



# Using NonStop Essentials with HPE Systems Insight Manager HH675S

<b>HPE course number</b>	HH675S
<b>Course length</b>	3 days
<b>Delivery mode</b>	ILT
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This course prepares you to work with operational tools within the HPE Systems Insight Manager (HPESIM). You will be introduced to NonStop Cluster Essentials, I/O Essentials, Software Essentials and Performance Essentials. Topics include: cluster configuration/management, account creation/management, health summaries, managing tasks, their categories, event viewer, running scripts, installing components, alert notifications, agent configuration, security management, remote workstations, and inventory reports. This 3-day course is 70 percent lecture and 30 percent hands-on labs using HPE servers.

## Why HPE Education Services?

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## Audience

- System operators
- System administrators
- System analysts
- Technical support analysts
- Personnel involved with day-to-day management of HPE Integrity NonStop NS-series servers

## Prerequisites

- HPE NonStop NS-series Server Administration I (U8528S) or HPE NonStop NB-series Server Administration I
- At least six months experience operating Integrity NonStop servers

## Course objective

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

- Install, configure and operate the HPE Systems Insight Manager (HPESIM)

suite and all its component products: NonStop Cluster Essentials NonStop I/O Essentials, NonStop Performance Essentials, Software Essentials

- Describe additional plugins for NonStop systems:
  - Storage Essentials
  - Remote Support Advanced

## Benefits to you

- Learn how to manage the HPE Systems Insight Manager (HPESIM) application so users experience smooth functioning IT operations
- Gain the knowledge needed to use the tools necessary to optimize your HPE NonStop cluster environment and resolve performance issues
- Gain valuable hands-on experience to quickly setup a HPE NonStop cluster environment

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

## Detailed course outline

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### Module 1: Introduction and First Steps with HPESIM

- NonStop Manageability Strategy
- Next Generation Data Center Vision
- Unified Infrastructure Management
- HPE Systems Insight Manager (SIM) components essentials
- HPE Storage Essentials
- HPE Insight Remote Supported Advanced (RSA)
- Recommended configuration
- Architecture
- Discovering NonStop Systems
- First Time Wizard

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### Module 2: NonStop Cluster Essentials

- Installing client and server components
- Configuration Management Application
- Cluster and Server discovery and configuration
- Account management

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### Module 3: Common Operations

- Cluster health
- Cluster management tasks
- Adding new tasks
- Task execution, management, specifications and parameters
- Event Viewer
- Coldloading and booting parameters

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### Module 4: I/O Essentials

- Installing client and server components
- Task list
- Task status and information
- Category management

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### Module 5: Performance Essentials

- Installing client and server components
- Performance monitoring
- Configuration management
- Thresholds and alert notifications
- Agent configuration
- EMS Templates

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### Module 6: NonStop Software Essentials

- Installing client and server components
- Software archive and packages
- Software configuration revisions
- Receiving and installing software
- Building and applying
- Predefined reports

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### Module 7: Security

- Managing User IDs and Groups
  - Toolboxes
  - Creating and assigning authorizations
  - Authorization results
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## Course data sheet

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### Module 8: Additional Operations

- Homepage customization
- Quick Launch feature and menu structure
- Software Versions
- Remote Workstation
- Inventory taking and reports
- Custom reports

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### Module 9: Related Products

- Time Synchronization
- Client and Server Mode Features
- Recommended Configuration
- Configuring NonStop as TimeSync Client
- Time Source
- HPE Insight Remote Support Advanced (RSA)
- Availability Stats and Performance

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### Module 10: Troubleshooting

- Tracing and log files
- Items to check
- Known limitations
- Workarounds

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### Onsite Delivery Equipment Requirements

- One dedicated NonStop NS-Series server with a minimum of:
    - NonStop Kernel operating system, version H06.04 or later and J06.03 or later with corresponding NonStop Essentials host licenses
    - Six disk volumes in addition to the system disk
    - 96 MB memory per CPU
    - Ethernet connectivity
    - TCP/IP software package (SD20)
  - One PC per student and one PC for the instructor with projection capabilities
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