

## **Identity with Microsoft Windows Server 2016 (MS-20742)**

**Modality: Self-Paced Learning**

**Duration: 14 Hours**

**SATV Value:**

**CLC:**

**NATU:**

**SUBSCRIPTION: Learn, Master**

***This course prepares you for the 70-742 Exam leading to 70-742 Certification. This course does not include the Official Exam Voucher, however, you can request to purchase the **Official Exam Voucher** separately.***

### **About this Course:**

If you are working in the IT field and want to pursue it as a profession, then this course will help you a great deal. Active Directory Domain Service (AD DS) is an important branch in the IT field. The course will make you able to deploy and configure the basic skills required in AD DS within distributed environments. There will be many other short sections of this course which will be related to the implementation of group policy, a guide to data recovery, troubleshoot related issues regarding Active Directory and many other basic issues with Window Server 2016. After the completion of this course, you will be able to install many other Active Directory server tasks. The main subject included in the course is IT Ops and Management. The difficulty level of this course for an IT pro is moderate but can be a great success in the modern world where these skills are in huge demand.

### **Course objectives:**

Following are the main course objectives of this course which will make the students be able to:

- Accomplish AD DS sites
- Management and configuration of servers for effective results.
- Administer Active Directory Rights Management Services
- Execute AD DS within environments
- Install domain controllers.
- Generate efficient and effective business flow for services.
- Handle troubleshoot issues related to the Microsoft windows server.
- How to manage AD DS with Certificate authority hierarchy
- Control Group Policy Projects and manage them properly.
- Maintaining user settings and handling any issues related to it.
- Data recovery options with AD DS
- Stronghold of Windows PowerShell and other graphic tools

### **Who can join this course?**

- IT professionals who are working with Windows Server 2016 already and wants to enhance their practical knowledge.
- Students or professionals who want to learn about identity with Microsoft windows server 2016 or Microsoft windows server 2012.
- If you are an IT guy and thinking of taking the 70-742 exam, then this course is a must for you.
- If you want to become an AD DS expert, then you have to get the certification for the *Identity with Microsoft Windows Server 2016 (MS-20742)*.
- Those who want to attain expert level experience in both advanced as well as core identity concepts.
- Either you have the experience of working with Microsoft windows server 2012 or Microsoft windows server 2016, you can enroll for this course to enhance and polish your skills.

## Prerequisites:

Before enrolling for this course make sure you have prior basic knowledge of the following concepts:

- A proper or little experience with Microsoft windows server 2012 or Microsoft windows server 2016.
- Have a clear concept of configuration processes.
- Having a strong knowledge of networking terms and processes such as IP address, name resolution, etc.
- Good secure user accounts information.
- Have a grasping experience of working with windows 7, windows 8 or windows 10.
- Have basic know-how of Windows PowerShell command-line-interface.
- Have some basic concepts of virtualization concepts.

If you have the knowledge of all the above-mentioned concepts, then you can easily follow and understand the course content. The course outline for this course is easily available online for those who are looking for it.

## Course Outline:

### Module 1: Installing and configuring domain controllers

This module describes features of AD DS and how to install domain controllers (DCs). It also covers the considerations for deploying DCs.

#### Lessons

- Overview of AD DS
- Overview of AD DS domain controllers
- Deploying a domain controller

### Module 2: Managing objects in AD DS

This module describes how to use various techniques to manage objects in AD DS. This includes creating and configuring user, group, and computer objects.

## Lessons

- Managing user accounts
- Managing groups in AD DS
- Managing computer objects in AD DS
- Using Windows PowerShell for AD DS administration
- Implementing and managing OUs

## Module 3: Advanced AD DS infrastructure management

This module describes how to plan and implement an AD DS deployment that includes multiple domains and forests. The module provides an overview of the components in an advanced AD DS deployment, the process of implementing a distributed AD DS environment, and the procedure for configuring AD DS trusts.

## Lessons

- Overview of advanced AD DS deployments
- Deploying a distributed AD DS environment
- Configuring AD DS trusts

## Module 4: Implementing and administering AD DS sites and replication

This module describes how to plan and implement an AD DS deployment that includes multiple locations. The module explains how replication works in a Windows Server 2016 AD DS environment.

## Lessons

- Overview of AD DS replication
- Configuring AD DS sites
- Configuring and monitoring AD DS replication

## Module 5: Implementing Group Policy

This module describes how to implement a GPO infrastructure. The module provides an overview of the components and technologies that compose the Group Policy framework.

## Lessons

- Introducing Group Policy
- Implementing and administering GPOs
- Group Policy scope and Group Policy processing
- Troubleshooting the application of GPOs

## Module 6: Managing user settings with Group Policy

This module describes how to configure Group Policy settings and Group Policy preferences. This

includes implementing administrative templates, configuring folder redirection and scripts, and configuring Group Policy preferences.

## Lessons

- Implementing administrative templates
- Configuring Folder Redirection, Software Installation, and Scripts
- Configuring Group Policy preferences

## Module 7: Securing Active Directory Domain Services

This module describes how to configure domain controller security, account security, password security, and Group Managed Service Accounts (gMSA).

## Lessons

- Securing domain controllers
- Implementing account security
- Implementing audit authentication
- Configuring managed service accounts

## Module 8: Deploying and managing AD CS

This module describes how to implement an AD CS deployment. This includes deploying, administering, and troubleshooting CAs.

## Lessons

- Deploying CAs
- Administering CAs
- Troubleshooting and maintaining CAs

## Module 9: Deploying and managing certificates

This module describes how to deploy and manage certificates in an AD DS environment. This involves deploying and managing certificate templates, managing certificate revocation and recovery, using certificates in a business environment, and implementing smart cards.

## Lessons

- Deploying and managing certificate templates
- Managing certificate deployment, revocation, and recovery
- Using certificates in a business environment
- Implementing and managing smart cards

## Module 10: Implementing and administering AD FS

This module describes AD FS and how to configure AD FS in a single-organization scenario and in a

partner-organization scenario.

## Lessons

- Overview of AD FS
- AD FS requirements and planning
- Deploying and configuring AD FS