



Описание курса Course Overview

HP Insight Control 7 – основы управления серверами HP
HP Insight Control: Management Fundamentals (HK756S)

курс предоставляет слушателям знания и практические навыки по установке и настройке интегрированного решения HP Insight Control для управления физическими и виртуальными серверами, по настройке и использованию некоторых отдельных опций в рамках HP Insight Control: управления питанием, мониторинга производительности, управления виртуальными машинами и миграции сервера. Изучаются установка и настройка возможности HP Insight Control для активного управления состоянием системы через средства удаленного администрирования.

Аудитория

Администраторы, инженеры и консультанты, кто будет:

- Планировать и управлять развертыванием компонентов HP Insight Control
- Мониторить и управлять сетевыми системами с помощью HP Insight Control

Предварительная подготовка

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

- Introduction to HP Insight Control WBT (HK317AAE)
- Introduction to HP ProLiant Servers (**HE643S**)

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

- Windows Server 2008, Windows Server 2008 R2 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
- Define systems management and list the tools that HP provides to facilitate systems management functions
- Describe the features and functions of HP Version Control Repository Manager (VCRM) and HP Version Control Agent (VCA)
- Describe how to install and upgrade HP Insight Control 7.3

Course title:	HP Insight Control: Management Fundamentals
HP product number:	HK756S
Category/Subcategory:	ProLiant
Course length:	3 days
Level:	Intermediate
Delivery language:	Русский / English
To order:	Курс можно заказать в режиме онлайн на сайте http://www.hp.ru/education/proliant . Выберите курс, затем нажмите «Посмотреть» и добавьте курс в корзину

- Configure Insight Management by using HP Systems Insight Manager (HP SIM)
- Provide an overview of HP BladeSystem Integrated Manager
- Explain how tasks can be used to manage a remote system
- Explain how collections can be used to filter and organize systems
- Describe how tools are created and launched
- Identify how events are generated and managed
- Describe the process for accessing and managing reports
- Describe the audit logging feature

- Identify the storage management components of HP SIM
- List the HP SIM database management tasks
- Describe the components and use the management information base (MIB) importing and compiling tools in HP SIM
- Explain the purpose of the Web-based Enterprise Management (WBEM) health polling plug-in
- Describe the function of the HP analysis tools
- Describe the basics of troubleshooting Insight Management

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

Why education services from HP?

- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- Streamlined purchase and management of training with HP Care Pack Services for Education
- Top 20 training provider and content development – www.TrainingIndustry.com
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- Unmatched technical expertise and support for HP products and technologies
- Global training with more than 90 training locations worldwide
- More than 30 years of Education Consulting
- Award winning Virtual classrooms

Next steps

- HP Insight Control: Management Master (HK757S)
- Virtualization training
- HP BladeSystem Administration ([HE646S](#))
- HP CloudSystem Matrix: Administration (HK920S)

Detailed course outline

Module 1: Tour the Product

- List the HP Insight Management 7.3 component updates
- Identify the new features that are included with HP Insight Control 7.3
 - o 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 HP OneView

Lab 1: Navigating the Environment

- Navigate the HP Virtual Lab (HPVL) environment
- Perform initial configuration steps

Module 2: Systems Management Review

- Define systems management and list its essential elements
- Describe the tools that HP provides to facilitate systems management functions
 - o iLO
 - o SmartStart
 - o Service Pack for ProLiant
 - o HP SUM
 - o Insight Management Agents
 - o Systems Management Homepage
 - o WBEM
 - o WMI
 - o Version Control

Module 3: Version Control and Software Deployment

- Describe the features and functions of VCRM
- Describe the features and functions of VCA
- List the requirements for installing VCA
- Explain how VCA and VCRM are integrated with:
 - o HP SIM
 - o SMH

Lab 2: Using the Version Control Repository

- Install and populate HP Version Control Repository Manager (VCRM) with Service Pack for ProLiant (SPP)
- Configure the Target Version Control Agent
- Manage the VCRM repository

Module 4: Typical Installation

- List the installation activities
- Locate the steps for installing HP Insight Control on a Central Management Server (CMS)
- Explain when the WMI mapper is needed and how to configure it
- Describe how to upgrade a previous installation of HP Systems Insight Manager
- List the steps to remove an HP SIM installation

Module 5: Setup and Configuration

- Configure Insight Management by using HP Systems Insight Manager (HP SIM)
- Set global protocols to configure default, system-wide protocol settings
- Manage multiple systems and events

Lab 3: Configuring Insight Control

- Access HP Insight Control
- Run the First Time Wizard
- Create Insight Control discovery tasks

- Run discovery from Insight Control
- Navigate Insight Control
- Configure Insight Control system links
- Create HP Systems Insight Manager (HP SIM) users
- Configure automatic discovery settings
- View hardware status polling
- Create toolboxes
- Create authorizations
- Deploy a support pack with a task
- Install Secure Shell (SSH) on the target server
- Use the HP Managed System Setup Wizard

Module 6: HP BladeSystem Integrated Manager

- Provide an overview of HP BladeSystem Integrated Manager
- List the views in BladeSystem Integrated Manager

Lab 4: BladeSystem Integrated Manager

- Explore HP BladeSystem Integrated Manager
- Create a customized BladeSystem collection
- Configure Single-Sign On (SSO) for Onboard administrator (OA) modules

Module 7: Using Tasks, Collections, Tools and Events

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

Lab 5: Using Tasks, Collections, Tools and Events

- Create personal folders and collections
- View HP Insight Control events
- Configure automatic event handling
- Use the Configure or Repair Agents task
- Use the Replicate Agent Settings task

Module 8: Reports

- Describe the process for accessing reports
- Describe processes for managing reports
- Identify enhanced reporting capabilities

Module 9: Audit Log

- Describe the audit logging feature
- Access the audit log
- Manage the audit log
- List support resources

Lab 6: Using Reports and Audit Logs

- Run available reports in HP Insight Control
- Create new reports
- Run enhanced reports

- Compare the snapshots of managed systems
- Run Audit Log reports

Module 10: Use and Managing Storage Components

- Identify the storage management components of HP SIM
- Describe the information that is available using System pages
- Identify the collections that are available for organizing storage
- Understand the reporting functionality of storage components
- Identify the steps necessary for device discovery

Module 11: Database and MIBs

- List the HP SIM database management tasks
- Define the capabilities of the System Type Manager (STM)
- Describe the components and of use the management information bases (MIB) importing and compiling tools in HP SIM

Lab 7: Managing the Database

- Manage system types
- Use the GUI to configure HP Insight Control to identify third-party devices
- Configure Simple Network Management Protocol (SNMP) trap settings
- Use the CLI to upload and register a Management Information Base (MIB)
- Use the MIB updater to import updated MIBs to the central management server (CMS)
- Back up the Microsoft SQL Express database
- Restore a database

Module 12: HP Analysis Tools

- Explain the purpose of the Web-based Enterprise Management (WBEM) health polling plug-in
- Describe the function of each of the HP analysis tools
- Describe the integration of the HP analysis tools with HP SIM

Module 13: Troubleshooting

- Describe the basics of troubleshooting
- Identify solutions for many common HP SIM problems

Appendix A: Introducing ProLiant Gen8 Servers

Lab - Appendix A: Troubleshooting (if time permits)

Troubleshoot:

- The HP SIM CMS
 - o Security popups
 - o Unknown devices
 - o Trap reception
- Use Mail Exchanger (MX) commands to troubleshoot HP SIM and managed systems
- Use the verbose mode to troubleshoot Secure Shell (SSH) connections

Lab - Appendix B: Installing HP Insight Control (if time permits)

- Run the Insight Management Advisor and resolve any issues discovered
- Install HP Insight Control suite
- Configure an HP System Insight Manager (HP SIM) initial setup

Дополнительная информация

Образовательный центр НРЕ:

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Форма обратной связи [здесь](#)

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