

## COMPTIA A+ CORE 2 (220-1002) EXAM CHAPTER 19: LOCAL AREA NETWORKING

### OBJECTIVE MAPPING\*

#### EPISODE : WORKING WITH CONNECTIONS

##### CORE 1 EXAM OBJECTIVES\*\*

##### DOMAIN 2.0 - NETWORKING

#### 2.1 Compare and contrast TCP and UDP ports, protocols, and their purposes

- Ports and protocols

##### CORE 2 EXAM OBJECTIVES

##### DOMAIN 1.0 - OPERATING SYSTEMS

#### 1.4 Given a scenario, use appropriate Microsoft command line tools

- Netstat

#### EPISODE : WORKING WITH WORKGROUPS

##### CORE 2 EXAM OBJECTIVES

##### DOMAIN 1.0 – OPERATING SYSTEMS

#### 1.3 Summarize general OS installation considerations and upgrade methods

- Workgroup vs. Domain setup

#### 1.8 Given a scenario, configure Microsoft Windows networking on a client/desktop

- HomeGroup vs. Workgroup

#### EPISODE : WORKING WITH ACTIVE DIRECTORY

##### CORE 2 EXAM OBJECTIVES

##### DOMAIN 2.0 - SECURITY

#### 2.2 Explain logical security concepts

- Active Directory
  - Login script
  - Domain
  - Group Policy/Updates
  - Organizational Units
  - Home Folder
  - Folder redirection

#### 2.7 Given a scenario, implement security best practices to secure a workstation

- Account management
  - Basic Active Directory functions
    - Account creation
    - Account deletion
    - Password reset/unlock account
    - Disable account

## EPISODE : WINDOWS SHARING WITH MAC AND LINUX

### CORE 1 EXAM OBJECTIVES\*\*

#### DOMAIN 2.0 - NETWORKING

##### 2.1 Compare and contrast TCP and UDP ports, protocols, and their purposes

- Ports and protocols
  - 389 – LDAP

#### DOMAIN 3.0 – HARDWARE

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

- Public/shared devices

### CORE 2 EXAM OBJECTIVES

#### DOMAIN 1.0 - OPERATING SYSTEMS

##### 1.9 Given a scenario, use features and tools of the Mac OS and Linux client/desktop operating systems

#### DOMAIN 2.0 - SECURITY

##### 2.6 Compare and contrast the differences of basic Microsoft Windows OS security settings

- Shared files and folders

## EPISODE : NET COMMAND

### CORE 2 EXAM OBJECTIVES

#### DOMAIN 1.0 - OPERATING SYSTEMS

- **1.4 Given a scenario, use appropriate Microsoft command line tools**
  - net user

## EPISODE : FIREWALL CONFIGURATION

### CORE 1 EXAM OBJECTIVES\*\*

#### DOMAIN 2.0 - NETWORKING

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

- Firewall settings
  - DMZ
  - Whitelist/blacklist

### CORE 2 EXAM OBJECTIVES

#### DOMAIN 2.0 - SECURITY

##### 2.2 Explain logical security concepts

- Access control lists

- Principle of least privilege

## EPISODE : WINDOWS FIREWALL

### CORE 2 EXAM OBJECTIVES

#### DOMAIN 2.0 - SECURITY

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##### **2.10 Given a scenario, configure security on SOHO wireless and wired networks**

- Firewall settings

## EPISODE : PORT FORWARDING

### CORE 1 EXAM OBJECTIVES\*\*

#### DOMAIN 2.0 – NETWORKING

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##### **2.2 Compare and contrast common networking hardware devices**

- Firewall
- Network interface card

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

- Firewall settings
  - Port forwarding

\*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.