1001-02: CompTIA A+ Certification, Part 5 of 13: Working with Operating Systems

Meet the expert: Patrick Loner has certifications for MCSA, MCSE, MCITP, A+, Network+, Security+, and more. He has been working as a Microsoft Certified Trainer, network administrator, and network consultant for over ten years. He has over a decade of experience working with and teaching about Windows networks with client and server operating systems. He has guided many students toward Microsoft and CompTIA certifications. Most recently, he has worked as a freelance trainer and network consultant specializing in Windows Server 2008 and Microsoft Exchange 2007 and Exchange 2010 implementations, design, and upgrades. Patrick continues to branch out now working with and training on Windows Server 2012, Windows 8, Exchange 2013, and System Center Configuration Manager 2012.

Prerequisites: The course assumes that a student has a basic familiarity with computer operation.

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Course description: In this course for the CompTIA A+ 1001-1002 exam we will discuss how the operating system is the basic building block of every computer or device. Next you'll learn the particulars of Windows 7, 8, and 8.1, Windows 10, MacOS, and Linux, and discover the tools that are required to connect to a network and to diagnose network problems. You'll also get caught up on virtualization and cloud computing with both public and private networks.

Course outline:

Understanding Windows Operating Systems
- Understanding Windows Operating Systems
- Windows PowerShell
- Windows 8.1 Editions
- Installing Windows
- Windows Tools
- New Command Line Tools
- Storage Spaces
- Refresh and Reset
- Introduction
- Summary

Understanding Mac and Linux Operating Systems
- Understanding Mac and Linux Operating Systems
- Mac OS X
- The Focus
- Multiple Desktops
- Key Chain and Spotlight
- iCloud, Gestures, and Remote Disk
- Dock and Boot Camp
- Mac and Linux Tool
- System Restore
- Disk Maintenance
- Shell/Terminal
- Screen Sharing
- Force Quit
- Scheduled Disk Maintenance
- System Updates/App Store
- Linux Commands
- Introduction
- Summary

Virtualization and Cloud Computing
- Virtualization and Cloud Computing
- Virtualization Benefits
- Virtualization Components
- Cloud Computing
- Problems with Server-Based Infrastructures
- Cloud Models
- Introduction
- Summary