MTA 98-366 Networking Fundamentals Cert Prep

Modality: On Demand

Duration: 2.5 Hours

About this course:

The MTA certification is the newest addition in Microsoft's range of technology certification exams, which enables individuals to start a career with the fundamental knowledge of Microsoft Technologies.

This exam offers an entry point for a career in technology and expects some hands-on experience of Microsoft, but it does not expect a corporate experience.

Short quizzes at the end of sections offer an opportunity for self-assessment for the lesson learned in a specific section.

Skills measured:

- Understanding network infrastructures (30–35%)
- Understanding network hardware (20–25%)
- Understanding protocols and services (45-50%)

Note: the exam evaluates you on the aforementioned skills. The percentage in front represents the weightage that each task hold. The exam will have 50% questions from protocols and services, 35% of questions from network infrastructure, and 25% questions from network hardware.

Benefits:

MTA certification is an excellent source to use as an entry point for IT careers and to develop a deep understanding of basics.

According to a report by Microsoft, almost 86% of managers said that they consider IT certifications while hiring and interviewing potential candidates and 91% of them said that certification is of paramount importance. 64% of the managers consider certifications to be a validation of a candidate's skills. They all agree that certifications, experience, and training are all essential to secure a good position.

Another survey that was recently conducted said that 60% of IT professionals believe that their IT certifications helped them in securing good positions at organizations.

A Microsoft Technology Associate certification offers the appropriate skills and expertise required for different technologies and products, it is, therefore, recommended as an entry point to the certifications by Microsoft.

It helps in building a strong foundation with its wide range of exams; even one exam will help you

take the first step towards an IT career.

This course will help all those who are looking to improve their skill set and resume, and to appear as a strong candidate at their next IT interview.

Course Objective:

At the end of the course, students will be eligible enough to:

- Understand network infrastructures
- Understand network hardware
- Understand protocols and services

Additionally, all candidates who are successful in completing this course will be fully prepared for the MTA 98-366 Networking Fundamentals exam.

Audience:

The course targets all those who are interested in improving their computer and networking skills.

Prerequisite:

All students should have basic computer skills and a fundamental understanding of Information Technology.

Course Outline:

Introduction

- Introduction

Lesson 1: Understanding Local Area Networking

- 01. Part 1 Examining Local Area Networks, Devices, and Data Transfer
- 02. Part 2 Examining Local Area Networks, Devices, and Data Transfer
- 03. Part 3 Identifying Network Topologies and Standards
- Lesson 1 Understanding Local Area Networking - 10 questions

Lesson 2 Defining Networks with the OSI Model

- Part 1 Understand the Open Systems Interconnection (OSI) model
- Part 2 Understand the Open Systems Interconnection (OSI) model
- Lesson 2 Defining Networks with the OSI Model - 10 questions

Lesson 3 Understanding Wired and Wireless Networks

- 06. Part 1 Understand media types
- 07. Part 2 Understand local area networks (LANs) and Wireless
- Lesson 3 Understanding Wired and Wireless Networks - 10 questions

Lesson 4 Understanding Internet Protocol

- 08. Part 1 Working with IPv4
- 09. Part 2 Working with IPv6
- Lesson 4 Understanding Internet Protocol - 10 questions

Lesson 5 Implementing TCPIP in the Command Line

- 10. Part 1 Using Basic TCP IP Commands
- Lesson 5 Implementing TCPIP in the Command Line - 10 questions

Lesson 6 Working with Networking Services

- 11. Part 1 Setting Up Common Networking Services
- Lesson 6 Working with Networking Services - 10 questions

Lesson 7 Understanding Wide Area Networks

- 12. Part 1 Defining Common WAN Technologies and Connections
- 13. Part 2 Defining Common WAN Technologies and Connections
- Lesson 7 Understanding Wide Area Networks - 10 questions

Lesson 8 Defining Network Infrastructure and Network Security

- 14. Part 1 Understand the concepts of internet, intranet, and extranet
- 15. Part 2 The concepts of internet, intranet, and extranet
- Lesson 8: Designing Network Infrastructure and Network Security - 10 questions

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