



# HP 教育訓練中心課程簡介

HP BladeSystem Administration (HE646S)

介紹如何管理 HP ProLiant BL c-Class 刀鋒型伺服器，並且協助客戶了解 HP ProLiant BL c-Class 刀鋒型伺服器機箱元件及解決方案。內容包括 HP ProLiant BL c-Class 刀鋒型伺服器基礎設施的管理 (Systems Insight Display、HP Onboard Administrator、HP Integrated Lights-Out 管理引擎、Interconnect 互連介面)，電源及散熱和檢視 HP ProLiant BL c-Class 刀鋒型伺服器的組合能力，並透過配置和簡單的網路設定討論 Virtual Connect。本課程亦為 BladeSystem 認證的必備科目。

## 適合對象

- 管理人員
- 工程師與顧問
- 規劃並管理 HP ProLiant BladeSystem c-Class 與 p-Class 刀鋒型伺服器配置的人員

## 先修課程

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

- Introduction to HP ProLiant Servers (HE643S) or similar experience is recommended

## 課程目標

- Explore the functional architecture of the ProLiant BL c-Class environment, including management infrastructure (Insight Display, Onboard Administrator), power and cooling and servers.
- Review the HP c-Class BladeSystem Portfolio and equipment capabilities.
- Introduce Virtual Connect (basic concepts)

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- Gain the ability to perform successful site planning and infrastructure design needed to deploy an HP c-Class BladeSystem solution
- Understand the various management tools and tasks required in the solution
- Be able to perform effective local and remote administration using HP Onboard Administrator

## 為何選擇 HP 教育訓練中心?

- Comprehensive curriculum of job-specific training leading to vendor certification
- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- More than 30 years of Education Consulting

<b>Course title:</b>	HP BladeSystem Administration
<b>HP product number:</b>	HE646S
<b>Category/Subcategory:</b>	ProLiant
<b>Course length:</b>	3 days
<b>Level:</b>	Intermediate
<b>To order:</b>	To review course schedules and to register for a course, visit <a href="http://www.hp.com.tw/education">http://www.hp.com.tw/education</a>

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## Next steps

- HP Virtual Connect (HK758S)
- HP OneView Administration (H4C04S)
- HP Insight Control: Management Fundamentals (HK756S) and HP Insight Control: Management Master (HK757S)

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### **Module 1: HP BladeSystem portfolio introduction (at a high level)**

- Identify resources for information about the current HP c-Class BladeSystem portfolio
- Differentiate the two types of HP BladeSystem enclosures
- Identify HP BladeSystem ProLiant servers
- Identify HP Integrity server blades
- Describe other components in the c-Class portfolio:-HP BladeSystem adapters and mezzanines-HP BladeSystem interconnects-HP BladeSystem c-Class storage options
- Describe c-Class BladeSystem infrastructure management tools and solutions: -HP OneView management appliance-HP Smart Update solution-HP Smart Update Manager-HP Service Pack for ProLiant-HP Insight Control-HP Insight Online with Insight Remote Support
- Define the warranty and support options for HP BladeSystem solutions

### **Module 2: HP BladeSystem c-Class enclosures**

- Describe the HP BladeSystem c-Class enclosures
- Describe the c-Class enclosure structure
- Explain c-Class enclosure signal pathing for mezzanines and interconnects
- Define the enclosure numbering scheme
- Explain how to access the HP Onboard Administrator

### **Module 3: HP BladeSystem c7000 enclosure and infrastructure configuration and management**

- Describe the initial steps involved in setting up the c7000 enclosure using the:-HP Insight Display Initial Setup Wizard-HP Onboard Administrator (OA) First Time Setup Wizard
- Describe HP BladeSystem c-Class high availability features
- Describe the HP BladeSystem c-Class enclosure Onboard Administrator configuration options
- Describe configuration options with Onboard Administrator CLI

### **Module 4: HP BladeSystem power and cooling**

- Explain how to configure power for an HP BladeSystem c-Class enclosure
- Explain how to control/view power consumption in a c-Class enclosure
- Describe HP intelligent location and power discovery services
- Describe the structural cooling components and features

### **Module 5: HP BladeSystem c-Class servers, storage, tape, and expansion blades**

- Identify the distinctions between the HP ProLiant G7 and Gen8 servers
- Describe the technologies on the ProLiant system board:-Mezzanines-USB and SD cards-Embedded LOM and FlexibleLOM

- Identify c-Class Integrity servers and their requirements
- Describe server iLO interaction with the OA
- Manage certain options of your server blades from the OA GUI
- Describe the features and components of:-Storage blades-Tape blades-Expansion blades

### **Module 6: HP BladeSystem c-Class connectivity options**

- Describe the HP BladeSystem c-Class interconnect module architecture
- List the BladeSystem c-Class interconnect modules:-Ethernet-Fibre Channel-InfiniBand-SAS
- Describe the mezzanine cards and slots available in the BladeSystem c-Class server blades
- Describe HP BladeSystem c7000 and c3000 enclosure port mapping

### **Module 7: HP Virtual Connect overview**

- Define the benefits of HP BladeSystem solutions with HP Virtual Connect technology
- Describe Virtual Connect technology and its main components
- Identify ways to use Virtual Connect technology in a data center
- Describe the VC Flex technology
- Describe the VC FlexFabric Fibre Channel storage with 3PAR solution

### **Module 8: HP BladeSystem c-Class firmware**

- Determine what firmware is embedded in various components in the enclosure and how to update it
- Explain how to access the HP SPP download and documentation
- Describe how to update firmware for the HP OA using:-HP SUM-EFM
- Explain how to implement HP BladeSystem c-Class enclosure firmware
- Explain how to update firmware embedded in the OA for a blade enclosure

## 更多訊息

歡迎上網查詢HP教育訓練中心  
所有課程相關訊息及活動請造訪:  
<http://www.hp.com.tw/education>

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