

Azure Fundamentals (Exam AZ-900), Videos & Skill Labs Set

Course Specifications

Course Number: ACI77-015VL_rev1.0

Video and Lab Length: Approximately 11 hours, 47 minutes

Course Introduction

Azure Fundamentals (AZ-900) is designed to build Azure platform basics through guided practice, these labs introduce essential cloud concepts, the Azure platform, resource groups, networking fundamentals, and virtual machines—making them ideal for Azure beginner pathways.

Video Enhanced Learning

(6h 47m * 3 Modules * 25 Episodes)

We've enhanced select lab sets with targeted video content to strengthen student readiness and improve lab success. With focused video learning, students get reinforcement of core concepts before they enter the lab, giving them the confidence and context needed to apply skills effectively. Support diverse learning styles, improve lab readiness, and drive stronger outcomes across today's most in-demand skills.

Video Topics

1. Overview
2. Consumption-based Model
3. Benefits of Cloud Computing
4. Cloud Services
5. Cloud Computing Models
6. Azure Regions and Availability Zones
7. Resource Groups and Resource Manager
8. Subscriptions and Management Groups
9. Azure Compute Services
10. Azure Networking Services
11. Azure Storage Services
12. Azure Identity Services

Course Outline

13. Conditional Access, MFA, and SSO
14. Defense in Depth
15. Microsoft Defender for Cloud
16. Azure Security Solutions
17. Plan and Manage Costs
18. Policy, Blueprints and Locks
19. Azure Role-based Access Control
20. Service Trust Portal
21. Azure Portal and Azure Arc
22. Azure PowerShell, Azure CLI and Cloud Shell
23. Azure Resource Manager Templates
24. Azure Advisor and Service Health
25. Monitor, Alerts, Analytics and Insights

Skill Labs

(5h * 5 Labs)

A **skills lab** is a guided, hands-on learning environment that allows students to practice real-world tasks in a safe, virtual setting. Instead of simply reading or watching videos, learners actively do the work—navigating realistic scenarios, applying concepts, troubleshooting issues, and building confidence through practical experience. This ensures that theory becomes usable skill. Skill labs are essential for developing true workplace readiness because they mirror real systems, tools, and challenges, helping learners bridge the gap between knowledge and performance. By completing a skills lab, students gain the hands-on competence employers expect and are better prepared for both assessments and real job responsibilities.

Skill Labs Topics

1. Cloud Essential Concepts (PLAB-AZ1)
2. The Azure Platform (PLAB-AZ1)
3. Azure Resource Groups (PLAB-AZ1)
4. Azure Networking Concepts (PLAB-AZ1)
5. Azure Virtual Machines (PLAB-AZ1)