



HP ProCurve  
Networking  
Business

HP ProCurve  
Networking  
Primer



HP ProCurve  
Networking  
Pre-study Materials

## Course

HP ProCurve Networking Primer

### Format offered

- Computer-based training (CBT) or web-based training (WBT)
- Lecture with interactive lessons
- 2-4 hours

### Course description

This primer provides you with the basic understanding of network topics required to get the most from the Adaptive EDGE Fundamentals classroom training.

### Audience

- HP channel partner systems engineers, network engineers and network administrators who are new to the networking field and those who wish to take ProCurve Networking training courses.
- It is essential that all students who attend HP ProCurve Networking courses have the same foundation knowledge. This self-paced training course covers the topics of networking technologies, network components and network protocols in a flexible, interactive format. Completing this course will prepare students for the HP ProCurve Networking training courses, which are part of the HP Certified Professional Program.

### Benefits from attending the course

### Prerequisites

- None

### Topics covered

- Ethernet topologies and technologies
  - physical LAN topology
  - Ethernet protocol
  - wireless technologies
  - WAN technologies
- Networking components
  - Network devices and the software that enables them
  - Connecting devices to the network
  - Cables and connectors commonly used in today's networks
  - Fundamentals of switch and router operations
  - Basics of VLANs
- Network protocols and services
  - overview of the TCP/IP protocol stack
  - IP addressing
  - TCP/IP services, and how these services are provided and accessed
  - brief overview of other LAN protocols you may encounter in a network environment.

## **Student performance objectives**

- Identify the features and benefits of a physical star topology
- Identify key features of the Ethernet specifications
- Identify key features of wireless technologies
- Identify key features of WAN technologies
- Identify the components that make up a typical computer network
- Identify the characteristics of copper and fiber optic cables and connectors
- Identify the characteristics of a network switch and a network router
- Describe how a VLAN works
- Identify the roles of the 4 layers of the TCP/IP protocol stack
- Identify how TCP/IP addresses devices on a network
- Identify how ports and services are used in a TCP/IP network
- Identify common TCP/IP ports and services
- Identify other LAN protocols used in computer networks

## **Certification**

This course does not have a certification exam, however this training is a prerequisite for the AIS – HP ProCurve Networking certification track.

## **Course Cost**

There is no fee for this course.