

 uCertify

Course Outline

CompTIA Network+ N10-006

Pearson uCertify Labs



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Lab Tasks

Here's what you get

1. Course Objective

Gain hands-on expertise in CompTIA Network+ certification exam by CompTIA Network+ N10-006 Pearson uCertify performance based labs. Performance based labs simulate real-world, hardware, software & command line interface environments and can be mapped to any text-book, course & training. CompTIA Network+ is a globally recognized, foundational-level credential designed for IT professionals, IT network practitioners. CompTIA Network+ N10-006 exam validates the expertise and technical knowledge required to identify network limitations and weaknesses; establish basic network design and connectivity; understand and maintain network documentation; troubleshoot, configure, and manage common network wireless and wired devices; and implement network security, standards, and protocols.

2. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

3. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

4. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assignments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

5. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's

finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 3 years:

- **2014**
 1. Best Postsecondary Learning Solution

- **2015**
 1. Best Education Solution
 2. Best Virtual Learning Solution
 3. Best Student Assessment Solution
 4. Best Postsecondary Learning Solution
 5. Best Career and Workforce Readiness Solution
 6. Best Instructional Solution in Other Curriculum Areas
 7. Best Corporate Learning/Workforce Development Solution

- **2016**
 1. Best Virtual Learning Solution
 2. Best Education Cloud-based Solution
 3. Best College and Career Readiness Solution
 4. Best Corporate / Workforce Learning Solution
 5. Best Postsecondary Learning Content Solution
 6. Best Postsecondary LMS or Learning Platform
 7. Best Learning Relationship Management Solution

6. Performance Based Labs

uCertify's performance-based labs are simulators that provides virtual environment. Labs deliver hands on experience with minimal risk and thus replace expensive physical labs. uCertify Labs are cloud-based, device-enabled and can be easily integrated with an LMS. Features of uCertify labs:

- Provide hands-on experience in a safe, online environment

- Labs simulate real world, hardware, software & CLI environment
- Flexible and inexpensive alternative to physical Labs
- Comes with well-organized component library for every task
- Highly interactive - learn by doing
- Explanations and remediation available
- Videos on how to perform

Lab Tasks

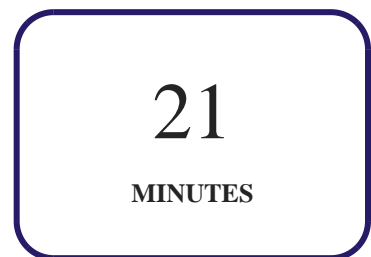
- Identifying functions of a network
- Identifying network components
- Identifying a network device
- Identifying network categories
- Identifying a network topology
- Identifying internetworking devices
- Identifying network topologies
- Identifying client and server
- Identifying OSI layer functions
- Identifying OSI layers
- Identifying connectionless communication
- Describing OSI layers
- Identifying abbreviations for various Internet layer protocols
- Identifying TCP/IP protocol layers
- Identifying TCP/IP layers
- Identifying TCP utilities
- Identifying RG standards
- Identifying types of cable
- Identifying fiber connectors
- Identifying various equipments
- Identifying components of a coaxial cable
- Terminating a cable with an RJ-45 plug

- Identifying devices used in an internetwork
- Identifying internetworking devices
- Identifying the network device
- Identifying network devices
- Identifying network infrastructure devices
- Connecting systems to the Internet through a router
- Identifying types of hubs
- Installing and configuring a temporary server
- Identifying VPN protocols
- Connecting a wireless router to the laptop
- Obtaining IP address information from a DHCP server
- Installing a NIC
- Connecting to a server using Remote Desktop Connection
- Identifying protocols and devices
- Identifying an RJ-45 connector
- Connecting a workstation to the Ethernet and to the Internet
- Connecting a computer system to the network
- Identifying Fast Ethernet standards
- Connecting patch cables between the patch panel and switch ports
- Identifying sequence of broadcast storm
- Converting a decimal number to binary and hex
- Obtaining IP DNS addresses
- Connecting cable internet access for your network
- Connecting a workstation to the LAN and configuring IPv4 properties
- Configuring IPv4 address
- Identifying Internet protocols and their standards
- Identifying steps for calculating subnets
- Configuring and testing IPv6 addresses
- Configuring Internet settings on a router
- Setting up a DMZ on a SOHO router
- Adding and deleting routes
- Identifying routing protocols
- Identifying WAN connection types
- Identifying WAN technology bandwidth

- Identifying WAN technology
- Identifying WAN bandwidth features
- Identifying speed of bandwidth technologies
- Creating a remote access VPN connection
- Identifying MPLS network elements
- Configuring SSID
- Identifying Ethernet standards
- Identifying WLANs
- Configuring Windows 7 wireless settings
- Identifying networking protocols
- Identifying quality issues
- Understanding the ipconfig command
- Analyzing network paths with tracert
- Analyzing network paths with pathping
- Analyzing the TCP/IP configuration with nbtstat
- Analyzing the TCP/IP configuration with netstat
- Analyzing domain names with nslookup
- Adding and removing an IPv6 address
- Understanding the arp command
- Understanding the netstat command in UNIX
- Identifying the components of a multimeter
- Identifying steps to use a Toner Probe
- Understanding configuration management
- Filtering entries in Event Viewer
- Identifying Syslog severity levels
- Identifying sequence of asymmetric encryption
- Identifying types of Denial of Service attacks
- Identifying network attacks
- Identifying Bluetooth devices attacks
- Identifying remote access methods
- Identifying a back-to-back firewall
- Identifying firewall techniques
- Configuring Windows firewall settings
- Identifying types of firewall

- Identifying VPN protocols
- Understanding IPsec VPN
- Identifying types of IDS
- Diagnosing a network problem
- Viewing TCP frame details using Network Monitor
- Identifying physical layer issues
- Troubleshooting physical link layer issues
- Troubleshooting data link layer issues
- Understanding data structures

Here's what you get



Have Any Query? We Are Happy To Help!

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