Fortinet Networking Fundamentals

In this course, you will learn about the essentials of data communication and the basic functions of computer networking. This course is designed as an entry point for individuals who are new to the data networking environment, and who are looking to pursue a career in IT, computer networking and infrastructure, or cybersecurity. This course provides a foundation of essential networking concepts and terminology. Students can then build on these concepts to explore more advanced topics that are related to these career paths.

Course Duration

- Total course duration (estimated): 4-5 hours

Who Should Attend

Anyone who wants to learn about basic networking concepts should attend this course.

Certification

This course does not have a certification.

Prerequisites

There are no prerequisites for this course.

Agenda

1. Welcome Video
2. LAN Basics
3. OSI Reference Model
4. TCP/IP Internet Layer
5. Networking Devices
6. TCP/IP Suite
7. Design Issues
8. Internetworking Fundamentals
9. Virtualization and Cloud

Objectives

After completing this course, you will be able to:

- Describe the topologies, models, and protocols used to organize computing devices and allow communication at the various layers of the OSI model
- Identify the seven layers of the OSI model
- Explain the design, types, and technologies used to connect LANs
- Describe the differences between physical on-premises, virtualization, and cloud computing

Training Delivery Options

Self-Paced Training

Includes online training videos and resources through the Fortinet Training Institute library, free of charge.

Program Policies and FAQs

For questions about courses, certification, or training products, refer to Program Policy Guidelines or Frequently Asked Questions.