

COMPTIA A+ CORE 1 (220-1001) EXAM CHAPTER 26: PRINTERS AND MULTIFUNCTION DEVICES

OBJECTIVE MAPPING*

EPISODE : LASER PRINTERS

CORE 1 EXAM OBJECTIVES

DOMAIN 3: HARDWARE

3.11 Given a scenario, install and maintain various print technologies

- Laser
 - Imaging drum, fuser assembly, transfer belt, transfer roller, pickup rollers, separate pads, duplexing assembly
 - Imaging process: processing, charging, exposing, developing, transferring, fusing, and cleaning
 - Maintenance: Replace toner, apply maintenance kit, calibrate, clean

EPISODE : LASER PRINTERS

CORE 1 EXAM OBJECTIVES

DOMAIN 3: HARDWARE

3.11 Given a scenario, install and maintain various print technologies

- Inkjet
 - Ink cartridge, Print head, roller, feeder, duplexing assembly, carriage, and belt
 - Calibrate
 - Maintenance: Clean heads, replace cartridges, calibrate, clear jams

EPISODE : IMPACT PRINTERS

CORE 1 EXAM OBJECTIVES

DOMAIN 3: HARDWARE

3.11 Given a scenario, install and maintain various print technologies

- Impact
- Print head, ribbon, tractor feed
- Impact paper
- Maintenance: Replace ribbon, replace print head, replace paper

EPISODE : THERMAL PRINTERS

CORE 1 EXAM OBJECTIVES

DOMAIN 3: HARDWARE

3.11 Given a scenario, install and maintain various print technologies

- Thermal

- Feed assembly, heating element
- Special thermal paper
- Maintenance: Replace paper, clean heating element, remove debris

EPISODE : INSTALLING A LOCAL PRINTER

CORE 1 EXAM OBJECTIVES

DOMAIN 3: HARDWARE

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

- Use appropriate drivers for a given operating system
 - Configuration settings
 - Duplex Collage
 - Orientation
 - Quality
- Device sharing
 - Wired
 - USB
 - Serial
 - Ethernet

3.11 Given a scenario, install and maintain various print technologies

- Virtual
- Print to file
- Print to PDF
- Print to XPS
- Print to image

EPISODE : SHARING PRINTERS

CORE 1 EXAM OBJECTIVES

DOMAIN 1: MOBILE DEVICES

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

- Printer sharing vs. network printer mapping

DOMAIN 2: HARDWARE

2.5 Summarize the properties and purposes of services provided by networked hosts

- Server roles
 - Print server

DOMAIN 3: HARDWARE

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

- Device sharing
 - Integrated print server (hardware)
- Public/shared devices
 - Sharing local/networked device via operating systems
 - Data privacy
 - User authentication on the device
 - Hard drive caching

EPISODE : INSTALLING WIRELESS AND CLOUD PRINTERS

CORE 1 EXAM OBJECTIVES

DOMAIN 2: HARDWARE

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

- 427 - SLP

DOMAIN 3: HARDWARE

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

- Device sharing
 - Wireless
 - Infrastructure vs. ad hoc
 - Cloud printing/remote printing
- Public/shared devices
 - Sharing local/networked device via operating systems
 - TCP/Bonjour/AirPrint

EPISODE : TROUBLESHOOTING PRINTERS

CORE 1 EXAM OBJECTIVES

DOMAIN 5: HARDWARE AND NETWORK TROUBLESHOOTING

5.6 Given a scenario, troubleshoot printers

- Common symptoms
 - Streaks
 - Faded prints
 - Ghost images
 - Toner not fused to the paper
 - Creased paper
 - Paper not feeding
 - Paper jam
 - No connectivity
 - Garbled characters on paper
 - Vertical lines on page
 - Backed-up print queue
 - Low memory errors
 - Access denied
 - Printer will not print
 - Color prints in wrong print color
 - Unable to install printer
 - Error codes
 - Printing blank pages
 - No image on printer display

EPISODE : 3D PRINTING

CORE 1 EXAM OBJECTIVES

DOMAIN 3: HARDWARE

3.11 Given a scenario, install and maintain various print technologies

- 3D printers
 - Plastic filament

*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.