Course Out

Identity with Windows Serve



10 Mar 2024

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1. Course Objective

Prepare for the Microsoft 70-742 exam using Identity with Windows Server 2016 (70-742) course and lab. The lab comes with a well-organized component library for every task. The MCSA windows server 2016 course and lab completely cover the 70-742 exam objectives and include topics such as identity and active directory 2016, installing and configuring domain controllers, creating and managing active directory users and computers, and more.

2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

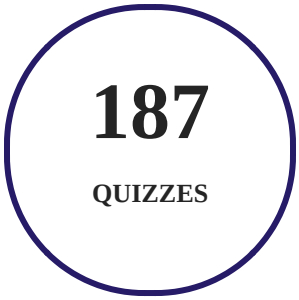
3. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.



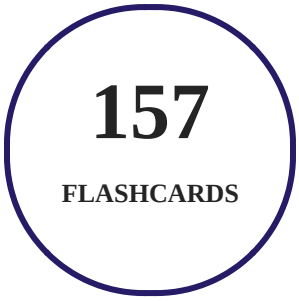
4. Quizzes

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.



5. flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.



6. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



7. 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.

8. 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.

9. 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.

10. 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

11. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Introduction

- About the 70-742 Identity with Windows Server 2016 Exam
- 70-742 Exam Topics
- About the MCSA 70-742 Cert Guide

- Objectives and Methods
- How This Book Is Organized

Chapter 2: Introducing Active Directory 2016

- Identity and Active Directory 2016
- Active Directory Domain Services (AD DS)
- Active Directory Federation Services (AD FS)
- Active Directory Certificate Services (AD CS)
- Active Directory Rights Management Services (AD RMS)
- Review All Key Topics
- End-of-Lesson Review Questions

Chapter 3: Installing and Configuring Domain Controllers

- Installing a New Forest
- Adding or Removing a Domain Controller from a Domain
- Upgrading a Domain Controller
- Installing AD DS on a Server Core Installation
- Installing a Domain Controller with Install from Media (IFM)

- Installing and Configuring a Read-Only Domain Controller (RODC)
- Configuring Domain Controller Cloning
- Resolving DNS SRV Record Registration Issues
- Configuring a Global Catalog Server
- Transferring and Seizing Operations Master Roles
- Review All Key Topics
- End-of-Lesson Review Questions

Chapter 4: Creating and Managing Active Directory Users and Computers

- Creating, Copying, Configuring, and Deleting Users and Computers
- Automating the Creation of Active Directory Accounts
- Performing Bulk Active Directory Operations
- Configuring User Rights
- Implementing Offline Domain Join
- Managing Inactive and Disabled Accounts
- Review All Key Topics
- End-of-Lesson Review Questions

Chapter 5: Creating and Managing Active Directory Groups and Organizational Units

- Creating, Copying, Configuring, and Deleting Groups and OUs
- Configuring Group Nesting
- Delegating the Creation and Management of Groups and OUs
- Managing Group Membership Using Group Policy
- Managing Default Active Directory Containers
- Review All Key Topics
- End-of-Lesson Review Questions

Chapter 6: Configuring Service Authentication and Account Policies

- Creating and Configuring Service Accounts
- Configuring Kerberos Constrained Delegation (KCD)
- Configuring Default Domain Account Policies
- Configuring and Applying Password Settings Objects (PSOs)
- Review All Key Topics
- End-of-Lesson Review Questions

Chapter 7: Maintaining Active Directory

- Configuring Active Directory Snapshots

- Backing Up and Restoring Active Directory and SYSVOL
- Managing Active Directory Offline
- Cleaning Up Metadata
- Configuring Replication to Read-Only Domain Controllers (RODCs)
- Monitoring and Managing Replication
- Review All Key Topics
- End-of-Lesson Review Questions

Chapter 8: Configuring Active Directory in a Complex Enterprise Environment

- Deploying Windows Server 2016 Domain Controllers Within a Pre-Existing Active Directory Environment
- Configuring Trusts
- Configuring Sites
- Review All Key Topics
- End-of-Lesson Review Questions

Chapter 9: Creating and Managing Group Policy Objects (GPOs)

- Introduction to Group Policy
- Managing Starter GPOs

- Backing Up, Importing, Copying, and Restoring GPOs
- Delegating Group Policy Management
- Detecting Health Issues Using the Group Policy Infrastructure Status Dashboard
- Local Group Policies
- Review All Key Topics

Chapter 10: Configuring Group Policy Processing

- Configuring Processing Order, Precedence, and Blocking of Inheritance
- Configuring Security Filtering and Windows Management Instrumentation (WMI) Filtering
- Client-Side Processing
- Review All Key Topics

Chapter 11: Configuring Group Policy Settings

- Configuring Software Installation
- Configuring Folder Redirection
- Configuring Scripts
- Configuring Administrative Templates
- Review All Key Topics

Chapter 12: Configuring Group Policy Preferences

- Configuring Control Panel Settings
- Configuring Windows Settings
- Review All Key Topics

Chapter 13: Installing and Configuring Active Directory Certificate Services

- Installing Active Directory Integrated Enterprise Certificate Authority
- Configuring Certificate Revocation List Distribution Points
- Configuring CA Backup, Recovery, and Administrative Role Separation
- Review All Key Topics

Chapter 14: Managing Certificates

- Managing Certificate Templates
- Managing Certificate Deployment, Validation, Revocation, and Renewal
- Managing Certificate Autoenrollment Using Group Policies
- Configuring Key Archival and Recovery
- Review All Key Topics
- End-of-Lesson Review Questions

Chapter 15: Installing and Configuring Active Directory Federation Services

- Implementing Claims-Based Authentication
- Configuring Authentication
- Implementing and Configuring Device Registration
- Integrating AD FS with Microsoft Passport
- Configuring AD FS to Enable Authentication of Users Stored in LDAP Directories
- Review All Key Topics
- End-of-Lesson Review Questions

Chapter 16: Implementing Web Application Proxy

- Installing and Configuring Web Application Proxy
- Implementing WAP as AD FS Proxy
- Review All Key Topics

Chapter 17: Installing and Configuring Active Directory Rights Management Services

- Installing an Active Directory Rights Management Services Server
- Managing AD RMS Templates and Exclusion Policies
- Backing Up and Restoring AD RMS

- Review All Key Topics

Videos and How To

uCertify course includes videos to help understand concepts. It also includes How Tos that help learners in accomplishing certain tasks.

17	56
VIDEOS	MINUTES

12. Practice Test

Here's what you get

65	2	60
PRE-ASSESSMENTS QUESTIONS	FULL LENGTH TESTS	POST-ASSESSMENTS QUESTIONS

Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

13. 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

Installing and Configuring Domain Controllers

- Installing AD DS and Promoting the Server to a Domain Controller
- Installing RODC
- Promoting an Existing Domain Controller to a Global Catalog Server

Creating and Managing Active Directory Users and Computers

- Creating and Configuring a New User

- Creating a New Computer Account in Active Directory Domain Services
- Copying Users
- Deleting Objects
- Configuring a User's Rights

Creating and Managing Active Directory Groups and Organizational Units

- Creating a Group
- Creating an Organizational Unit

Configuring Service Authentication and Account Policies

- Creating a Service Account in AD DS
- Setting Up Kerberos Delegation
- Configuring a Default Domain Password Policy
- Configuring Account Lockout Policy Settings
- Configuring Kerberos Policy Settings

Maintaining Active Directory

- Configuring and restoring objects by using the Active Directory recycle bin
- Creating a Backup
- Stopping the AD DS service
- Cleaning up the metadata of a domain
- Allowing accounts to replicate to RODC

Configuring Active Directory in a Complex Enterprise Environment

- Raising the domain functional level
- Configuring sites
- Renaming sites
- Moving a server between sites
- Creating a new subnet

Creating and Managing Group Policy Objects (GPOs)

- Configuring GPO Links

- Creating a Starter GPO
- Creating a GPO
- Exporting Starter GPOs for use in another forest
- Creating and configuring a migration table
- Restoring a GPO to previously backed up settings
- Backing up a GPO
- Delegating the creation of GPOs
- Configuring multiple local GPOs

Configuring Group Policy Processing

- Blocking Inheritance
- Setting Up a Security Filter

Configuring Group Policy Settings

- Setting up folder redirection
- Enabling administrative template filters
- Deploying Software via Group Policy Management

Configuring Group Policy Preferences

- Configuring Internet Explorer settings
- Configuring Printers
- Configuring Power Options
- Configuring a New File Operation
- Configuring a New Folder Operation

Installing and Configuring Active Directory Certificate Services

- Installing and Configuring AD CS on a Server
- Backing Up CA
- Delegating permissions

Managing Certificates

- Enabling Certificate Templates

- Creating an Autoenrollment Certificate
- Revoking and Exporting a Certificate

Installing and Configuring Active Directory Federation Services

- Installing and Configuring a Standalone AD FS Server
- Configuring Authentication Policies
- Integrating AD FS with PIN Complexity

Implementing Web Application Proxy

- Installing Web Application Proxy

Installing and Configuring Active Directory Rights Management Services

- Installing and Configuring AD RMS
- Adding an exclusion policy for users
- Generating a new cluster key password

Here's what you get

57	57	01:45
LIVE LABS	VIDEO TUTORIALS	HOURS

14. Post-Assessment

After completion of the uCertify course Post-Assessments are given to students and often used in conjunction with a Pre-Assessment to measure their achievement and the effectiveness of the exam.