



Computer Consultants Corporation

Planning, Implementing, & Maintaining a Windows 2003 Active Directory Infrastructure Exam 70-294

Length of course: 4 class days (24 hours)

Prerequisites: The Windows 2000 or Windows XP Client Administration class.

Learning Objectives: This class is designed for network engineers who are entrusted with the task of designing, implementing and supporting Active Directory in a network running Windows 2003 Server. The class prepares the participant for the MS-Exams 70-294.

Planning and Implementing an AD Infrastructure

- Plan a strategy for placing global catalog servers
- Evaluate network traffic considerations when placing global catalog servers
- Evaluate the need to enable universal group caching
- Plan flexible operations master role placement
- Plan for business continuity of operations master roles
- Identify operations master role dependencies

Implement an AD directory service forest and domain

- Create the forest root domain
- Create a child domain
- Create and configure Application Data Partitions
- Install and configure an Active Directory domain controller
- Set an Active Directory forest and domain functional level based on requirements
- Establish trust relationships
- Implement an Active Directory site topology
- Configure site links
- Configure preferred bridgehead servers

Manage an Active Directory site

- Configure replication schedules
- Configure site link costs
- Configure site boundaries
- Plan an administrative delegation strategy
- Plan an organizational unit (OU) structure
- Plan a security group hierarchy
- Managing and Maintaining an AD Infrastructure
- Manage an AD forest and domain structure
- Manage trust relationships
- Manage schema modifications
- Add or remove a UPN suffix

Monitor Active Directory replication failures

- Monitor Active Directory replication
- Monitor File Replication service (FRS) replication

Restore Active Directory directory services

- Perform an authoritative restore operation
- Perform a non-authoritative restore operation

Troubleshoot Active Directory

- Diagnose and resolve issues related to replication
- Diagnose and resolve issues related to operations master role failure
- Diagnose and resolve issues related to the Active Directory database

Planning and Implementing User, Computer, and Group Strategies

- Plan a security group strategy
- Plan a user authentication strategy
- Plan a smart card authentication strategy
- Create a password policy for domain users

Planning and Implementing Group Policy

Plan Group Policy strategy

- Plan a Group Policy strategy by using Resultant Set of Policy (RSoP) Planning mode
- Plan a strategy for configuring user and computer environment using Group Policy
- Distribute software by using Group Policy
- Automatically enroll user certificates by using Group Policy
- Redirect folders by using Group Policy
- Configure user security settings by using Group Policy

Managing and Maintaining Group Policy

- Troubleshoot issues related to Group Policy application deployment (RSoP & gpresult)
- Maintain installed software by using Group Policy
- Distribute updates to software distributed by Group Policy
- Configure automatic updates for network clients by using Group Policy