

# 220-1101-02: CompTIA A+ Certification: Part 5 of 9: Operating Systems and Installation

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**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:** This course assumes the user has little to experience with computer hardware or software.

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**Course description:** In this course for the CompTIA A+ 1101-1102 exam, we will exam Operating systems as well as what tasks need to be done before an install, perform a clean installation and upgrade.

## Course outline:

### Operating Systems Overview

- Introduction
- Operating systems
- OS Types
- OS History
- Current Windows Operating Systems
- Unix-Linux
- Macintosh
- Summary

### OS Functions

- Introduction
- Operating System Functions
- Reading and Writing Data
- Managing Applications
- Application Categories
- Controlling Hardware
- Managing Device Drivers
- Demo: PC Settings
- Summary

### Basic Navigation and Management

- Introduction
- Basic Navigation and Management
- Demo: Navigating Operating Systems
- File Explorer
- Demo: File Explorer
- Summary

### Pre-Installation Tasks

- Introduction
- PreInstallation Tasks
- Installation Types

- Installation Best Practices
- Summary

### Performing Clean Installs

- Introduction
- Choosing the File System
- Installation Methods
- Manual Attended Installation
- Disk Imaging
- Best Practices
- Boot Methods
- Post Installation Tasks
- Demo: Installing Windows 10
- Demo: Post Installation Tasks
- Summary

### Performing Upgrades

- Introduction
- Performing Upgrades
- Pre-Upgrade Tasks
- Summary