



Course overview

Architecting Open Standards HP Network Solutions (H3K70_00683606)

The Architecting Open Standards HP Network Solutions course provides you with the knowledge and skills to successfully architect and design complex enterprise level networks based on open networking industry standards. This course focuses on designing a future ready network capable of endless IT innovations, including cloud services, security, OpenFlow and BYOD (Bring Your Own Device) with integrated wired and wireless solutions for seamless access.

Course description

In today's network designs the boundaries are not as clear as several years ago. Cloud and Converged Infrastructure architectures have redefined the way IT assets are deployed and consumed which dramatically affects the way networks are architected and managed. This course includes both traditional network designs such as how to make a routed, redundant and secure networks, as well as how to integrate these traditional designs into a flatter, simpler network to support the bandwidth-intensive, delay-sensitive, server-to-server traffic flows that accompany cloud or converged environments. The Architecting Open Standards HP Network Solutions course prepares you to design comprehensive future proof networks including networking elements such as switches, routers and wireless products, as well as servers and storage network related components such as Network Attached Storage (NAS) and HP Virtual Connect. With the Architecting Open Standards HP Network Solutions course you learn how to validate customer requirements and how to translate those requirements into highly scalable, customized and secure network solution design.

What is new?

The Architecting Open Standards HP Network Solutions course is a brand new course, part of the HP ASE - Networking Architect certification track. It includes designs based on HP Networking's FlexNetwork architecture, which is the industry's only unified architecture for the data center, campus and branch enabling enterprises to fully harness the power of media-rich content, virtualization, mobility, and cloud computing.

Course title:	Architecting Open Standards HP Network Solutions
HP product number:	H3K70S
Category/Subcategory:	HP Networking
Course length:	5 days / ~ 60% based on case studies & 40%
Level:	Intermediate
Delivery language:	English
To order:	You can register your interest for this course online at http://www.hp.com.au/education . At the site, select the course under Partner / Networking portfolio and you will see dates for the course. Register your interest for the date of your choice

Audience

IT professionals with three or more years of experience in designing and architecting complex enterprise level networks. Recommended, but not required, experience with server and storage network related technologies.

Certifications and Related Examinations:

- HP ASE – Architect V1
- HP0-Y45

Prerequisites

- HP AIS – Network Infrastructure [2011]
- Successfully passed the exam HPO-Y43, Implementing HP Network Infrastructure Solutions

Course objectives

After completing this course, you will be able to:

- Explain how open standards and the HP FlexNetwork architecture addresses modern networking's bandwidth-intensive, delay-sensitive, mobility and BYOD demands
- Design a more simplified, flatter physical topology that can handle an enterprise's traffic volume and traffic patterns, including intensive server-to-server patterns anticipated for cloud and converged infrastructures
- Design efficient routing and multicast routing solutions for various enterprise needs
- Describe best practices for designing solutions from the Physical Layer to the Network Layer, by providing basic connectivity with some resiliency and good performance ensured by the proper bandwidth provisioning and topology design.
- Describe HP rack and blade server solutions and explain some advantages of the HP blade enclosures
- Explain how HP Virtual Connect (VC) modules help to simplify and optimize connections between servers and the data center LAN and SAN
- Design secure, integrated wired and wireless network solutions for seamless mobile access
- Develop a plan for implementing an HP networking solution into either a greenfield or an existing network
- Obtain the data and documentation required to understand a company's general connectivity, availability, security, and application requirements based on information provided by the company's key decision makers
- Design data center solutions including network, server, and storage virtualization and explain how virtualization and cloud computing are changing the data center environment

Why education services from HP?

- Award winning Virtual classrooms (SmallBiz Windows Collaboration Product of the Year 2010) and Virtual Labs for a real hands-on experience
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H3K70sA.00 - SABA ID 00683606 - Created Dec 2012

