

## CompTIA Network+ Domain 3 Study Guide

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### 3.0 Network Devices

This section of the CompTIA test includes approximately 17% or 17 questions. Convert each acronym to the words they represent.

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There is a corresponding practice exam located at [www.RMRoberts.com](http://www.RMRoberts.com) at the following link (link here). Do not take the practice exam until you have completed the study guide.

#### 3.1 Install, configure and differentiate between common network devices.

- Hub
  
- Repeater
  
- Modem
  
- NIC
  
- Media converters
  
- Basic switch
  
- Bridge
  
- Wireless access point
  
- Basic router
  
- Basic firewall
  
- Basic DHCP server

### **3.2 Identify the functions of specialized network devices.**

- Multilayer switch
- Content switch
- IDS/IPS
- Load balancer
- Multifunction network devices
- DNS server
- Bandwidth shaper
- Proxy server
- CSU/DSU

### **3.3 Explain the advanced features of a switch.**

The items listed below can most easily be found at the CISCO website.

- PoE
- Spanning tree
- VLAN

- Trunking
- Port mirroring
- Port authentication

### **3.4 Implement a basic wireless network.**

- Install client
- Access point placement

- **Install access point**

Explain how each of the next three items relates to installing an access point. Also what is the most common default setting for a typical access point as related to encryption, channel/frequency and SSID?

- Configure appropriate encryption
- Configure channels and frequencies
- Set ESSID and beacon
- Verify installation

Explain how you would verify the installation of the access point and ensure it working and configured correctly.

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