

Course ID

**MS-
ACTIVDIR**

Course Duration

4 days

Course Title

**Planning, Implementing, and Maintaining the Microsoft
Server 2003 Active Directory Infrastructure**

**Related
Courses**

- Microsoft Windows Server 2003: Maintenance and Management (MS-WINSERVE, 2 days)

Aimed At

I/T professionals who're seeking employment as network administrators or those already in network administration who wish to upgrade their job skills.

**Ideal Group
Size**

5-15

Prerequisites

- General familiarity with networking, and operating systems
- Six months of practical work experience

**Course
in a Nutshell**

Are you a network administrator looking to upgrade your job skills or to get ready to apply for certification? Or are you an information technology professional seeking employment as a network administrator? Either way, this course can provide the help you need.

This course provides an in-depth coverage of all major facets of the Microsoft Active Directory structure including the naming convention and role of DNS servers, logical and physical components of Active Directory, managing domains and organizational units, replication management, operation masters, and maintenance and security issues pertinent to the optimal performance of the Microsoft Active Directory.

Customize It!

Customize this course to your specific background and job requirements at little-to-no additional cost. We'll tailor the topics included in the course, the emphasis placed on each topic, the pace of coverage, and the choice of hands-on exercises to suit your needs. If you have an interest in a particular area, let us know, so we can be sure to address it.

Learn How To

- Describe the logical and physical components of Active Directory
- Create and configure a domain structure
- Plan and implement an organizational unit structure
- Plan and configure a group policy strategy
- Plan and implement placement of domain controllers, DNS servers, and global catalogues
- Plan and manage fault tolerance and security of Active Directory

**Course
Outline**

- Introduction to Active Directory
 - What is Active Directory?
 - The naming convention used in Active Directory
 - Role of DNS servers
 - Objects, attributes, and the schema
- Active Directory Architecture
 - Logical and physical components of Active Directory
 - Forests, trees, and domains
 - Sites, domain controllers, and replication traffic
 - Trust relationships between domains
- Organizational Units Management
 - Creating OUs
 - Placing objects in an OU
 - Planning an OU strategy
 - Modifying OU structures, and membership
- Implementing Group Policy
 - Introduction to group policies
 - Configuring a Group Policy Object (GPO)
 - Managing GPOs
 - Delegating administration of group policies
 - Planning a group policy strategy
 - Deploying software by group policy
- Sites , User Authentication, and Replication
 - Configuring sites
 - Authenticating users in a site
 - Site topology
 - Replication traffic management
- Domain Controller Placement and Operation Masters
 - Global catalogues
 - Planning domain controller placement in Active Directory
 - Operation masters configuration and management issues
- Maintenance and Security of Active directory
 - Introduction to Active Directory maintenance
 - Backup, defragmentation, and restoration of Active Directory
 - Kerberos authentication system
 - Monitoring Active Directory
 - Securing assets in Active Directory

**How You Will
Learn**

- An experienced I/T professional will teach this class in workshop (interactive lecture/lab) format.
- Hands-on exercises will help you understand each topic and make a bridge from theory to application.
- The instructor will offer real-life examples, applications, and case studies to enrich the class and drive home the essential points.

- You'll learn dos and don'ts, both the tricks of the trade as well as the hidden pitfalls.
- The participant handbooks will provide you with a structure to which you can add information and insight provided in real-time, turning it into a valuable reference resource you can take back to your job.

Revised

Oct. 25, 2005