



To register or for more information call our office (208) 898-9036 or email [register@leapfoxlearning.com](mailto:register@leapfoxlearning.com)



## 20414 Implementing an Advanced Server Infrastructure

Duration: Five Days

### Overview

In this course, students will learn how to plan and implement some of the more advanced features available in Windows Server 2012.

### Who Should Attend

This course is intended for Information Technology (IT) professionals who are responsible for planning, designing and deploying a physical and logical Windows Server 2012 enterprise and Active Directory Domain Services (AD DS) infrastructures including the network services.

### Prerequisite(s) or equivalent knowledge

20413 Designing and Implementing a Server Infrastructure

### Outline

#### Lesson 1: Planning and Implementing a Server Virtualization Strategy

- Overview of System Center 2012 Components
- Integrating System Center 2012 and Server Virtualization
- Planning and Implementing a Server Virtualization Host Environment
- Lab : Planning and Implementing a Server Virtualization Strategy

#### Lesson 2: Planning and Implementing Networks and Storage for Virtualization

- Planning a Storage Infrastructure for Virtualization
- Implementing a Storage Infrastructure for Virtualization
- Planning and Implementing a Network Infrastructure for Virtualization
- Lab : Planning and Implementing Virtualization Networks and Storage

#### Lesson 3: Planning and Deploying Virtual Machines

- Planning Virtual Machine Configuration
- Preparing for Virtual Machine Deployments with VMM
- Deploying Virtual Machines
- Lab : Planning and Implementing a Virtual Machine Deployment and Management Strategy

#### Lesson 4: Planning and Implementing a Virtualization Administration Solution

- Planning and Implementing Microsoft System Center Administration
- Planning and Implementing Self-Service with System Center
- Planning and Implementing Automation with System Center
- Lab : Planning and Implementing a Virtualization Administration Solution

#### Lesson 5: Planning and Implementing a Server Monitoring Strategy

- Planning Monitoring in Windows Server 2012
- Overview of System Center Operations Manager
- Planning and Configuring Monitoring Components

Configuring Integration with VMM  
Lab : Implementing a Server Monitoring Strategy

**Lesson 6:** Planning and Implementing High Availability for File Services and Applications

Planning and Implementing Storage Spaces  
Planning and Implementing DFS  
Planning and Implementing Network Load Balancing  
Lab : Planning and Implementing High Availability for File Services and Applications

**Lesson 7:** Planning and Implementing a Highly Available Infrastructure Using Failover Clustering

Planning a Failover Clustering Infrastructure  
Implementing Failover Clustering  
Integrating Failover Clustering with Server Virtualization  
Planning a Multi-Site Failover Cluster  
Lab : Planning and Implementing a Highly Available Infrastructure Using Failover Clustering

**Lesson 8:** Planning and Implementing an Server Updates Infrastructure

Planning and Implementing a Windows Server Update Services (WSUS) Deployment  
Planning Software Updates with System Center 2012 Configuration Manager  
Planning and Implementing Updates in a Server Virtualization Infrastructure  
Lab : Planning and Implementing an Update Remediation Infrastructure

**Lesson 9:** Planning and Implementing a Business Continuity Strategy

Overview of Business Continuity Planning  
Planning and Implementing Backup Strategies  
Planning and Implementing Recovery  
Planning and Implementing Virtual Machine Backup and Recovery  
Lab : Implementing a Virtual Machine Backup Strategy with Data Protection Manager

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