

Windows Server - implementing Active Directory services

Course code: GOC220

Five-days instructor-led course covering basics to details of deploying and implementing Active Directory and Group Policy including their mutual requirements with DNS service infrastructure. Students learn all the options available with a primary goal of being able to troubleshoot the function and Group Policy application on computer both locally and remotely. The training also covers the understanding of LDAP database structure, the domains, configuration and schema of a forest. Backup and restore methodology is also an integral part of the training.

Prerequisites

Knowledge in extent of the courses which are listed in the below sections **Previous Courses** and **Related Courses**

Good understanding of TCP/IP and DNS technologies

Course outline

Installing AD DS domain controllers
Creating and managing user accounts
Group scopes and group types in Active Directory
Organizational units and their hierarchy
AD permissions and their delegation to low privileged administrators
Installation of additional DCs and AD replication basics
Sites and subnets in Active Directory
DNS integration with AD DS
Backup and restore of AD domain controllers (DCs)
Basics and principles of Group Policy
Group Policy options such as security filtering or WMI filtering
Group Policy Preferences and their options
Managing SYSVOL replication and DFSR
SMB shared files and their replication with DFSR
DFS Namespaces and SMB file shares
SMB file share access control
Introduction to integration with Azure Active Directory (Azure AD)

Preparation for Microsoft certification

Most Microsoft certification exams do not require students to attend an official MOC course in order to pass the exam.

This applies to all certifications except for MCM

Official Microsoft MOC courses as well as our own GOC courses are good ways of preparation for Microsoft certifications such as MCP, MTA, MCSA, MCSE or MCM

This does not mean that official MOC courses would serve as the only necessary preparation. The primary goal of an MOC course is to provide for sufficient theoretical knowledge and practical experience to effectively work with the related product

MOC courses usually cover most of the topics required by their respective certification exams, but often do not give every topic the same amount of time and emphasis as may be required to completely pass the exam

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