

COMPTIA A+ CORE 1 (220-1001) EXAM CHAPTER 16: PHYSICAL NETWORKING

OBJECTIVE MAPPING*

EPISODE: INTRODUCTION TO NETWORKING

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.7 Compare and contrast Internet connection types, network types, and their features

- Network types
 - LAN

EPISODE: HUBS VS. SWITCHES

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.2 Compare and contrast common networking hardware devices

- Switches
- Repeaters
- Hub

2.3 Given a scenario, install and configure a basic wired/wireless SOHO network

- Router/switch functionality

EPISODE: HEXADECIMAL

CORE 1 EXAM OBJECTIVES

DOMAIN: NO DOMAIN

No Objectives – this episode was created to help further your knowledge, but doesn't address any specific exam objective

EPISODE: WANS AND ROUTERS

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.7 Compare and contrast Internet connection types, network types, and their features

- Routers
- Network types
 - LAN
 - WAN

DOMAIN 3.0 - HARDWARE

3.1 Explain basic cable types, features, and their purposes

- Network cables
 - Cat 5
 - Cat 5e
 - Cat 6
 - Speed and transmission limitations

3.10 Given a scenario, configure SOHO multifunction devices/printers and settings

- Device sharing
 - Wired
 - Ethernet

EPISODE: CABLES AND CONNECTORS

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.8 Given a scenario, use appropriate networking tools

- Crimper
- Cable stripper

DOMAIN 3.0 - HARDWARE

3.1 Explain basic cable types, features, and their purposes

- Network Cables
 - Plenum
 - Shielded twisted pair
 - Unshielded twisted pair
 - 568A/B
 - Fiber
 - Coaxial

3.2 Identify common connector types

- RJ-11
- RJ-45
- BNC
- RG-59
- RG-6

3.10 Given a scenario, configure SOHO multifunction devices/printers and settings

- Device sharing
 - Wired
 - Ethernet

EPISODE: CRIMPING CABLES

CORE 1 EXAM OBJECTIVES

DOMAIN 3.0 - HARDWARE

3.1 Explain basic cable types, features, and their purposes

EPISODE: STRUCTURED CABLING

CORE 1 EXAM OBJECTIVES

DOMAIN 2.0 - NETWORKING

2.8 Given a scenario, use appropriate networking tools

- Punchdown tool

*This document can be used to determine what CompTIA A+ exam objectives are in each episode, as well as map where those objectives are in the official "CompTIA A+ 220-1101 Exam Objectives (2.0)" PDF resource that accompanies this course.

**Why am I seeing different Core exams than what I'm studying? In some cases, you may be watching a video series that focuses on the Core 1 exam, however some of the episodes contain Core 2 exam objectives, or vice versa. There are 2 reasons for this: 1) The other Core exam topic is covered to give you a better, fuller understanding of the surrounding topics, and 2) Some episodes contain information from both Core exams because the topics coincide with each other and are more easily taught in 1 episode than breaking them out into separate episodes.