



# HP 教育訓練中心課程簡介

HP Core/Distribution Network Technologies using Comware Software (HK742s)

此為期五天講師授課的課程，著重在企業級網路中的必要的進階功能，以及如何在 HP Networking A-Series 交換器和路由器中施行它們。本課程等同 ExpertOne Program 中的 The Learning Center Implementing HP A-Series Networks 課程

## Course description

The HP Core/Distribution Network Technologies using Comware Software course describes techniques for designing and implementing resilient switched and routed converged networks based on the HP Comware switches.

The HP Comware switches play an important role in the HP FlexNetwork, the only converged networking architecture that spans from the virtualized data center to the virtual workplace for cloud, multimedia, and mobile services with integrated security solutions. This training will provide network engineers and technicians with the knowledge and skills necessary to configure HP Comware switches supporting network redundancy at Layer 2 and Layer 3, networks supporting IPv4 and IPv6 as well as OSPFv2 and OSPFv3 and IP multicast routing supported network systems. Intelligent Resilient Framework (IRF) will also be covered in this training. This course prepares candidates for the Accredited Solutions Expert (ASE) certification within the HP ExpertONE program.

## What's New

This version of the HP Core/Distribution Network Technologies using Comware Software course covers IPv6 features available in the A-Series switches such as IPv6 routing. Also an introduction to BGP is included in this new version. Furthermore this new version includes information on the A-Series switch architecture. The courseware provides an in-depth technical background on the covered topics mentioned in the Course Objectives section in this document.

## 醒唱對越

Professionals who design, implement, and support enterprise level network solutions based on HP Comware switches and technologies, including systems engineers, systems designers, customer IT staff, HP services field and call center support engineers.

## Certifications and Related Examinations

- HP ASE - FlexNetwork Integrator
- HP0-Y47 – Deploying HP FlexNetwork Core Technologies

<b>Course title:</b>	HP Core/Distribution Network Technologies using Comware Software
<b>HP product number:</b>	HK742s
<b>Category/Subcategory:</b>	HP Networking
<b>Course length:</b>	5 day ILT, 40% Lecture, 60% Hands-on
<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>

## 诛奇碎歡

Required:

- HP Access Layer Network Technologies using Comware Software, Rev 10.41 (ILT)
- HP Switching and Routing Technologies, Rev. 10.41 (WBT)

Recommended:

Basic knowledge on dynamic routing protocols, redundancy protocols and multicasting protocols is recommended, but not required.

Is highly recommended that the candidate is familiar with:

- How to perform basic configuration and switch setup on HP Comware switches.
- How to configure Layer 2 technologies such as STP, Link Aggregation and VLANs on HP Comware switches.
- How to configure basic IP Routing like static routing and RIP on HP Comware switches.
- How to configure IRF on HP Comware switches.

## 課程效益

This training prepares learners on how to implement HP Comware products into network solutions based on HP Flex Network architecture.

## 為何選擇HP教育訓練中心?

- More than 30 years of Education Consulting
- Global training with more than 90 training locations worldwide
- Award winning Virtual classrooms (SmallBiz Windows Collaboration Product of the Year 2010) and Virtual Labs for a real hands-on experience
- Comprehensive curriculum of job-specific training leading to vendor certification
- Streamlined purchase and management of training with HP Care Pack Services for Education
- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- Unmatched technical expertise and support for HP products and technologies
- Training you need, when and where you need it with our Virtual Instructor Led Training (VILT, formerly RAIL)
- Top 20 training provider and content development – **[www.TrainingIndustry.com](http://www.TrainingIndustry.com)**

## Next steps

- Accelerated Interoperability and Troubleshooting HP Networks - HLO39s
- Building HP FlexFabric Data Centers - H8D03

## 課程大綱

### Topics Covered

After completing this course, you should be able to:

- Deploying and configuring HP A-Series.
- Designing, implementing, and troubleshooting routed and bridged networks using industry-standard protocols, focusing on OSPF, VRRP, and MSTP.
- Designing and implementing “triple play” networks using HP prioritization and QoS features.
- Designing and implementing networks via the following multicasting technologies; IGMP, PIM Dense, and PIM Sparse.
- Designing and implementing IPv6 and OSPFv3.
- Designing and implementing IRF.

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