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**Deploying and Migrating  
Windows Servers**

3 DAYS

Get hands-on instruction and practice deploying and migrating roles and services with Windows Server 2012 and Windows Server 2012 R2 in this three-day Microsoft Official Course. In this course, you will learn how to plan for and deploy your Windows Server infrastructure in physical, virtual, and cloud environments. You will learn about different deployment methodologies and techniques, as well as general imaging usage and configuration. You will also learn how to use Windows Deployment Services (WDS) and how to work with deployment tools such as the Windows Assessment and Deployment Toolkit (Windows ADK), the Microsoft Assessment and Planning Toolkit (MAP), and the Microsoft Deployment Toolkit (MDT). You will also learn how to plan for virtualizing server workloads and considerations around technologies available for networking and storage, as well as considerations for specific applications such as SQL, Exchange, and other application workloads.

**Module 1: Preparing to Deploy Windows Server 2012**

Planning a Windows Server 2012 Implementation  
Installing Windows Server 2012  
Configuring and Managing Servers Remotely  
Implementing a Volume Licensing Strategy

**Module 2: Deploying Windows Server 2012**

Selecting a Suitable Deployment Method  
The Windows Assessment and Deployment Toolkit  
Overview of Image Files in the Deployment Process  
Working with Unattended Answer Files

**Module 3: Implementing Lite-Touch Deployments**

Overview of MDT 2013  
Implementing Windows Deployment Services to Support Lite-Touch Deployments  
Configuring Microsoft Deployment Toolkit  
Performing Lite-Touch Deployments

**Module 4: Planning to Virtualize Workloads**

Planning Server Virtualization Deployments  
Implementing Server Virtualization by Using Hyper-V  
Designing Virtual Machines

## Module 5: Upgrading and Migrating Networking Services

Migrating the DHCP Server Role  
Migrating the DNS Server Role  
Implementing IPAM

## Module 6: Upgrading and Migrating Server Roles

Upgrading and Migrating File Servers  
Migrating Web and Application Servers

## Module 7: Upgrading and Migrating AD DS

Overview of Windows Server 2012 AD DS Upgrade and Migration  
Upgrading Domain Controllers to Windows Server 2012  
Restructuring an Active Directory Domain  
Migrating Active Directory Certificate Services

## Module 8: Migrating to Microsoft Azure

Extending Virtualization to the Cloud Environment  
Overview of Azure Active Directory  
Implementing Azure Active Directory