凱風電腦有限公司 |Gallant Computer Company Ltd.
Hotline: 2833 3816
Fax: 2851 6452
Email: info@gallantcomputer.com
Website: www.gallantcomputer.com

(10969B) – Active Directory Services with Windows Server

OBJECTIVE

Get Hands on instruction and practice administering Active Directory technologies in Windows Server 2012 and Windows Server 2012 R2 in this Microsoft Official Course? You will learn the skills you need to better manage and protect data access and information, simplify deployment and management of your identity infrastructure, and provide more secure access to data. You will learn how to configure some of the key features in Active Directory such as Active Directory Domain Services (AD DS), Group Policy, Dynamic Access Control (DAC), Work Folders, Work Place Join, Certificate Services, Rights Management Services (RMS), Federation Services, as well as integrating your on premise environment with cloud based technologies such as Windows Azure Active Directory. As part of the learning experience, you will perform hands-on exercises in a virtual lab environment.

COURSE TOPICS

Module 1: Overview of Access and Information Protection

- Introduction to Access and Information Protection Solutions in Business
- Overview of AIP Solutions in Windows Server 2012
- Overview of FIM 2010 R2

Module 2: Advanced Deployment and Administration of AD DS

- Deploying AD DS
- Deploying and Cloning Virtual Domain Controllers
- Deploying Domain Controllers in Windows Azure
- Administering AD DS

Module 3: Securing AD DS

- Securing Domain Controllers
- Implementing Account Security
- Implementing Audit Authentication

Module 4: Implementing and Administering AD DS Sites and Replication

- Overview of AD DS Replication
- Configuring AD DS Sites
- Configuring and Monitoring AD DS Replication

Module 5: Implementing Group Policy

- Introducing Group Policy
- Implementing and Administering GPOs
- Group Policy Scope and Group Policy Processing
- Troubleshooting the Application of GPOs

Module 6: Managing User Settings with Group Policy

- Implementing Administrative Templates
- Configuring Folder Redirection and Scripts
- Configuring Group Policy Preferences

Module 7: Deploying and Managing AD CS

- Deploying CAs
- Administering CAs
- Troubleshooting, Maintaining, and Monitoring CAs

Module 8: Deploying and Managing Certificates

- Using Certificates in a Business Environment
- Deploying and Managing Certificate Templates
- Managing Certificates Deployment, Revocation, and Recovery
- Implementing and Managing Smart Cards

Module 9: Implementing and Administering AD RMS

- Overview of AD RMS
- Deploying and Managing an AD RMS Infrastructure
- Configuring AD RMS Content Protection
- Configuring External Access to AD RMS

Module 10: Implementing and Administering AD FS

- Overview of AD FS
- Deploying AD FS
- Implementing AD FS for a Single Organization
- Deploying AD FS in a Business-to-Business Federation Scenario
- Extending AD FS to External Clients

Module 11: Implementing Secure Shared File Access

- Overview of Dynamic Access Control
- Implementing DAC Components
- Implementing DAC for Access Control
- Implementing Access Denied Assistance
- Implementing and Managing Work Folders
- Implementing Workplace Join

Module 12: Monitoring, Managing, and Recovering 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: Implementing Windows Azure Active Directory

- Overview of Windows Azure AD
- Managing Windows Azure AD Accounts

Module 14: Implementing and Administering AD LDS

- Overview of AD LDS
- Deploying AD LDS
- Configuring AD LDS Instances and Partitions
- Configuring AD LDS Replication
- Integrating AD LDS with AD DS

After completing this course, students will be able to:

- Understand available solutions for identity management and be able to address scenarios with appropriate solutions.
- Deploy and administer AD DS in Windows Server 2012.
- Secure AD DS deployment.
- Implement AD DS sites, configure and manage replication
- Implement and manage Group Policy
- Manage user settings with Group Policy
- Implement certification authority (CA) hierarchy with AD CS and how to manage CAs.
- Implement, deploy and manage certificates.
- Implement and manage AD RMS.
- Implement and administer AD FS.
- Secure and provision data access using technologies such as Dynamic Access Control, Work Folders and Workplace Join
- Monitor, troubleshoot and establish business continuity for AD DS services.
- Implement Windows Azure Active Directory.
- Implement and administer Active Directory Lightweight Directory Services (AD LDS).

PREREQUISITES

Before attending this course, students must have:

- Experience working with Active Directory Domain Services (AD DS)
- Experience working in a Windows Server Infrastructure enterprise environment
- Experience working with and troubleshooting core networking infrastructure technologies such as name resolution, IP Addressing, Domain Name System (DNS) and Dynamic Host Configuration Protocol (DHCP)
- Experience working with Hyper-V and Server Virtualization concepts
- An awareness and understanding of general security best practices

- Experience working hands on with Windows client operating systems such as Windows Vista, Windows 7 or Windows 8

TRAINING APPROACH

This course includes lectures, course notes, exercises and hands-on practice.

COURSE DURATION

24 Hours (in 3 days)

CERTIFICATION COMPLETION

A certificate of completion is provided for all trainees attending the course