



HP Education Services Course overview

Creating HP Software-defined Networks (H8D01_00851824)

Creating HP Software-defined Networks is an introductory course to SDN. The course provides an overview of SDN concepts, architecture, network design elements, how SDN-enabled applications can dynamically control network behavior, and how SDN will make deploying new solutions more efficient and less time consuming.

Course Description

In this course you will learn how SDN is used in networking environments, and how SDN separates the control and data plane using OpenFlow as the open standard transport mechanism. SDN “use cases” are used to demonstrate how SDN can be used in real-world situations to solve network challenges, and demonstrate the implications that SDN will have on the current and future network designs.

You will learn how to implement the HP VAN SDN Controller into an existing network by installing, configuring and licensing the HP VAN SDN Controller. The Network Protector SDN Application running on the HP VAN SDN Controller enables automated network posture assessment and real-time security across OpenFlow-enabled network devices. In the course you will be installing, configuring and testing this new HP SDN Application during hands-on labs.

At course completion, the learner will have a solid understanding of what SDN concepts, how it works, why it is used, and how the HP VAN SDN Controller can be implemented in an HP network.

This course is approximately 50% lecture and 50% learning activities and hands-on lab exercises.

The Creating HP Software-defined Networks course prepares candidates for one of the specialty exams in the HP ASE FlexNetwork Architect V2 and soon-to-be-released HP ASE - FlexNetwork Integrator V1 certification within the HP ExpertOne program.

Audience

The Creating HP Software-defined Networks course is suitable for all IT Professionals who want to learn about SDN. The focus of this course is on designing and implementing Software-defined Networks.

Course title:	Creating HP Software-defined Networks
HP product number:	H8D01_00851824
Category/Subcategory:	HP Networking
Course length:	4 days
Level:	Basic
Delivery language:	Русский/ English
To order:	Курс можно заказать в режиме онлайн на сайте http://www.hp.ru/education/networking . Выберите курс, затем нажмите «Посмотреть» и добавьте курс в корзину.

What is New?

The Creating HP Software-defined Networks is a new course and is one of the electives in the new HP ASE - FlexNetwork Architect V2 and soon-to-be-released HP ASE - FlexNetwork Integrator V1 certification tracks.

Prerequisites

HP FlexNetwork Fundamentals or similar experience with HP Comware and Provision switches.

Course objectives

- Explain what SDN means, from a technical and a business perspective
- Understand how SDN can be integrated in the HP FlexNetwork Architecture through SDN use cases

- Explain and understand how OpenFlow is the open-standard transport mechanism used for making SDN possible
- Understand how OpenFlow enables the separation of the control and data planes
- Understand the difference between OpenFlow 1.0 and 1.3
- Explain and understand how SDN can enhance the network performance, security and simplification, via applications such as Sentinel
- Understand what it takes to transition from traditional networking to Software-defined Networking
- Install and configure the HP VAN SDN Controller
- Understand and configure how the HP VAN SDN controller communicates with different components, both internal and external to the controller, via secure channels
- Explain the HP VAN SDN Controller RESTful API, including information about RSDoc
- Demonstrate how to use a script to make API calls, focusing on application implementation rather than development of applications
- Configure a controller team to provide high availability in a SDN environment

Certification(s)

HP ASE - FlexNetwork Architect V2

Exam(s)

HP2-Z31 – Creating HP Software-defined Networks

Why education services from HP?

- Comprehensive curriculum of job-specific training leading to vendor certification
- Global training with more than 90 training locations worldwide
- More than 30 years of Education Consulting
- Unmatched technical expertise and support for HP products and technologies
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- Streamlined purchase and management of training with HP Care Pack Services for Education
- Award winning Virtual classrooms and Virtual Labs for a real hands-on experience

Дополнительная информация

Образовательный центр HPE:

Телефон: +7 (495) 287-89-28

Факс: +7 (495) 287-89-29

Форма обратной связи [здесь](#)

Чтобы получить дополнительные сведения об услугах по обучению, посетите наш международный веб-сайт <http://www.hp.com/learn/Networking>.

© Copyright 2014 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.

HP Education services are governed by the HP Education Services Terms and Conditions

H8D01s.a.00 Created May 2014

