

uCertify

Course Outline

MCSA Configuring Windows 10 Devices (Course & Lab)



04 Jul 2020



Lesson



Practice test



Lab



Live-Lab

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Here's what you get

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1. Course Objective

Gain hands-on expertise in Microsoft 70-697 certification exam with 70-697 - Configuring Windows Devices course and performance-based labs. Performance-based labs simulate real-world, hardware, software & command line interface environments and can be mapped to any text-book, course & training. The Microsoft 70-697 certification program with performance-based labs cover all the objectives of 70-697 exam and include topics such as managing identity, remote access, apps updates and recovery, data access and protection; planning desktop and device deployment, Microsoft Intune device management solution; and configuring networking and storage.

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.

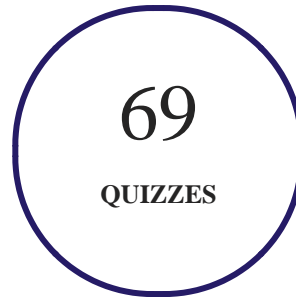
3. Exercises

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.

100
EXERCISES

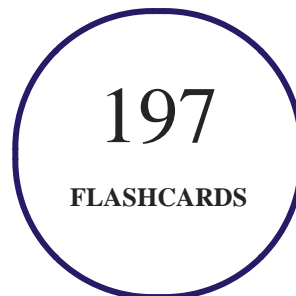
4. Quizzes

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 assignments. 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

- The Microsoft Certification Program
- Who Should Read This Book?

- What's Inside?
- What's Included with the Book
- Recommended Home Lab Setup
- MCSA Microsoft Windows 10: Exam 70-697 Objectives Map

Chapter 2: Installing Windows 10

- Introducing Windows 10
- Windows 10 Architecture
- Preparing to Install Windows 10
- Installing Windows 10
- Summary
- Exam Essentials

Chapter 3: Automated Windows 10 Deployments

- Understanding Automated Deployment Options
- Deploying Unattended Installations
- Understanding Hyper-V
- Summary

- Exam Essentials

Chapter 4: Configuring Storage and Security

- Understanding File Systems
- Configuring NTFS
- Configuring Disk Storage
- Using the Disk Management Utility
- Managing Storage
- Troubleshooting Disk Management
- Managing Data Compression
- Understanding Distributed File System
- Managing Data Encryption with EFS
- Understanding RAID
- Using Disk-Maintenance Tools
- Summary
- Exam Essentials

Chapter 5: Managing Data Access

- Managing File and Folder Security

- Managing Network Access
- Understanding Hardware Security
- Summary
- Exam Essentials

Chapter 6: Managing the Windows 10 Environment

- Configuring the Windows 10 Operating System
- Understanding Mobility Options
- Using the Registry Editor
- Configuring Remote Connections
- Managing Windows 10 Services
- Summary
- Exam Essentials

Chapter 7: Planning and Managing Microsoft Intune

- Managing Devices with Microsoft Intune
- Supporting Applications
- Understanding Updates

- Summary
- Exam Essentials

Chapter 8: Configuring Applications

- Supporting Desktop Applications
- Understanding Azure
- Supporting the Windows Store
- Understanding Web Browsers
- Summary
- Exam Essentials

Chapter 9: Managing Identity and Authorization

- Overview of Windows 10 User Accounts
- Working with User Accounts
- Managing User Properties
- Troubleshooting User Account Authentication
- Managing and Creating Groups
- Managing Security Using GPOs and LGPOs
- Configuring User Account Control

- Understanding Smart Cards
- Summary
- Exam Essentials

Chapter 10: Configuring Network Connectivity

- Understanding Networking
- Configuring Windows 10 NIC Devices
- Understanding TCP/IP
- Summary
- Exam Essentials

Chapter 11: Configuring Recovery

- Safeguarding and Recovery Basics
- Using Advanced Boot Options
- Maintaining Windows 10 with Backup and Restore
- Using System Protection
- Summary
- Exam Essentials

12. Practice Test

uCertify provides full length practice tests. These tests closely follow the exam objectives and are designed to simulate real exam conditions. Each course has a number of test sets consisting of hundreds of items to ensure that learners are prepared for the certification exam.

Here's what you get

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PRE-ASSESSMENTS QUESTIONS

50
POST-ASSESSMENTS QUESTIONS

Features

Full Remediation

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.

Learn, Test and Review Mode

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. Performance Based Labs

uCertify's performance-based labs are simulators that provides virtual environment. Labs deliver hands on experience with minimal risk and thus replace expensive physical labs. uCertify Labs are cloud-based, device-enabled and can be easily integrated with an LMS. Features of uCertify labs:

- Provide hands-on experience in a safe, online environment
- Labs simulate real world, hardware, software & CLI environment
- Flexible and inexpensive alternative to physical Labs
- Comes with well-organized component library for every task
- Highly interactive - learn by doing
- Explanations and remediation available
- Videos on how to perform

Lab Tasks

- Troubleshooting failed installations with setup logs
- Performing a clean install of Windows 10

- Downloading and installing MDT 2013
- Configuring MDT 2013
- Preparing a system for imaging using the system preparation tool
- Creating a differencing hard disk
- Creating a new virtual machine
- Creating a checkpoint of a virtual machine
- Applying a checkpoint
- Converting a FAT32 Partition to NTFS
- Configuring OneDrive
- Configuring disk quotas
- Converting a basic disk to a GPT disk
- Converting a basic disk to a dynamic disk
- Deleting a Partition
- Editing a drive letter
- Creating a New Volume
- Adding an MMC Snap-in
- Creating an extended volume
- Compressing and uncompressing folders
- Encrypting a folder
- Implementing EFS file sharing
- Using the Local Security Policy
- Using the Cipher utility
- Running the Disk Cleanup Utility
- Using the check disk utility
- Managing NTFS permissions
- Using BitLocker in Windows 10
- Installing features
- Changing the computer name
- Configuring Windows 10 desktop options
- Changing the System's Virtual Memory
- Configuring a power plan
- Configuring the power button to the switch user option
- Setting up a VPN connection
- Enabling remote desktop
- Configuring Services

- Setting up a Microsoft Intune account
- Creating a device group
- Creating an Intune policy
- Enrolling a device in Intune
- Installing Hyper-V
- Setting the Microsoft Account
- Creating new users using MMC
- Disabling user accounts
- Deleting user accounts
- Changing a user's password
- Renaming a user account
- Adding a user to an existing group
- Assigning home folders
- Creating local groups
- Adding accounts to groups
- Adding the Local Computer Policy snap-in
- Configuring password policy
- Applying a User-Rights Policy
- Configuring account-lockout policies
- Configuring audit policies
- Viewing UAC effects on accounts
- Viewing the network connection details
- Viewing wireless network connection properties
- Accessing the Windows 10 Wireless Properties
- Configuring a static TCP/IP address
- Connecting a Windows 10 machine to the domain
- Creating a new inbound rule
- Using boot logging
- Creating a system image
- Backing Up Files
- Restoring Files
- Creating a Restore Point
- Using the recycle bin
- Restoring a Restore Point

Here's what you get



14. Live Labs

Live-Lab is a real computer equipment, networked together and conveniently accessible over the internet using virtualization. A live-lab has equipments such as a computer, server, switch or router in it that a user is free to configure.

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

Introduction

Installing Windows 10

- Troubleshooting failed installations with setup logs
- Performing a clean install of Windows 10

Automated Windows 10 Deployments

- Downloading and installing MDT 2013
- Configuring MDT 2013
- Preparing a system for imaging using the system preparation tool
- Creating a differencing hard disk
- Creating a new virtual machine
- Creating a checkpoint of a virtual machine
- Applying a checkpoint

Configuring Storage and Security

- Converting a FAT32 Partition to NTFS
- Configuring OneDrive
- Configuring disk quotas
- Converting a basic disk to a GPT disk
- Converting a basic disk to a dynamic disk
- Deleting a Partition
- Editing a drive letter
- Creating a New Volume
- Adding an MMC Snap-in
- Creating an extended volume
- Compressing and uncompressing folders
- Encrypting a folder
- Implementing EFS file sharing
- Using the Local Security Policy
- Using the Cipher utility
- Running the Disk Cleanup Utility
- Using the check disk utility

Managing Data Access

- Managing NTFS permissions
- Using BitLocker in Windows 10

Managing the Windows 10 Environment

- Installing features
- Changing the computer name
- Configuring Windows 10 desktop options
- Changing the System's Virtual Memory
- Configuring a power plan
- Configuring the power button to the switch user option
- Setting up a VPN connection
- Enabling remote desktop
- Configuring Services

Planning and Managing Microsoft Intune

- Setting up a Microsoft Intune account
- Creating a device group
- Creating an Intune policy
- Enrolling a device in Intune

Configuring Applications

- Installing Hyper-V
- Setting the Microsoft Account

Managing Identity and Authorization

- Creating new users using MMC
- Disabling user accounts
- Deleting user accounts
- Changing a user's password
- Renaming a user account

- Adding a user to an existing group
- Assigning home folders
- Creating local groups
- Adding accounts to groups
- Adding the Local Computer Policy snap-in
- Configuring password policy
- Applying a User-Rights Policy
- Configuring account-lockout policies
- Configuring audit policies
- Viewing UAC effects on accounts

Configuring Network Connectivity

- Viewing the network connection details
- Viewing wireless network connection properties
- Accessing the Windows 10 Wireless Properties
- Configuring a static TCP/IP address
- Connecting a Windows 10 machine to the domain
- Creating a new inbound rule

Configuring Recovery

- Using boot logging
- Creating a system image
- Backing Up Files
- Restoring Files
- Creating a Restore Point
- Using the recycle bin
- Restoring a Restore Point

Here's what you get

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LIVE LABS

71
VIDEO TUTORIALS

01:19
HOURS

15. 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.

Have Any Query? We Are Happy To Help!

GET IN TOUCH:

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