



# HP

## HP ProLiant Gen9 Capabilities and Technologies (HK925S)

本課程主要是綜覽 HP ProLiant Gen9 在系統管理作業中的各項功能、促成科技 (enabling technology)、與變革；介紹從裸機開始部署 ProLiant Gen9 伺服器的主要工作和工具；討論核心系統管理工具及與前幾代 HP ProLiant 之間的差異，以及韌體管理 (firmware management) 和智慧型資源配置 (intelligent provisioning) 等新功能；最後，展示整合式管理主控台 (Integrated Management Console) 的主要新功能是如何精簡伺服器和基礎結構的系統管理作業。

數位教材中除包含實作練習指導準則外，還有綜覽短片，以補充說明可能未在練習中使用設備的技術配置主題。

負責安裝、配置，和支援 HP ProLiant 伺服器的系統管理員、工程師，與顧問。

HP 建議學員在修習本課程之前已取得下列認證或等同經驗：

- 建議學員熟悉 G8 ProLiant 伺服器軟體和工具
- 本課程亦對尚不熟悉 HP ProLiant Gen9 的學員，提供相關的學習機會
- 綜覽 ProLiant Gen9 系統管理作業 administration
- 介紹從裸機開始部署 ProLiant 伺服器所需的主要工作和工具
- 說明 Gen8 或核心系統管理工具和差異
- 檢視 HP BladeSystem 和機箱韌體管理
- 檢視 iLO 的新特性和功能
- 使用 Services Media Library 來辨識新的伺服器工程設計、元件和功能

<b>Course title:</b>	HP ProLiant Gen9 Capabilities and Technologies
<b>HP product number:</b>	HK925S
<b>Category/Subcategory:</b>	ProLiant
<b>Course length:</b>	2 days
<b>Level:</b>	Advanced
<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>

- Course provides participants opportunity for quick integration, implementation and use of HP ProLiant Gen9 in their environment.

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## 課程大綱

### Module 0: Course Overview

#### Module 1: Capabilities and Technologies overview

- Identify server product capabilities and tools to deploy and administer
- Review changes in ProLiant server product line:
  - HP ProLiant Hyperscale
  - HP ProLiant DL e & p series
  - HP ProLiant SL Extreme Scale-Out
  - HP ProLiant BL BladeSystem-Moonshot and Project Odyssey
- Identify supported operating systems and resources
- Engage Services Media Library for online parts and video resources
- Customer use cases to see how HP ProLiant Gen9 servers are implemented

#### Module 2: Intelligent infrastructure and Gen9

- Identify infrastructure management and provisioning capabilities supporting HP ProLiant Gen9:
  - Intelligent rack and management
  - Intelligent PDU and management
  - Intelligent environmental controls
  - Power planning considerations
  - Data Center Environmental Edge
  - Power capping and server capacity planning with intelligent infrastructure
  - HP Performance Optimized Datacenter POD and Factory Integration

#### Module 3: iLO Management Engine

- Identify capabilities of the HP Integrated Management Console
- Plan and implement server configurations:
  - System BIOS changes
  - Service Pack for ProLiant supporting roles
  - Script and scripting changes for automated provisioning
  - HP BladeSystem Onboard Administrator advancements for provisioning automation

#### Module 4: Gen8 ROM and Boot Process

- Describe the changes to Gen9 ROM
- Describe the technology changes supported by the Gen9 ROM
- Describe the Gen8 boot process

#### Module 5: Intelligent Provisioning

- Describe the functions of Intelligent Provisioning
- Describe how to access Intelligent Provisioning
- Describe how to deploy an OS using Intelligent Provisioning

- Describe how to configure a ProLiant server using Intelligent Provisioning
- Describe the diagnostic utilities available from Intelligent Provisioning

#### Module 6: Agentless Management

- Describe the components of Agentless Management
- Describe how Agentless Management works in Gen8 ProLiant servers
- Describe how Agentless Management interacts with other HP Software

#### Module 7: Service Pack for ProLiant (SPP)

- Describe the Service Pack for ProLiant (SPP)
- Describe the support strategy for the SPP
- Describe how to use the SPP

#### Module 8: Closing

- HP ProLiant Gen9 Next Steps to CORE Success: This section reviews the course and closes to establish learner next steps and summarize key learning points and questions from participants
  1. Concepts
  2. Objectives
  3. Revisit participant learning objectives, job aids, learning plans
  4. Energizers – next steps:
    - a) HP and Partner conversations
    - b) Other Courses from HP Education
    - c) Conferences
    - d) Certification for Competency
    - e) Customer Gen9 successes

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>