

# Introduction to Windows Server 2016 for Beginners

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## Course Curriculum

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### Section 1: Course Introduction

- Understanding the Client-Server Architecture
- Why Windows Server 2016 in 2019 and Beyond?
- Introduction to Virtualization
- Virtualization Live Demo

### Section 2: Initial VirtualBox Set-Up & Operating System Installation

- VirtualBox Prerequisites & Requirements
- Download & Install VirtualBox
- Download Windows Operating System ISO Files
- Create VirtualBox Virtual Machines
- Install Windows 10 Enterprise Operating System
- Install Windows Server 2016 Operating System
- Installing Windows Updates

### Section 3: VirtualBox Troubleshooting

- VirtualBox Community Forum, BugTracker, and Documentation
- Dealing with Low Memory Errors
- Shutting Down Unresponsive Virtual Machines

### Section 4: Setting Up Our Sandbox Testing Environment

- Setting Up Our Sandbox Internal LAN
- VirtualBox Snapshots Deeper Dive
- Cloning our Windows 10 Virtual Machine

### Section 5: Navigating Windows Server 2016

- Introducing Server Manager
- Managing Local User Accounts
- Task Manager Overview
- Understanding the Start Menu
- Using the Search Feature
- Computer Management Overview
- Windows Administrative Tools
- Adding Desktop Icons

## Section 6: Active Directory Fundamentals

- Introduction to Active Directory
- Active Directory Installation & Configuration
- Changing Domain Controller's Name
- Adding Computers to Active Directory
- Managing Active Directory User Accounts
- Creating Active Directory User Home Folders
- Creating Active Directory Basic Logon Script
- Set Up Active Directory Roaming User Profiles

## Section 7: Introduction to DHCP

- Introduction to DHCP
- DHCP Installation & Scope Configuration

## Section 8: DNS and Name Resolution Overview

- Introduction to Domain Name System (DNS)
- Name Resolution Process Overview
- Exploring Windows Server DNS

## Section 9: Internet Information Services (IIS) Overview

- IIS Web Server Installation & Website Configuration

## Section 10: Introduction to Print Services

- Deploying Printers via Print Services
- Verifying and Managing Printers via Web Interface

## Section 11: Active Directory Groups and OUs Overview

- Understanding Active Directory Groups
- Active Directory Organizational Units Overview
- Exploring AD Groups and OUs
- Delegating Organizational Unit Control

## Section 12: Introduction to Group Policy Management

- Understanding Active Directory Group Policies
- Deploying a Desktop Background to Our Entire Domain
- Assigning a Logon Banner GPO to a Specific OU

## Section 13: Exploring NTFS and Share Permissions

- Introduction to NTFS and Share Permissions
- Creating a Public Share with Share and NTFS Permissions

## Section 14: Setting Users Quotas with File Server Resource Manager (FSRM)

- Installing and Exploring File Server Resource Management (FRSM)
- Setting User Quotas in Windows Server
- Exploring NTFS Quotas

## Section 15: Enabling Remote Desktop Protocol (RDP)

- Enabling Remote Desktop Protocol (RDP)

## Section 16: Utilizing Windows Server Update Services (WSUS)

- WSUS Overview and Installation
- WSUS Initial Configuration and Synchronization
- WSUS Dashboard Walk-Through
- WSUS Client Computer Group Policy Configuration
- Approving WSUS Updates for Deployment

## Section 17: Windows Server Backups Overview

- Exploring the Windows Server Backup Feature

## Section 18: Introduction to PowerShell

- Introduction to Microsoft PowerShell
- Adding New AD User Accounts with PowerShell
- Unlocking, Enabling and Disabling AD User Accounts with PowerShell
- Adding AD Groups with PowerShell
- Adding AD Organizational Units with PowerShell