

## Skills measured by exam 70-294

### Planning and Implementing an Active Directory 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 Active Directory directory service forest and domain structure.

- 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. Types of trust relationships might include external trusts, shortcut trusts, and cross-forest trusts.

Implement an Active Directory site topology.

- Configure site links.
- Configure preferred bridgehead servers.

Plan an administrative delegation strategy.

- Plan an organizational unit (OU) structure based on delegation requirements.
- Plan a security group hierarchy based on delegation requirements.

### Managing and Maintaining an Active Directory Infrastructure

Manage an Active Directory forest and domain structure.

- Manage trust relationships.
- Manage schema modifications.
- Add or remove a UPN suffix.

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Manage an Active Directory site.

- Configure replication schedules.
- Configure site link costs.
- Configure site boundaries.

Monitor Active Directory replication failures. Tools might include Replication Monitor, Event Viewer, and support tools.

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

Restore Active Directory directory services.

- Perform an authoritative restore operation.
- Perform a nonauthoritative restore operation.

Troubleshoot Active Directory.

- Diagnose and resolve issues related to Active Directory 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.

Plan an OU structure.

- Analyze the administrative requirements for an OU.
- Analyze the Group Policy requirements for an OU structure.

Implement an OU structure.

- Create an OU.
- Delegate permissions for an OU to a user or to a security group.

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- Move objects within an OU hierarchy.

### 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 the user environment by using Group Policy.
- Plan a strategy for configuring the computer environment by using Group Policy.

Configure the user environment by 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.

Deploy a computer environment by using Group Policy.

- Distribute software by using Group Policy.
- Automatically enroll computer certificates by using Group Policy.
- Configure computer security settings by using Group Policy.

### Managing and Maintaining Group Policy

Troubleshoot issues related to Group Policy application, deployment. Tools might include RSoP and the gpresult command.

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.

Troubleshoot the application of Group Policy security settings. Tools might include RSoP and the gpresult command.