



HEROTEC

NETWORK PROFESSIONAL TRAINING

Course 20-414 C: Implementing an Advanced Server Infrastructure

Related Certificate	MCSE Infrastructure
Course ID	Course 20-414C
Related Exams	70-414
Audience	IT Professional
Hours	40

Overview:

This course covers the knowledge and skills to plan and implement a highly available, secure infrastructure with focus on Active Directory Federation Service (AD FS), public key infrastructure (PKI), and Active Directory Rights Management Services (AD RMS). You will also learn the skills needed to plan and deploy virtual machines including self-service and automation of virtual machine deployments as well as planning and implementing a monitoring strategy that includes Microsoft System Center 2012 R2-Operations Manager.

Objectives:

- Describe an enterprise data center.
- Plan and implement a server virtualization strategy using System Center 2012.
- Plan and implement the network and storage infrastructure required to deploy a virtualized server infrastructure.
- Plan and deploy virtual machines on Windows Hyper-V.
- Plan and implement a virtualization administration solution by using System Center 2012.
- Plan and implement a server monitoring strategy using the Windows Server 2012 tools and using Microsoft System Center 2012 - Operations Manager.
- Plan and implement an application and a file services infrastructure that is highly available.
- Plan and implement a highly available server infrastructure by using the failover clustering features in Windows Server 2012.
- Plan and implement a business continuity strategy in a Windows Server 2012 environment.
- Plan and implement a PKI deployment, and plan and implement a certificate management solution.
- Plan and implement an AD FS server deployment and claims aware application access.
- Plan and implement Dynamic Access Control, Workplace Join and Work Folders.
- Plan and implement an AD RMS deployment, plan and manage AD RMS templates and access, and plan and implement external access to AD RMS services.

Outlines:

Module 1: Overview of Management in an Enterprise Data Center

Module 2: Planning and Implementing a Server Virtualization Strategy

Module 3: Planning and Implementing Networks and Storage for Virtualization

Module 4: Planning and Deploying Virtual Machines

Module 5: Planning and Implementing a Virtualization Administration Solution

Module 6: Planning and Implementing a Server Monitoring Strategy

Module 7: Planning and Implementing High Availability for File Services and Applications

Module 8: Planning and Implementing a High Availability Infrastructure Using Failover Clustering

Module 9: Planning and Implementing a Business Continuity Strategy

Module 10: Planning and Implementing an Public Key Infrastructure

Module 11: Planning and Implementing an Identity Federation Infrastructure

Module 12: Planning and Implementing Data Access for Users and Devices

Module 13: Planning and Implementing an Information Rights Management Infrastructure

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