CompTIA Mobility+ Certification

Duration: 5 days
Price: $4000
Certifications: CompTIA Mobility+
Exams: MB0-001

Course Overview

The mobile age is upon us. More and more people are using tablets, smartphones, and other mobile devices to accomplish things in their personal and professional lives. As businesses embrace this trend, they need to support their employees in the use of mobile devices while protecting their own assets, such as intellectual property.

If you are already a traditional network support technician, you're well on the way to having the knowledge and skills needed to support the mobile workforce. This course builds on your existing knowledge and experience to provide you with critical concepts related to over-the-air technologies, wireless networking, and mobile devices.

Target Audience

Students taking this course are IT support personnel or prospective support personnel who have at least one year of experience working with computer networks, and who want to further develop their IT skills to include mobile device and wireless support.

Course Objectives

- Configure over-the-air technologies.
- Apply RF principles.
- Implement a wireless network infrastructure.

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- Implement network infrastructure devices and services.
- Implement mobile solutions.
- Prepare the enterprise for a mobile network.
- Deploy mobile devices.

- Implement mobile device operations.
- Maintain mobile device operations.
- Deploy mobile applications and related technologies.
- Implement mobile app protocols and services.
- Implement mobile security.
- Mitigate mobile network risk.
- Implement incident response.
- Troubleshoot mobile devices and networks.

Course Outline

Lesson 1: Configuring Over-the-Air Technologies

- Mobile Networking Introduction
- Evaluate and Select Cellular Technologies
- Implement Wi-Fi Technologies

Lesson 2: Applying RF Principles

- Apply Radio Frequency Concepts
- Conduct a Site Survey and Analysis

Lesson 3: Implementing a Wireless Network Infrastructure

- Choose a Network Topology
- Describe the OSI Model
- Implement Network Ports and Protocols

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Lesson 4: Implementing Network Infrastructure Devices and Services
Implement a Firewall

- Implement Connectivity Devices and Services
- Traverse Wireless and Wired Networks

- Implement Wireless IP Traffic
- Configure Core Wireless Network TCP/IP Services
- Implement Disaster Recovery

Lesson 5: Implementing Mobile Solutions

- Create a Mobile Device Policy
- Align Mobile Device Management to Enterprise Requirements
- Align Mobile Service Solutions to Enterprise Requirements
- Align Mobile Infrastructure Management to Enterprise Requirements

Lesson 6: Preparing the Enterprise for a Mobile Network

- Implement the SDLC
- Prepare the Infrastructure

Lesson 7: Deploying Mobile Devices

- Manage Cellular Device Activation and Deployment
- Configure Mobile Device Peripherals
- Complete the Onboarding and Provision Process
- Complete the Off-boarding and De-provisioning Process

Lesson 8: Implementing Mobile Device Operations

- Distribute Centralized Content
- Implement Deployment Best Practices
- Configure Remote Capabilities

Lesson 9: Maintaining Mobile Device Operations

- Manage Lifecycle Operations
- Back Up, Recover, and Segregate Data
- Stay Current with New Technologies

Lesson 10: Deploying Mobile Applications and Related Technologies

- Choose Mobile App Types

- Determine In-house Application Development Requirements
- Implement Push Notification

Lesson 11: Implementing Mobile App Protocols and Services

- Configure Mobile Application
- Implement Proxy and Gateway Settings
- Implement Information Traffic Topology

Lesson 12: Implementing Mobile Security

- Implement Encryption Methods
- Implement Access Control
- Implement PKI
- Implement Security Monitoring

Lesson 13: Mitigating Mobile Network Risk

- Identify Risks and Threats
- Implement Mitigation Techniques

Lesson 14: Implementing Incident Response

- Identify an Incident
- Create and Execute a Policy-Based Response
- Report an Incident

Lesson 15: Troubleshooting Mobile Devices and Networks

- Implement Troubleshooting Methodology
- Troubleshoot Device Problems

- Troubleshoot Application Problems
- Troubleshoot Over-the-Air Connectivity Problems
- Troubleshoot Security Problems

Prerequisites

Network+ Certification or equivalent working knowledge at least 18 months of work experience in administration of mobile devices in the enterprise.

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