



# HPE Integrity Server Blades Administration HC590S

<b>HPE course number</b>	HC590S
<b>Course length</b>	3 days
<b>Delivery mode</b>	ILT
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In this 3-day course, students will learn how to successfully manage HPE BladeSystem with Integrity servers. This course focuses on system administration components rather than hardware deployment. The course introduces the BladeSystem enclosure, BladeServer models, BladeStorage models, Interconnect modules, HPE Onboard Administrator, HPE Virtual Connect and network storage solutions. It then highlights the HPE BladeSystem c-Class server management using HPE Systems Insight Manager. The course is 60 percent lecture and 40 percent hands-on labs using HPE Integrity systems.

## Why HPE Education Services?

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

## Audience

- Experienced software administrators responsible for managing and monitoring HPE BladeSystem with Integrity c-Class blade servers

## Prerequisites

- HP-UX System and Network Administration I & II (H3064S & H3065S) or
- HP-UX System and Network Administration for Experienced UNIX® System Administrators (H5875S) or
- Equivalent HP-UX administration experience

## Course objective

- Discuss the management tools available for HPE BladeSystem and Integrity server environments
- Discuss the architecture of the HPE BladeSystem components and their benefits

- Use Integrated Lights Out (iLO 2) on Integrity Server Blades
- Use the HPE BladeSystem Onboard Administrator
- Monitor the environment with HPE SIM and SMH

## Benefits to you

- Gain the ability to perform successful site planning and infrastructure design needed to deploy an HPE BladeSystem solution
- Build a simplified server environment utilizing HPE Virtual Connect
- Be able to perform effective local and remote administration using HPE Onboard Administrator
- Gain experience using the management tools for an HPE BladeSystem Integrity server configuration

## Detailed course outline

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### Module 1: Introduction to HPE c-Class BladeSystems

- What is a BladeSystem?
- HPE Integrity Server BladeSystem Block Diagram
- c-Class Components
- Integrity Server Blades
- Storage Blades
- PCIe Expansion Blades
- Interconnects
- Integrated Lights-Out 2

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### Module 2: Using Integrated Lights Out (iLO 2) on Integrity Server Blades

- What is Integrated Lights Out?
- iLO 2 Features for Integrity Blades
- iLO 2 Configuration Requirements
- HPE SIM Management Processor Tools
- HPE SIM iLO 2 access
- Management Tabs
- Management Processor Interface of the iLO 2
- Event Logs
- Console Access from the MP

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### Module 3: HPE BladeSystems Onboard Administrator

- c-Class Enclosure Management from the Onboard Administrator
- Using the Insight Display
- Using the Onboard Administrator
- Rack Overview
- c-Class Server Blade Status
- Configuring the Onboard Administrator and the OA Command Line

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### Module 4: HPE Integrity Extensible Firmware Interface

- Integrity Firmware Architecture Overview
- EFI Menus
- The EFI Shell

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### Module 5: Using Interconnects and Virtual Connect Manager

- What is an Interconnect?
- HPE Virtual Connect Modules
- Virtual Connect Architecture
- Server Blade Failover with Virtual Connect
- Using Virtual Connect Manager

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### Module 6: Using BladeSystem Integrated Manager Plug-In for HPE SIM

- What is HPE Systems Insight Manager?
  - HP-UX HPE SIM Installation & Basic Initialization
  - c-Class Enclosures as the User's Home Page
  - BladeSystem Associations
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## Next steps

- HPE Systems Insight Manager (HB508S)
- HPE Integrity Virtual Machines (HB506S) virtualization

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