SETC Training Corporate Logo

Server 2022 Training: Windows Advanced Active Directory (W8AAD, 4 jours)

Description

The course Windows Advanced Active Directory (Server 2019 Training) covers advanced Active Directory installation, configuration and maintenance. The training includes GPO, global catalog servers, service replication, sites, replication topology, PowerShell scripting & troubleshooting. If you need to know everything about the Active Directory, this is the course for you.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Active Directory Fundamentals

- Active Directory Concepts
- Active Directory Improvements
- Active Directory Services Interface
- Active Directory Objects and Attributes
- Active Directory Users and Computers Improvements
- Active Directory Federation Services
- LDAP Fundamentals

Active Directory Architecture

- Active Directory Service Architecture
- Active Directory System Agent Functions
- Physical and Logical Components
- Logical Structure: OU#39;s, Domains, Trees, Forests
- Delegation of Administration
- Physical Structure: Domain Controllers, Two-way Kerberos Trusts
- Naming Conventions Used with Active Directory
- Relative Distinguished Name, Distinguished Name, User Principal Name, Domain Component Naming

DNS Architecture

- DNS Naming Conventions
- DNS Zone Types
- DNS Resource Records
- Forwarders and Slaves
- Maintaining the DNS Database

Installing and Managing Active Directory Services

- Promoting a Domain Controller
- Creating a Domain Tree or a Child Domain
- Database and Log locations
- Permissions for Default Users and Groups
- Directory Services Restore Mode Password
- Adding Additional Domain Controllers to a Forest
- Demoting a Domain Controller
- MetaData Cleanup with NTDSUtil

Group Policy Administration

Introduction to the GPMC
Predefined Group Policies
Default Domain Policy
Default Domain Controllers Policy
Creating Group Policy Objects
Backing Up and Restoring Group Policy Objects
Administrative Templates
Windows Settings for Users and Computers
Software Deployment using Group Policy
Creating .MSI Packages
How Group Policy is Applied
Group Policy Application and Inheritance
Troubleshooting Group Policy

Managing and Maintaining Active Directory

Publishing Resources in Active Directory
Configuring a Time Server in Windows Server 2022
Delegation of Administration
Custom Delegation
Defining an Audit Policy
The Secedit Database
INF Security Templates
Creating Custom Security Templates
Security Configuration and Analysis Console
Hardening Computer Accounts

Domain Components

Domain Functional Levels
Setting Up Trust Relationships
Different Types of Trust Relationships
FSMO Roles
FSMO Role Maintenance Using NTDSUtil
Group Types: Domain Local, Global and Universal Groups

Global Catalog Servers

What is the Global Catalog?
Global Catalog Servers
Additional Global Catalog Servers
When is the Global Catalog Queried?

Directory Service Replication

Replication Fundamentals
Advanced Replication
Using the Replmon Utility
Replication Components: USNs, High Watermark, Up-to-Dateness Vector
Inter and Intra-site Replication
Initiating Urgent Replication

Sites and Replication Topology Administration

Using AD Sites and Services
Creating Sites and Subnets
Bridgehead Servers
Site Links and Site Link Bridges
Site Link Scheduling
Site Link Transitivity

Active Directory maintenence
Database File Structure
Database Transaction Log Details
Backing Up the System State
Authoritative vs. Non-Authoritative Restore
Verifying the Restore Process
Active Directory Scripting
Windows Script Host (WSH)
Deploying Scripts Using Group Policy
ADSI Scripts
Using LDIFDE to Add, Modify and Delete Users Objects
Automating Administrative Tasks Using LDF Files
Active Directory Schema
What is the Schema?
How to Edit the Schema
Object Classes and Schema Objects
Changing the Schema Master using NTDSUtil
Troubleshooting Active Directory
The Event Viewer
Diagnostic Logging
Using Netdiag
Using DCDiag
Using the Recovery Console
Active Directory Log Files
Using Performance Logs and Alerts
Spotlight On Active Directory Software from Quest