enterprise Server

Prerequisites

HPE recommends that students have attained the following credentials or levels of experience before taking this course:

- Introduction to HPE Insight Control WBT (HK317AAE)
- Recommended completion of Introduction to HPE ProLiant Servers (HE64-3S)
- HPE Insight Control: Management Fundamentals (HK756S)

In addition, HPE recommends that students are familiar with general networking terminology and basic network security concepts and have an understanding of at least one of the following operating systems:

Course objectives

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

- List the HPE Insight Management 7.3 component updates
- Describe the features and key concepts of HPE Insight Control power management
- Describe and configure management and monitoring capabilities for Insight Control functions and list the steps involved in configuring them:
 - Power management
 - Performance management
 - Virtual machine management
 - Server migration

Benefits to you

- Gain the knowledge to successfully plan and deploy an enterprise-level HPE Insight Control configuration
- Use the hands-on activities to become familiar with tools and interfaces along with procedures for efficient ongoing management of the implementation

Detailed course outline

Module 1: Tour the product

- List the Insight Management 7.3 component updates
 - Identify the new features that are included with Insight Control 7.3
 - Describe how features of the product can be used to manage systems
 - Explain how HPE SIM can be used to manage a system
 - Describe the features and functions of OneView
-

Lab 1: Configuring the environment

- Prepare the VMware environment
 - Access HPE Systems Insight Manager (HPE SIM)
 - Run the First Time Wizard
 - Create custom discovery ranges
 - Run automatic or manual discovery tasks
 - Configure Secure Shell (SSH) on a target server
 - Use the Managed System Setup Wizard
-

Module 2: HPE insight control power management

- Describe the features and key concepts of HPE Insight Control power management
 - Power Regulator for ProLiant
 - Dynamic Power Capping
 - Data Center Power Control
 - Intelligent Power Discovery
 - Power Summary Meter
 - Identify Insight Control power management options
 - List the tasks to configure Insight Control power management
-

Lab 2: Using HPE insight control power management

- Describe the capabilities of HPE integrated Lights-Out (iLO) power management 7.3
 - Use HPE Insight Control power management
 - Use group power management
-

Module 3: HPE insight control performance management

- Describe the features and key concepts of HPE Insight Control power management
 - Power Regulator for ProLiant
 - Dynamic Power Capping
 - Data Center Power Control
 - Intelligent Power Discovery
 - Power Summary Meter
 - Identify Insight Control power management options
 - List the tasks to configure Insight Control power management
-

Lab 3: HPE insight control performance management

- Configure HPE Insight Control performance management
 - Monitor licensed servers with performance management
 - Perform an offline analysis
 - Perform an online analysis
 - Run a performance management report
-

Course data sheet

Module 4: HPE insight control virtual machine management

- Identify the new features of HPE Insight Control virtual machine management (VMM)
- Explain general VMM concepts
- Describe HPE SIM integration
- Install VMM
- Discuss the licensing options of VMM
- Use VMM
- Discuss VMM internal operations
- Troubleshoot VMM

Module 5: HPE insight control server migration

- Describe the features and benefits of HPE Insight Control server migration
- Install Insight Control server migration
- Identify Insight Control server migration pre-migration tasks
- Identify Insight Control server migration post-migration tasks
- Troubleshoot Insight Control server migration
- Describe available service and support options

Lab 4: HPE Insight Control virtual machine management and server migration

- Monitor a virtual machine (VM)
- Deploy a Microsoft Windows VM from an Open Virtualization Format (OVF) template
- Manage a VM
- Migrate VMs between platforms
 - Install Microsoft Hyper-V Server 2012 R2
 - Perform a virtual-to-virtual (V2V) migration
- Explain the differences between how VMs hosted on VMware® ESX® and Hyper-V are displayed and managed by HPE Insight Control

Appendix A: Introducing ProLiant Generation 8 Servers

Next steps

- Virtualization training
- HPE CloudSystem Matrix Administration (HK920S)

- Authorized VMware Training from HPE-hpe.com/ww/learnvmware

Learn more at
hpe.com/ww/learnproliant

Follow us:



© Copyright 2015–2016 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. The OpenStack Word Mark is either a registered trademark/service mark or trademark/service mark of the OpenStack Foundation, in the United States and other countries and is used with the OpenStack Foundation's permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation or the OpenStack community. Pivotal and Cloud Foundry are trademarks and/or registered trademarks of Pivotal Software, Inc. in the United States and/or other countries. Linux is the registered trademark of Linus Torvalds in the U.S. and other countries. VMware and VMware ESX are registered trademarks or trademarks of VMware, Inc. in the United States and/or other jurisdictions. All other third-party trademark(s) is/are the property of their respective owner(s).