Course Out

Microsoft Azure Administ



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1. Course Objective

Kick start your prep for the AZ-104 exam with the Microsoft Azure Administrator AZ-104 course and lab. The lab provides a hands-on learning experience in a safe and online environment. Interactive chapters comprehensively cover AZ-104 exam objectives and provide the knowledge required to deploy and manage Azure compute resources, configure and manage virtual networking, monitor and back up Azure resources, and many 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. 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.

4. 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.

5. 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.

6. 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

7. 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

- Organization of this course
- Preparing for the exam
- Microsoft certifications
- Quick access to online references

Chapter 2: Manage Azure identities and governance

- Skill 1.1: Manage Azure Active Directory (AD) objects
- Skill 1.2: Manage role-based access control (RBAC)
- Skill 1.3: Manage subscriptions and governance
- Thought experiment
- Lesson summary

Chapter 3: Implement and manage storage

- Skill 2.1: Manage storage accounts
- Skill 2.2: Manage data in Azure Storage
- Skill 2.3: Configure Azure Files and Azure Blob Storage
- Thought experiment
- Lesson summary

Chapter 4: Deploy and manage Azure compute resources

- Skill 3.1: Con?gure VMs for high availability and scalability
- Skill 3.2: Automate deployment and con?guration of VMs
- Skill 3.3: Create and con?gure VMs
- Skill 3.4: Create and con?gure containers
- Skill 3.5: Create and con?gure web apps
- Thought experiment
- Lesson summary

Chapter 5: Configure and manage virtual networking

- Skill 4.1: Implement and manage virtual networking
- Skill 4.2: Configure name resolution

- Skill 4.3: Secure access to virtual networks
- Skill 4.4: Configure load balancing
- Skill 4.5: Monitor and troubleshoot virtual networking
- Skill 4.6: Integrate an on-premises network with an Azure virtual network
- Thought experiment
- Lesson summary

Chapter 6: Monitor and back up Azure resources

- Skill 5.1: Monitor resources by using Azure Monitor
- Skill 5.2: Implement backup and recovery
- Thought experiment
- Lesson summary

8. Practice Test

Here's what you get

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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.

9.  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

Implement and manage storage

- Creating a Storage Account
- Implementing Azure Storage Replication
- Uploading and Downloading Blobs with the Azure Portal
- Creating and Managing Azure File Shares with the Azure Portal

Deploy and manage Azure compute resources

- Configuring a High Availability Set
- Creating and Deploying Azure Resource Manager Templates by Using the Azure Portal
- Downloading the Template for a VM
- Creating a Virtual Machine
- Attaching a Managed Data Disk to a Windows VM by Using the Azure Portal

Configure and manage virtual networking

- Attaching Network Interfaces
- Creating and Configuring VNet Peering
- Creating a Virtual Network
- Creating a Network Security Group
- Creating a Firewall
- Creating a Load Balancer
- Creating an Azure VPN gateway
- Creating an Azure ExpressRoute

Monitor and back up Azure resources

- Configuring the Recovery Services Vault

Here's what you get

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LIVE LABS

10. 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.

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