

Configuring Windows Devices, Part 2 of 8: Deployment

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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 is part 2 in the series.

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Course description: A number of new features have been added to or enhanced with Windows 10. This course explains both Standard and Enterprise Deployment. Virtualization is the name of the game so it then talks about Hyper-V, how to create and manage Virtual machines and manage storage and snapshots. This course is part of the 70-697 exam preparation.

Course outline:

Preparing for Windows 10 Deployment

- Introduction
- Deploy the Operating System
- Prepare for Deployment
- Demo: Windows 10 Versions
- 32- and 64-Bit Versions
- Installation Requirements
- Compatibility
- Compatibility Center
- Application Compatibility Toolkit
- Demo: Windows Assessment and Deployment Kit
- Installation Options
- Installation Types
- Summary

Standard Windows 10 Deployment

- Introduction
- Installation Options
- Overview of Image Based Deployment
- Windows to Go
- Boot to Native VHD
- Demo: Manual Installation
- Upgrading
- Upgrade Process
- Demo: In-Place Upgrade
- Migrating
- Migration Process
- Migration Tools
- Upgrade Failure
- Demo: Revert an Upgrade

- Summary

Image-Based Installation

- Introduction
- Enterprise Deployment Strategies
- Image Based Deployment Process
- Overview of Image-Based Deployment Continued
- Automating Installations
- Answer Files
- Reference Systems
- SYSPREP
- Demo: SYSPREP
- Summary

Automation and Installation

- Introduction
- Windows PE
- Automating Installations
- DISM
- Demo: DISM
- Windows Activation
- Volume Activation Technologies
- KMS Activation
- Active Directory Based Activation
- Summary

Introduction to Client Hyper-V

- Introduction
- Virtual Windows 10 Desktops
- Introduction to Client Hyper-V
- Demo: Client Hyper-V
- Summary

Creating Virtual Machines

- Introduction
- Creating Virtual Machines

- Virtual Machine Components
- Import and Export Virtual Machines
- Demo: Create a Virtual Machine
- Demo: Virtual Machine Settings
- Summary

Manage VM Storage and Snapshots

- Introduction
- Virtual Machine Storage
- VHD and VHDX
- Checkpoints
- Demo: Managing VHDs and Snapshots
- Summary
- Summary