5 Days

13969: Active Directory Services With Windows Server 2012

Active Directory Services with Windows Server 2012 is a five-day training course that provides the knowledge and skills needed to effectively manage and protect data access and information, simplify deployment and management of your identity infrastructure, and provide more secure access to data.

The 10969B course offers hands-on instruction and practical labs to administer Active Directory technologies in Windows Server 2012 and Windows Server 2012 R2.

Completion of the course will enable candidates to:

- Understand available solutions for identity management.

- Deploy and administer AD DS in Windows Server 2012.

- Secure AD DS deployment.

- Manage user settings with Group Policy

- Implement AD DS sites, configure and manage replication

- Implement and manage Group Policy

- Implement Windows Azure Active Directory.

- Implement certification authority (CA) hierarchy with AD CS.

- Implement, deploy and manage certificates.

- Implement and manage AD RMS.

- Implement and administer AD FS.

- Implement and administer AD LDS (Active Directory Lightweight Directory Services).

- Secure and provision data access using Dynamic Access Control, Work Folders, and Workplace Join.

Course Details

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Course Outline

Module 1: Overview of Access and Information Protection

- Overview to Access and Information Protection Solutions in Business

- AIP Solutions in Windows Server 2012

- FIM 2010 R2

Module 2: Advanced Deployment and Administration of AD DS

- Deploy AD DS

- Deploy and Cloning Virtual Domain Controllers

- Deploy Domain Controllers in Windows Azure

- Administer AD DS

Module 3: Securing AD DS

- Securing Domain Controllers

- Implement Audit Authentication

- Implement Account Security

Module 4: Administer and Implement AD DS Sites and Replication

- AD DS Replication Overview

- Configure AD DS Sites

- Configure and Monitoring AD DS Replication

Module 5: Implement Group Policy

- Introduction to Group Policy

- Implement and Administer GPOs

- Troubleshoot the Application of GPOs

- Group Policy Scope and Group Policy Processing

Module 6: Managing User Settings with Group Policy

- Implement Administrative Templates

- Configure Group Policy Preferences

- Configure Folder Redirection and Scripts

Module 7: Deploy and Manage AD CS

- Deploy CAs

- Administer CAs

- Troubleshoot, Maintain, and Monitor CAs

Module 8: Deploy and Manage Certificates

- Using Certificates in a Business Environment

- Deploy and Managing Certificate Templates

- Manage Certificates Deployment, Revocation, and Recovery

- Implement and Managing Smart Cards

Module 9: Implement and Administer AD RMS

- Overview of AD RMS

- Deploy and Managing an AD RMS Infrastructure

- Configure AD RMS Content Protection

- Configure External Access to AD RMS

Module 10: Implement and Administer AD FS

- Overview of AD FS

- Deploy AD FS

- Implement AD FS for a Single Organization

- Deploy AD FS in a Business-to-Business Federation Scenario

- Extending AD FS to External Clients

Module 11: Implement Secure Shared File Access

- Overview of Dynamic Access Control

- Implement DAC Components

- Implement DAC for Access Control

- Implement and Managing Work Folders

- Implement Access Denied Assistance

- Implement Workplace Join

Module 12: Monitor, Manage, and Recover AD DS

- Monitoring AD DS

- Managing the AD DS Database

- AD DS Backup and Recovery Options for AD DS and Other Identity and Access Solutions

Module 13: Implement Windows Azure Active Directory

- Overview of Windows Azure AD

- Manage Windows Azure AD Accounts

Module 14: Implement and Administer AD LDS

- Overview of AD LDS

- Deploy AD LDS

- Configure AD LDS Instances and Partitions

- Configure AD LDS Replication

- Integrate AD LDS with AD DS

Who Should Attend

This Active Directory Services with Windows Server training course is intended for:

- AD DS Administrators who want to develop skills in the latest Access and Information Protection technologies with Windows Server 2012 and Windows Server 2012 R2.

- System or Infrastructure administrators with general AD DS experience and knowledge who want to build knowledge and cross-train into advanced Active Directory technologies in Windows Server 2012 and Windows Server 2012 R2.

- IT Professionals who have already taken the 10967A: Fundamentals of a Windows Server Infrastructure course and are looking to build upon that Active directory knowledge.

Pre Requisite

Before attending this course, candidates must possess:

- Understanding of general security best practices

- Experience with Active Directory Domain Services (AD DS)

- Experience in a Windows Server Infrastructure enterprise environment

- Experience with Hyper-V and Server Virtualization concepts

- Experience working with and Troubleshoot core networking infrastructure technologies

- Experience with Windows client operating systems

Date - Mar 29, 2024