

CompTIA Cloud+ (Exam CV0-004), Videos & Skill Labs Set

Course Specifications

Course Number: ACI77-009VL_rev1.0

Video and Lab Length: Approximately 34 hours, 53 minutes

Course Introduction

Immerse yourself in the expansive world of cloud computing with our CompTIA Cloud+ course, designed to equip you with up-to-date skills and knowledge needed to excel in the 2024 CompTIA Cloud+ exam. This comprehensive course explores an array of topics, such as cloud configurations, deployments, security protocols, systems and network management, and disaster recovery strategies, among others. Each video is curated to offer in-depth insights on complex cloud concepts, simplifying them for your understanding. From operating various cloud models to strategizing effective business continuity plans, you'll be guided by experts in the field who share real-world examples and tips, providing you the practice and confidence to tackle any cloud computing scenario. By the end of this course, you won't just be prepared for the exam but equipped to excel in your cloud computing career.

Video Enhanced Learning

(16h 53m * 7 Modules * 64 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. Course Overview
2. As a Service Models
3. Shared Responsibility Model
4. Resource Availability
5. Disaster Recovery
6. Multicloud Tenancy
7. Connections to the Cloud
8. Network Components

Course Outline

9. Network Services
10. Storage and Disk Types
11. Tiered Storage
12. Managed Services
13. Microservices
14. Stand-alone vs Orchestrated
15. Supporting Containers
16. Key Concepts
17. Network Types
18. Storage Types
19. Billing Models
20. Other Cost Topics
21. Types of Databases
22. Database Deployment Options
23. Compute Resources
24. Orchestration and Workflows
25. Networking and Storage
26. AI
27. IoT
28. Examining Cloud Deployment Models
29. Examining Cloud Migration Types
30. Cloud Migration Considerations
31. Examining Application Migration Strategies
32. Examining IaC and CaC
33. Examining Scripting Logic
34. Examining Cloud Resource Provisioning Requirements
35. Achieving Cloud Observability Using Alerting
36. Achieving Cloud Observability Using Logging and Monitoring
37. Achieving Cloud Observability Using Tracing
38. Examining Cloud Scaling Types
39. Examining Scaling Approaches
40. Examining Data Recovery Activities and Strategies
41. Examining Backup Types
42. Data Backup Activities and Strategies

Course Outline

43. Examining Cloud Resource Lifecycle Management
44. Cloud Vulnerability Management
45. Cloud Compliance Concepts
46. Security Standards Concepts
47. Secure Access to Management and Resources
48. Secure Authentication Models
49. Secure Authorization Models
50. Logs and Auditing
51. Cloud Security Best Practices
52. Common Cloud Security Controls
53. Common Cloud Attacks
54. Examining Version Control Systems
55. Implementing Version Control
56. Examining CI-CD Pipelines
57. Examining CI-CD Pipeline Components
58. Examining Event-Driven Architectures in DevOps
59. Examining Web Services in DevOps
60. Examining DevOps Tools
61. Implementing Cloud Development Strategies
62. Troubleshooting Cloud Deployment Issues
63. Troubleshooting Cloud Networking Issues
64. Troubleshooting Cloud Security Issues

Skill Labs

(18h * 18 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 Service Models
2. Service Availability Concepts
3. Introduction to Cloud Networking Concepts
4. Cloud Storage Concepts
5. Introduction to Virtualization
6. Cloud Database Concepts
7. Cloud Deployment Models (CV0-004)
8. Code-based Cloud Deployment and Configuration
9. Provisioning Cloud Resources (CV0-004)
10. Configuring Logging in the Cloud
11. Implementing Cloud Security Controls
12. Implementing Cloud Backup Solutions
13. Cloud Vulnerability Management
14. Cloud Resource Access Management
15. Cloud Security Best Practices
16. Cloud Security Monitoring Techniques (CV0-004)
17. Cloud DevOps Fundamentals