



Creating HPE Software-defined Networks H8D01S

The course provides an overview of SDN concepts, architecture, and network design elements, as well as how SDN-enabled applications can dynamically control network behavior and make deploying new solutions more efficient and less time consuming.

Creating HPE Software-defined Networks

Price USD \$3,200

Links to local schedules, pricing and [US/Canada](#)
[Mexico/Latin America](#)
[Brazil](#)

HP course # H8D01S

Category Networking

Duration 4 days

Course description

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 utilized 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 HPE VAN SDN Controller into an existing network by installing, configuring and licensing the HPE VAN SDN Controller. During the course you will be installing, configuring and testing the HPE Network Protector along with the HPE Visualizer SDN Application in the hands-on labs.

Audience

- The Creating HPE Software-defined Networks course is suitable for all IT Professionals who want to build knowledge and skills around SDN. The focus of this course is on designing and implementing Software-defined Networks.

Prerequisites

- This SDN course is one of the elements of the ASE certification - that requires the ATP or equivalent.

Course objectives

After completing this course, you should be able to do the following:

- Explain what Software-defined Networking (SDN) is in broad terms
- Describe Campus, Datacenter and Cloud SDN Solutions
- Describe HPE VAN SDN Controller requirements, architecture and features

- Integrate Mininet with the HPE VAN SDN controller
- Explain features and functionality of HPE SDN Applications:
 - Network Protector SDN Application
 - Network Visualizer SDN Application
 - Network Optimizer for Microsoft Lync
- Explain the OpenFlow protocol
- UsecURL to interact with the Controller REST API
- Configure Controller High Availability

Exam(s)

- HPE2-Z38 – Creating HPE Software-defined Networks.

Certification(s)

- HP ASE - FlexNetwork Architect V2

Course outline

Module 0: Course Introduction

Module 1: Software-defined Networking

Module 2: SDN Case Studies

Module 3: HP VAN SDN Controller Overview

Module 4: HP Network Protector SDN Application

Module 5: HP Network Visualizer SDN Application

Module 6: OpenFlow Deep Dive

Module 7: REST API

Module 8: High Availability

Learn more at

hpe.com/us/training/networking