Study Guide
CompTIA 220-801 A+ Certification Domain 3- Laptops
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The newest CompTIA A+ 220-801 Domain 3 accounts for 11% (percent) of the total CompTIA A+ certification exam. The CompTIA A+ 220-801 Domain 3 is a very short list of objectives as compared to Domain 1 and Domain 2. But, don't be misled by the short list of objectives. Many test items related to Domain 3 laptops will be covered in other domain objectives.

For example, you may see questions related to subjects such as tablet or laptop screen resolution, video and sound related questions, security, wireless networking, and configuring an exterior monitor or projector In the past, many of the portable device related objectives were much more specific than the 220-801 Domain 3 - Laptop objectives.

There is also a list of additional objectives at the end of this study guide to help you prepare for closely related items that may appear on your actual A+ certification exam.

For additional reference materials check the following websites that relate to laptops and portable devices.

Express card organization website.

http://www.expresscard.org/web/site/about.jsp

A quiz at ProProfs designed to test your knowledge of laptops.

http://www.proprofs.com/quiz-school/story.php?title=it-essentials-fundamental-laptops-portable-devices

A great source of laptop repair information all at one site. Check it out before you take a certification exam.

http://www.laptop-repair.info/

Use this manual to become familiar with common small form factor PC devices.

http://images10.newegg.com/User-Manual/User_Manual_83-157-470.pdf

3.0 Laptops

3.1 Install and configure laptop hardware and components.

- Expansion options

Express card /34

Express card /54

PCMCIA

SODIMM

Flash

- Hardware/device replacement

Keyboard

Hard Drive (2.5 vs. 3.5)

Memory

Optical drive

Wireless card

Mini-PCIe

Screen

DC jack

Battery

List all the different types of batteries used for laptops and portable devices. Also identify which lasts the longest and how to properly dispose of the battery.

Touchpad

What is the most common cause of touchpad failure?

Plastics

Speaker

System board

CPU

3.2 Compare and contrast the components within the display of a laptop.

- Types

LCD

LED

OLED

Plasma

- Wi-Fi antenna connector/placement

  What are the most common reasons for a poor Wi-Fi connection? How do you connect to an access point?

- Inverter and its function

- Backlight

3.3 Compare and contrast laptop features.

- Special function keys

Dual displays

How do you setup a dual display?

Wireless (on/off)

Volume settings

Screen brightness

Bluetooth (on/off)

Keyboard backlight

- Docking station vs. port replicator

- Physical laptop lock and cable lock

In addition to the above areas you need to be familiar with the following areas associated with laptops and portable devices.

Remote access,

VPN

Microsoft Direct Access

Microsoft Control Panel

Power Settings

Table PC Settings

Pen, stylus and Touch

Configuring

Explain the difference between sleep and hibernation.

Windows Mobility Center configuration options.

Personalize handwriting on a table

Using Windows Journal