Architecting Open Standards HP Network Solutions, Rev. 13.11

Certification(s) | HP ASE – Network Architect V1
---|---
Exam(s) | HP0-Y45 – Architecting HP Network Solutions
The Learning Center | 00683606
Format | Instructor-led training, virtual Instructor-led training
Duration | Five days

Course description

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.

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.

This course is approximately 60 percent based on case studies and 40 percent lecture and learning activities.

The Architecting Open Standards HP Network Solutions course prepares candidates for the HP Accredited Solutions Expert (ASE) – Networking Architect certification within the HP ExpertOne program.

For more information, visit the HP ExpertOne website, hp.com/go/ExpertOne

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.

Who should attend?

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.
Prerequisites

- HP AIS – Network Infrastructure [2011]
- Successfully passed the exam HP0-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

How to register

Register for this course in The Learning Center. See the course attachments within The Learning Center for additional information. The ID for this course is 00683606.

How to get access to The Learning Center.

HP employee training

This course is available in the HP internal learning management system, Grow@hp. The ID for this course is 00703833.

Policies

Cancellations

Cancellation fees may apply. Contact your HP Authorized Training Center or HP Education Services for their respective policies.

Fees

Course fees may vary and are established and collected by the training center delivering the course.

Contact information

HP ExpertOne: hp.com/go/ExpertOne

© Copyright 2013 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Created January 2013