

## **ITMC 2072**

### **Course Syllabus**

**1. Name of Course:** Configuring and Troubleshooting Identity and Access Solutions with Windows Server 2008

**2. Number of Clock Hours:** 24

#### **3. Course Description:**

This course provides the knowledge and skills that IT Professionals need to configure identity and access solutions with Windows Server 2008 Active Directory. MOC 6426. Prerequisites: MCTS plus ITMC 2071 or equivalent.

#### **4. Course Objectives**

After completing this course, students will be able to:

- Describe identity and access solutions.
- Configure Active Directory Certificate Services.
- Deploy and manage certificates.
- Configure Active Directory Lightweight Directory Services.
- Configure Active Directory Federation Services.
- Configure Active Directory Rights Management Services.
- Maintain access management solutions.
- Troubleshoot identity and access solutions.

#### **5. Rationale:**

Upon completion of this course, students will have a better understanding of Microsoft Windows 2008, the most popular operating system in use today.

#### **6. Required Materials:**

Microsoft Official Curriculum, MOC 6426, included.

#### **7. Evaluation**

Those who participate in class discussions, complete course lab work, and miss no more than three class meetings will be awarded 2.4 continuing education units.

#### **8. Course Outline**

### **Module 1: Exploring Identity and Access Solutions**

After completing this module, students will be able to explore identity and access solutions.

## **Lessons**

- Overview of Identity and Access Management
- Active Directory Server Roles in Identity and Access Management
- Identity Lifecycle Manager

## **Lab: Exploring Identity and Access Solutions 2008**

- Exploring how Active Directory server roles will provide identity and access management solutions

After completing this module, students will be able to:

- Describe identity and access management.
- Identify Active Directory server roles in identity and access management.
- Understand Identity Lifecycle Manager.

## **Module 2: Configuring Active Directory Certificate Services**

After completing this module, students will be able to configure Active Directory Certificate Services.

## **Lessons**

- Overview of Public Key Infrastructure
- Deploying a Certification Authority Hierarchy
- Installing Active Directory Certificate Services
- Managing a Certification Authority

## **Lab: Configuring Active Directory Certificate Services**

- Installing AD CS as an Enterprise Root CA
- Installing Enterprise Subordinate CA
- Configuring CA
- Configuring AD CS

After completing this module, students will be able to:

- Describe Public Key Infrastructure.
- Deploy a Certification Authority hierarchy.
- Install Active Directory Certificate Services.
- Manage a Certification Authority.

## **Module 3: Deploying and Managing Certificates**

After completing this module, students will be able to deploy and manage certificates.

## **Lessons**

- Deploying Certificates by Using AD CS
- Deploying Certificates by Using Autoenrollment
- Revoking Certificates
- Configuring Certificate Templates
- Configuring Certificate Recovery

### **Lab: Deploying and Managing Certificates**

- Issuing and Automating the Issuing of Certificates by Using AD CS
- Managing Enrollment
- Revoking Certificates
- Configuring and Issuing Certificate Templates
- Configuring Certificate Recovery

After completing this module, students will be able to:

- Deploy certificates by using AD CS.
- Use autoenrollment to deploy certificates.
- Revoke certificates.
- Configure certificate templates.
- Configure certificate recovery.

## **Module 4: Configuring Active Directory Lightweight Directory Services**

After completing this module, students will be able to configure Active Directory Lightweight Directory Services.

## **Lessons**

- Installing and Configuring AD LDS
- Configuring AD LDS Instances
- Configuring AD LDS Replication
- Configuring AD LDS Integration with AD DS

### **Lab: Configuring Active Directory Lightweight Directory Services**

- Installing and Configuring AD LDS
- Creating AD LDS Partitions and Instances
- Configuring AD LDS Replication Discussions about Exercise 1-3 results

After completing this module, students will be able to:

- Install and configure AD LDS.
- Configure AD LDS instances.

- Configure AD LDS replication.
- Configure AD LDS integration with AD DS.

## **Module 5: Configuring Active Directory Federation Services**

After completing this module, students will be able to configure Active Directory Federation Services.

### **Lessons**

- Overview of AD FS
- AD FS Deployment Scenarios
- Deploying AD FS
- Implementing AD FS Claims

### **Lab: Configuring AD FS**

- Installing AD FS in the Partner and Account Organization
- Configuring AD FS Proxy Servers
- Configuring Web Application Server
- Configuring Claims Aware Application
- Testing the Functionality of AD FS
- Installing Identity Management for UNIX (Server-only)

After completing this module, students will be able to:

- Describe AD FS.
- Understand AD FS deployment scenarios.
- Deploy AD FS.
- Implement AD FS claims.

## **Module 6: Configuring Active Directory Rights Management Services**

After completing this module, students will be able to configuring Active Directory Rights Management Services.

### **Lessons**

- Overview of AD RMS
- Installing and Configuring AD RMS Server Components
- Administering AD RMS
- Implementing AD RMS Trust Policies

### **Lab: Configuring Active Directory Rights Management Services**

- Installing and Configuring AD RMS

- Configuring ADRMS Client Settings and AD RMS Templates
- Testing AD RMS Functionality

After completing this module, students will be able to:

- Describe AD RMS.
- Install and configure AD RMS server components.
- Administer AD RMS.
- Implement AD RMS trust policies.

## **Module 7: Maintenance of Access Management Solutions**

After completing this module, students will be able to maintain access management solutions.

### **Lessons**

- Support for AD CS
- Maintenance of AD LDS
- Long-term support for AD FS
- Preservation of AD RMS

### **Lab: Maintaining Access Management Solutions**

- Maintaining AD CS
- Maintaining AD LDS
- Maintaining AD FS
- Maintaining AD RMS

After completing this module, students will be able to:

- Support AD CS.
- Maintain AD LDS.
- Provide long-term support for AD FS.
- Preserve AD RMS.

## **Module 8: Troubleshooting Identity and Access Solutions**

After completing this module, students will be able to Design Active Directory disaster recovery in Windows Server 2008.

### **Lessons**

- Troubleshooting AD CS
- Troubleshooting AD LDS
- Troubleshooting AD FS

- Troubleshooting AD RMS

### **Lab: Troubleshooting Active Directory Server Roles**

- Troubleshooting AD CS
- Troubleshooting AD LDS
- Troubleshooting AD FS
- Troubleshooting AD RMS

After completing this module, students will be able to:

- Troubleshoot AD CS.
- Troubleshoot AD LDS.
- Resolve AD FS issues.
- Solve AD RMS problems.