



# SDN Overview WBT HOLW1AAE

Mobile Communication Service Providers (CSPs) are on the cusp of a multitude of network and business transformation choices. A good conceptual understanding of the new networking and CSP business paradigms is essential for professionals in the communication industry. This course provides a high level view of the impact and benefits of Software Defined Networks, the vision and opportunities created by future CSP networks, as well as a number of example of how SDN could be used to provide services in a Transformed network.

## SDN Overview WBT

**Price** USD \$250

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

**HP course #** HOLW1AAE

**Category** Cloud

**Duration** 1 hour

## Audience

- The course is intended for all that are interested in understanding what SDN is and how it will transform the CSP network over the next few years.

## Course objectives

After completing this course, the student will be able to:

- Describe the concept of Software Defined Networks (SDN)
- List the key components of the SDN architecture
- Identify possible uses of SDN

## Course outline

### Module 1: SDN Overview

- SDN: Centralized control, distributed traffic
- SDN defined

### Module 2: SDN Motivations and Benefits

- Motivation for SDN
- Potential SDN benefits

**Module 3: Routing and Forwarding**

- Routing and forwarding
- Routing in action
- Forwarding in action
- Control plane and forwarding plane inside a router

**Module 4: SDN Principles**

- The SDN way
- The Hybrid way

**Module 5: SDN Architecture**

- SDN architecture
- SDN controller for flow rules
- SDN switch for forwarding

**Module 6: SDN in Action**

- SDN flow rules in action
- SDN forwarding in action

**Module 7: Using SDN**

- SDN: Hybrid approach
- SDN: Bandwidth on demand service

**Module 8: SDN Challenges****Module 9: End of Course Assessment**

Learn more

**[hpe.com/us/training/cloud](http://hpe.com/us/training/cloud)**