

uCertify

Course Outline

MCSA 70-741 Cert Guide: Networking with Windows Server 2016



23 Apr 2024

1. Course Objective
2. Expert Instructor-Led Training
3. ADA Compliant & JAWS Compatible Platform
4. State of the Art Educator Tools
5. Award Winning Learning Platform (LMS)
6. Live labs

Lab Tasks

Here's what you get

1. Course Objective

Gain hands-on expertise in Microsoft 70-741: Networking with Windows Server 2016 exam with Networking with Windows Server 2016 performance-based lab. Performance-based labs are versatile - labs simulate real-world, hardware, software & command line interface environments and can be mapped to any text-book, course & training. Networking with Windows Server 2016 performance-based lab covers all the objectives of the 70-741 exam and includes topics such as installing and configuring DNS Servers, creating and configuring DNS zones and records, understanding and configuring DNSSEC, understanding and configuring DANE, installing and configuring Windows Server 2016 DHCP Server, implementing Windows Server 2016 IPAM and much more.

2. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

3. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

4. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

5. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**

1. Best Postsecondary Learning Solution

- **2015**

1. Best Education Solution
2. Best Virtual Learning Solution
3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**

1. Best Virtual Learning Solution
2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution

6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

- **2019**

1. Best Virtual Learning Solution
2. Best Content Authoring Development or Curation Solution
3. Best Higher Education Learning Management Solution (LMS)

- **2020**

1. Best College and Career Readiness Solution
2. Best Cross-Curricular Solution
3. Best Virtual Learning Solution

6. Live Labs

The benefits of live-labs are:

- Exam based practical tasks
- Real equipment, absolutely no simulations
- Access to the latest industry technologies
- Available anytime, anywhere on any device

- Break and Reset functionality
- No hardware costs

Lab Tasks

Install and Configure DNS Servers

- Setting aging and scavenging properties
- Creating a zone delegation
- Installing AD DS with the Server Manager
- Configuring forwarders
- Configuring DNS Delegation with PowerShell
- Configuring Cache Locking
- Enabling debug logging on the DNS server

Create and Configure DNS Zones and Records

- Modifying zone transfer settings
- Creating the GlobalNames zone
- Managing a GlobalNames Zone with PowerShell
- Starting Scavenging process
- Enabling scavenging

Configuring and Managing DNS Policies

- Enabling DHCP Name Protection at the IPv6 Node Level
- Enabling DHCP name protection at the scope level
- Installing and Configuring DirectAccess
- Creating a Zone-Level Zone Transfer Policy

Understand and Configure DNSSEC

- Signing a Zone
- Adding a DNSKEY Trust Anchor

Installing and Configuring Windows Server 2016 DHCP Server

- Installing DHCP
- Unauthorizing a DHCP Server
- Installing DHCP using PowerShell
- Configuring DHCP server post-installation
- Authorizing a DHCP Server
- Creating an IPv4 Superscope
- Creating a Reservation in the DHCP Manager
- Enabling DHCP audit logging
- Enabling DHCP name protection
- Configuring DHCP Failover
- Creating and Configuring a DHCP Policy

Implementing Windows Server 2016 IPAM

- Installing IPAM server
- Creating and Exporting an IPAM Access Policy
- Creating a New Zone
- Adding DHCP Scopes to IPAM
- Finding and allocating IP addresses in IPAM

Manage DNS and DHCP Using Windows Server 2016 IPAM

- Filtering the view of DNS Server settings
- Adding a DNS Resource Record in the IPAM Configuration
- Filtering the view of DNS Resource Records

Windows Server 2016 IPAM Audit Changes and Events

- Configuring Logical Groups and Custom Fields with the IPAM Console

Windows Server 2016 VPN and DirectAccess Solutions

- Joining a DirectAccess Server to a Domain
- Adding a New Static Route Entry
- Updating Clients with the DirectAccess Configuration

- Configuring a Security Group for the DirectAccess Clients

Windows Server 2016 Network Policy Server

- Configuring the Windows Server 2016 DirectAccess Server
- Creating a New Connection Request Policy
- Creating a Network Policy for 802.1X
- Configuring a Network Policy for VLANs

Implementing Windows Server 2016 IPv4 and IPv6 Addressing

- Configuring IPv6 with DHCPv6
- Configuring Local IPv6 Settings

Implementing Windows Server 2016 DFS and Branch Office solutions

- Installing and Configuring DFS Namespaces
- Configuring Windows Server 2016 DFSR with the GUI
- Configuring BranchCache Client Settings
- Enabling the BranchCache Mode through GPO

Implementing Windows Server 2016 High Performance Network Solutions

- Adding a Hyper-V host to SCVMM
- Creating the management logical network
- Creating the IP address pool in the management logical network
- Creating a management logical switch
- Applying logical switch on Hyper-V Hosts
- Importing service template into the VMM library

Here's what you get

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LIVE LABS

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VIDEO TUTORIALS

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MINUTES

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