70-742: Identity in Windows Server 2016

Modality: On Demand

Duration: 19 Hours

About this course:

The Microsoft Windows Server 2016, previously known as Windows Server vNext is an Operating System. The server was originally designed for network applications.

This course is a middle-level training course, which outlines all the concepts necessary to fully understand the implementation and configuration of AD DA (Active Directory Domain Services) in an enterprise environment.

In addition to that, the course also covers the right approaches to implement the AD Server Roles such as FS (Active Directory Federation Services) and AD CS (Active Directory Certificate Services).

This course ensures that every student is fully prepared for the certification of Microsoft 70-742: Identity with Windows Server 2016.

A Windows Server Administrator on average earns $55,929 annually.

Course Objective:

At the end of this course, students will be able to:

- Fully understand the configuration and installing phase of domain controllers
- Manage objects in the AD DS with the help of Windows PowerShell and other different graphical tools
- Fully understand the deployment, management, and configuration phases of AD DS and replication
- Deploy AD DS in a challenging and complex environment
- Understand the basic concepts of deployment and management of GPOs (Group Policy Objects)
- Understand the basic concepts of user settings management with GPOs (Group Policy Objects)
- Understand the basic concepts of securing user accounts and AD DS
- Understand the complete process of implementation and management of CA using AD CS
- Understand the complete process of implementation and management of certificates
- Understand the complete process of deployment and administration of AD FS
- Understand the complete process of deployment and administration of AD RMS (Active Directory Rights Management Services)
- Understand the complete process of deployment and synchronization of between Azure AD and AD DS
- Understand the complete process of troubleshooting, monitoring, and establishing business continuity for AD DS Services

Audience:

The target audience for this course is;

IT professionals who have basic knowledge of AD DS and are seeking advanced courses to learn more about the technologies in Windows Server 2016 and to gain more knowledge of access and identity technologies. Students usually fall into one of the following two categories:

- AD DS administrators who wish to upgrade their expertise and knowledge, and want to learn about the access and identity technologies in Windows Server 2012 or Windows Server 2016
- Infrastructure or System officers who have the basic concepts of AD DS but they are seeking more advance level courses to learn more about access and identity technologies in Windows Server 2012 or Windows Server 2016

Prerequisites:

Before enrolling for the course, students should fulfill the following requirements;

- Beginner level experience of working with AD DS technologies with a strong concept of Windows Server 2012 and Windows Server 2016
- Beginner level experience to configure Windows Server 2012 and Windows Server 2016
- Strong concepts of core networking such as TCP/ IP addressing, internet protocol addressing, name resolution, and DHCP (Dynamic Host Configuration Protocol)
- Complete awareness of best security practices
- Understanding of virtualization and Hyper-V
- Working experience of Microsoft Hyper-V and basic server virtualization concepts
- Practical experience of working with Windows Client Operating Systems like Windows 8.1, Windows 7, or Windows 10
- Beginner level experience of working with Command Line Interface of Windows PowerShell

Course Outline:

Introduction

Chapter 01 - Installing and Configuring Domain Controllers

Chapter 02 - Managing Active Directory Objects

Chapter 03 - Securing Active Directory Domain Services

Chapter 04 - Working with Complex AD DS Infrastructures

Chapter 05 - Implementing Group Policy

Chapter 06 - Understanding Microsoft Azure AD and Directory Synchronization

Chapter 07 - Monitoring and Recovering AD DS

Chapter 08 - Implementing Active Directory Certificate Services

Chapter 09 - Implementing Active Directory Federation Services (AD FS)

Chapter 10 - Implementing Active Directory Rights Management Services

Course Closure

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