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IT4all Server Pro 2016: Install and Storage

Course Content

Expiration date: December 31, 2021

This course prepares you to pass the Microsoft 70-740 Certification.

The Microsoft Exam 70-740: Installation, Storage, and Compute with Windows Server 2016 certification measures a primary set of Windows Server 2016 skills relevant to multiple solution areas in a business environment.

The topics covered in this course are:

- Install and configure servers
- Configure Hyper-V
- Install and administer Active Directory
- Implement DNS
- Deploy and configure core network services
- Configure server roles and features
- Create and manage Group Policy
- Configure network settings
- Implement DHCP

Certification is so important because it gives potential employers information they need when making hiring decisions. Basically, having certifications gives you a critical boost during the application and interview process.

Course outline

1.0: Introduction

- 1.1: Windows as a Server
- 1.2: Windows Server 2012 Interface Overview
- 1.3: Windows Server 2016 Interface Overview

2.0: Server Installation

- 2.1: Server 2012 Installation
- 2.2: Server 2016 Installation
- 2.3: Server Upgrade and Migration

3.0: Server Configuration and Management

- 3.1: PowerShell
- 3.2: Server Roles
- 3.3: Server Core Deployment
- 3.4: Remote Server Management
- 3.5: Image Servicing
- 3.6: Nano Server Deployment

4.0: Networking

- 4.1: IPv4 Addressing
- 4.2: IPv6 Addressing
- 4.3: Windows Firewall
- 4.4: Advanced Networking

5.0: Server Storage

- 5.1: Traditional Storage
- 5.2: VHD Storage
- 5.3: Storage Pools
- 5.4: iSCSI Storage
- 5.5: Data Deduplication

6.0: Hyper-V

- 6.1: Virtualization Deployment
- 6.2: Virtual Machines
- 6.3: Virtual Machine Storage
- 6.4: Virtual Networks
- 6.5: Virtual Network Optimization
- 6.6: Virtual Machine Movement

7.0: Active Directory

- 7.1: Active Directory
- 7.2: Domain Controllers
- 7.3: Sites
- 7.4: Organizational Units
- 7.5: Users Accounts
- 7.6: Bulk User Operations
- 7.7: Computer Accounts
- 7.8: Groups
- 7.9: Rights Delegation
- 7.10: Azure AD

8.0: Group Policy

- 8.1: Group Policy Foundation
- 8.2: Group Policy Management
- 8.3: Password Policies
- 8.4: Audit Policies
- 8.5: User Rights Assignment
- 8.6: Security Options

- 8.7: Restricted Groups
- 8.8: Application Restriction Policies
- 8.9: Group Policy Preferences

9.0: DNS

- 9.1: DNS Overview
- 9.2: Name Resolution
- 9.3: Zone Management
- 9.4: DNS Records
- 9.5: DNS Troubleshooting

10.0: File and Share Access

- 10.1: File Access
- 10.2: Access-based Enumeration (ABE) and Volume Shadow Copy (VSS)
- 10.3: SMB Shares
- 10.4: NFS Shares
- 10.5: NTFS Permission Troubleshooting

11.0: Print and Document Services

- 11.1: Print Servers
- 11.2: Print Management

12.0: Server Management

- 12.1: Windows Software Update Services (WSUS)
- 12.2: Malware Protection
- 12.3: Windows Server Backup
- 12.4: Windows Server Restore
- 12.5: Performance Monitoring

13.0: DHCP

- 13.1: DHCP Basics
- 13.2: DHCP Exclusions and Reservations
- 13.3: DHCP Centralization
- 13.4: DHCP Troubleshooting

14.0: Containers

- 14.1: Container Overview
- 14.2: Container Host Installation
- 14.3: Container Deployment
- 14.4: Container Management

15.0: High Availability

- 15.1: Network Load Balancing
- 15.2: Network Load Balancing Management
- 15.3: Failover Clustering
- 15.4: Failover Cluster Management
- 15.5: Failover Cluster Role Management
- 15.6: Hyper-V Replication and Migration
- 15.7: Hyper-V High Availability
- 15.8: Storage Replica
- 15.9: Highly Available Storage Spaces

Practice Exams

A.0: Server Pro: Certification Practice Exam

B.0: Microsoft 70-740 Certification Practice Exam