



HP Insight Control: Management Master HK757S

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

HP Insight Control: Management Master

Price USD \$1,600

Links to local schedules, pricing and [US/Canada](#)
[Mexico/Latin America](#)
[Brazil](#)

HP course # HK757S

Category ProLiant

Duration 2 days

Audience

Administrators, engineers and consultants who will:

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

Prerequisites

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

- Introduction to HP Insight Control WBT (HK317AAE)
- Recommended completion of Introduction to HP ProLiant Servers (HE643S)
- HP Insight Control: Management Fundamentals (HK756S)

In addition, HP 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:

- 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

Course objectives

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

- List the HP Insight Management 7.3 component updates
- Describe the features and key concepts of HP 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 HP 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

Next steps

- Virtualization training
- HP CloudSystem Matrix Administration (HK920S)
- Authorized VMware Training from HP

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 HP 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 HP Systems Insight Manager (HP 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: HP Insight Control power management

- Describe the features and key concepts of HP 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 HP Insight Control power management

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

Module 3: HP Insight Control performance management

- Describe the features and key concepts of HP 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: HP Insight Control performance management

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

Module 4: HP Insight Control virtual machine management

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

Module 5: HP Insight Control server migration

- Describe the features and benefits of HP 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: HP 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 HP Insight Control

Appendix A: Introducing ProLiant Generation 8 Servers

Learn more at

hpe.com/us/training/proliant