Course Out

MCSA - Windows 7, Configu
Lab)



28 Mar 2024

Contents

1. Course Objective
2. Pre-Assessment
3. Exercises, Quizzes, Flashcards & Glossary

   Number of Questions
4. Expert Instructor-Led Training
5. ADA Compliant & JAWS Compatible Platform
6. State of the Art Educator Tools
7. Award Winning Learning Platform (LMS)
8. Chapter & Lessons

   Syllabus

   Chapter 1: Installing Windows 7

   Chapter 2: Automating the Windows 7 Installation

   Chapter 3: Managing Disks

   Chapter 4: Managing the Windows 7 Environment

   Chapter 5: Configuring Hardware and Applications

   Chapter 6: Managing Users, Groups, and Security

   Chapter 7: Configuring Network Connectivity

   Chapter 8: Monitoring and Maintaining Windows 7

   Chapter 9: Configuring Backups and Recovery

   Chapter 10: Appendix A

   Videos and How To
9. Practice Test

   Here's what you get

   Features
10. Performance Based labs

    Lab Tasks

Here's what you get

11. Post-Assessment

1. Course Objective

Gain hands-on expertise in Microsoft 70-680 certification exam by 70-680 - Microsoft Windows 7, Configuring 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. 70-680 - Microsoft Windows 7, Configuring certification program validates the skills and expertise of a candidate required for installing, upgrading, and migrating to Windows 7; and configuring network connectivity issues, backup and recovery option.

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.

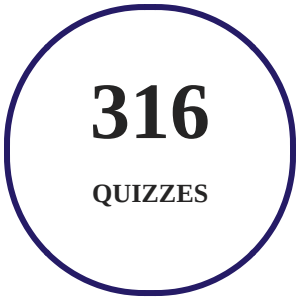
3. Exercises

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.



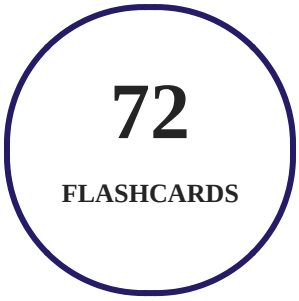
4. Quizzes

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: Installing Windows 7

- Introducing Windows 7
- Windows 7 Architecture
- Preparing to Install Windows 7

- Installing Windows 7
- Summary
- Exam Essentials
- Review questions

Chapter 2: Automating the Windows 7 Installation

- Understanding Automated Deployment Options
- Deploying Unattended Installations
- Summary
- Exam Essentials
- Review questions

Chapter 3: Managing Disks

- Configuring File Systems
- Configuring Disk Storage
- Using the Disk Management Utility
- Managing Storage
- Troubleshooting Disk Management

- Managing Data Compression
- Managing Data Encryption with EFS
- Understanding RAID
- Using Disk-Maintenance Tools
- Summary
- Exam Essentials
- Review questions

Chapter 4: Managing the Windows 7 Environment

- Configuring the Windows 7 Operating System
- Configuring Remote Connections
- Configuring Mobile Computing
- Configuring Advanced Power Settings
- Managing Windows 7 Services
- Summary
- Exam Essentials
- Review questions

Chapter 5: Configuring Hardware and Applications

- Configuring Hardware
- Managing I/O Devices
- Managing Applications
- Understanding Internet Explorer
- Summary
- Exam Essentials
- Review questions

Chapter 6: Managing Users, Groups, and Security

- Overview of Windows 7 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
- Using Advanced Security Options
- Understanding BitLocker Drive Encryption

- Understanding AppLocker
- Understanding Smart Cards
- Managing File and Folder Security
- Managing Network Access
- Summary
- Exam Essentials
- Review questions

Chapter 7: Configuring Network Connectivity

- Understanding Networking
- Configuring Windows 7 NIC Devices
- Understanding TCP/IP
- Configuring Windows 7 on a Network
- Configuring Windows Firewall
- Configuring Remote Management
- Understanding BranchCache
- Using DirectAccess
- Understanding Virtualization

- Summary
- Exam Essentials
- Review questions

Chapter 8: Monitoring and Maintaining Windows 7

- Optimizing Windows 7 with Performance Monitor
- Using Reliability Monitor
- Using Other Windows 7 Tools to Discover System Information
- Using System Configuration
- Setting Up Task Scheduler
- Using Event Viewer
- Summary
- Exam Essentials
- Review questions

Chapter 9: Configuring Backups and Recovery

- Safeguarding and Recovery Basics
- Using Advanced Boot Options

- Using the Startup Repair Tool
- Maintaining Windows 7 with Backup and Restore
- Using System Protection
- Summary
- Exam Essentials
- Review questions

Chapter 10: Appendix A

- Certification Objectives Map

Videos and How To

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

37	38
VIDEOS	MINUTES

12. Practice Test

Here's what you get

55	5	55
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. 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
- Configuring automatic updates
- Using the Windows 7 upgrade advisor
- Installing MDT 2013
- Creating an extended volume
- Converting a basic disk to a dynamic disk
- Adding an MMC snap-in
- Creating a new volume
- Editing a drive letter
- Deleting a partition
- Compressing and uncompressing folders
- Encrypting a folder
- Specifying DRA through the Local Security Policy
- Using the local security policy
- Using the cipher utility
- Defragmenting a drive
- Running the disk cleanup utility
- Using the check disk utility
- Configuring Windows 7 theme options
- Changing a computer name
- Installing features
- Changing an account picture
- Setting the system's virtual memory
- Setting up a VPN connection
- Enabling remote desktop
- Enabling the hibernate feature

- Configuring a power plan
- Configuring the power button
- Configuring services
- Updating a driver
- Viewing available options of a printer
- Rolling Back a Driver
- Configuring advanced network adapter properties
- Viewing driver details
- Verifying signed drivers
- Installing a shared network print device
- Managing documents in the Local Queue
- Removing a printer
- Adding a local printer
- Printing a test page
- Viewing the print queue
- Installing a printer
- Configuring an input/output device
- Stopping the print spooler service
- Changing a user's password
- Renaming a user account
- Limiting user access via Local Users and Groups
- Deleting a user account
- Disabling user accounts
- Creating a new user account
- Adding a user to an existing group
- Configuring a user profile
- Adding accounts to groups
- Creating a local group
- Adding the Local Computer Policy snap-in
- Accessing an LGPO
- Configuring account-lockout policies
- Configuring the password policies
- Checking how UAC affects accounts
- Accessing the Windows wireless properties
- Viewing wireless network connection properties

- Viewing the network connection details
- Configuring a static TCP/IP Address
- Optimizing laptop's performance
- Setting processes
- Setting log properties
- Scheduling a task
- Creating a system image
- Saving the backup settings
- Creating a restore point
- Accessing a restore point
- Restoring files
- Mounting a system image VHD file

Here's what you get

73	73	53
PERFORMANCE BASED LAB	VIDEO TUTORIALS	MINUTES

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.

GET IN TOUCH: