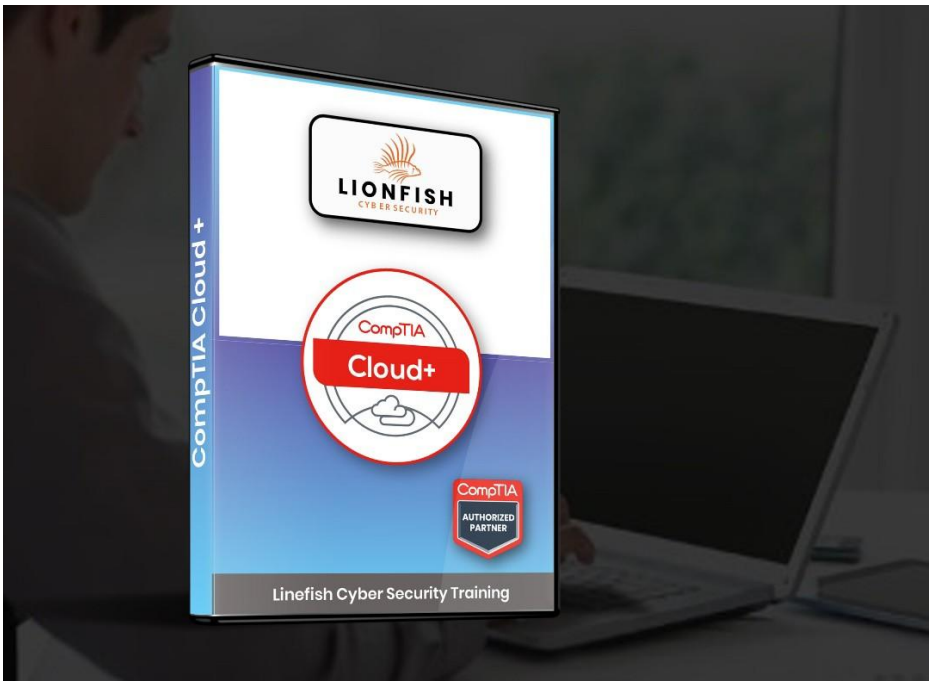
Lionfish Cyber Security Course Syllabus:

CompTIA Cloud+ (CV0-002)

Interactive and entertaining talk-show style format presented by industry leading experts.

- 25+ hours of virtual training, practice exams, and study.
- Receive a Certificate of completion
- Presented by highly qualified, industry leading experts
- 12 Months Access *(Unless indicated otherwise)*
- * The CompTIA bundle comes with online practice exams.



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Description

CompTIA Cloud+ covers the diverse knowledge and skills that systems administrators need. Cloud-based infrastructure services are an increasing part of IT systems. This vendor-neutral certification helps you certify your knowledge of cloud services.

Curriculum Overview

Cloud+ covers the increased diversity of knowledge, skills and abilities required of system administrators to validate what is necessary to perform effectively in data center jobs. It includes the new technologies to support the changing cloud market as more organizations depend on cloud-based technologies to run mission critical systems, and hybrid and multi-cloud have become the norm. CompTIA Cloud+ views cloud-based infrastructure services as an increasingly important piece of an organization's IT systems.

Objectives

- Cloud Specialist
- Cloud Engineer
- Cloud Developer
- System Administrator
- Systems Engineer
- Network Administrator
- Network Engineer

Prerequisites

- Students have some applied knowledge of computers, networks, and cybersecurity principles.
- Knowledge of common cloud deployment models (Private, Public, Hybrid)
- 2-3 years of experience in system administration

Target Audience

- Clearly written and structured.
- Flexible so you can learn at any pace.
- Focused on your exam success.

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Syllabus

	Comptia Cloud+
#	Episode Name
1	0.01 Cloud+ Exam Info
2	0.02 What Can Cloud+ Do for You?
3	0.03 Preparing for the Cloud+ Exam
Introducing the Cloud	
1	1.01 Setting up Your Cloud Accounts
2	1.02 Defining the Cloud
3	1.03 Deployment Models
4	1.04 Public Cloud (Demo)
5	1.05 Private Cloud (Demo)
6	1.06 Community Cloud (Demo)
7	1.07 Hybrid Cloud (Demo)
8	1.08 Additional Models
9	1.09 Cloud Architectures
10	1.10 Capacity, Elasticity, and Support Agreements
11	1.11 Resource Balancing
12	1.12 Change Management
System Requirements for Cloud Deployments	
1	2.01 Deployment Example Objectives Explained
2	2.02 Cloud Component Interactions, Part 1
3	2.03 Cloud Component Interaction, Part 2
4	2.04 Non-Cloud Component Interactions
5	2.05 Platforms and Applications
6	2.06 Baselines (Lab)
7	2.07 Target Hosts
8	2.08 Existing Systems (Lab)
9	2.09 Architecting for Elements and Targets (Demo)
10	2.10 Selecting Deployment Tools (Demo)
11	2.11 Executing a Deployment Plan (Demo)
12	2.12 Evaluating Testing Plans
13	2.13 Testing Techniques
14	2.14 Analyze Testing Results
15	Baseline Confirmation (Lab)
16	Deployment Problem Resolution (Lab)

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Cloud Storage	
1	3.01 Cloud Storage Types
2	3.02 Provisioning Storage
3	3.03 Storage Protection Capabilities
4	3.04 Storage Features
5	3.05 Access Protocols
6	3.06 Storage Management (Demo)
7	3.07 Storage Security (Lab)
8	3.08 Disaster Recovery Capabilities (Demo)
9	3.09 Disaster Recover Considerations
10	3.10 Business Continuity Plan (Lab)

Cloud Compute	
1	4.01 Compute Introductions
2	4.02 CPU Capabilities
3	4.03 Memory Requirements
4	4.04 Performance Considerations
5	4.05 Cost Considerations
6	4.06 Energy Savings
7	4.07 Dedicated vs. Shared Compute
8	4.08 High Availability and Disaster Recovery for Compute
9	4.09 Monitoring (Lab)
10	4.10 Forecasting
11	4.11 Policies

Cloud Networking	
1	5.01 Network Components (Demo)
2	5.02 Network Protocols
3	5.03 Network Ports (Lab)
4	5.04 Virtual Private Networks (VPNs)
5	5.05 IDS/IPS
6	5.06 Segmentation
7	5.07 Network SLAs and Change Management
8	5.08 Networking in Different Models

Cloud Security	
1	6.01 Secuirty Policies
2	6.02 Standards and Compliance Demo
3	6.03 Identity, Authentication, and Authorization
4	6.04 Multi-Factor Authentication
5	6.05 Authorization (Lab)

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6	6.06 Encryption

7	6.07 Compute Security (Demo)
8	6.08 Account Management (Lab)
9	6.09 Segmentation (Lab)
10	6.10 Security Tools (Demo)
11	6.11 Security Services
12	6.12 Security Automation and Orchestration
13	6.13 Models and Security

Migration Types

1	7.01 Migration Types
2	7.02 Workload Management
3	7.03 Virtualizing Physical Systems
4	7.04 Migrating Security
5	7.05 Protocols and Services
6	7.06 Environmental Constraints

Planning Patch Management

1	8.01 Planning Patch Management
2	8.02 Manual Patch Management
3	8.03 Automated Patch Management (Lab)
4	8.04 Update Types
5	8.05 Automated Workflows (Lab)
6	8.06 Backup Types (Lab)
7	8.07 Backup Targets and Options
8	8.08 Maintenance Automation Techniques
9	8.09 Maintenance Automation Tasks
10	8.10 Provisioning and Deprovisioning
11	8.11 Application Life Cycle
12	8.12 Monitoring and Reporting
13	8.13 Monitoring Metrics

Troubleshooting Cloud Solutions

1	9.01 Troubleshooting Methodology
2	9.02 Troubleshooting Deployment
3	9.03 Troubleshooting Capacity
4	9.04 Troubleshooting automation and Orchestration
5	9.05 Troubleshooting Connectivity
6	9.06 Troubleshoot Security

Prepare for the CompTIA Cloud+ exam with the excellent TotalTester practice tests. The 400+ questions mirror the questions you'll see on the real exam; enabling you to practice on test questions and assess your skill and knowledge of the material. Get certified the best way, the TotalTester way!

- Applies to the current CV0-002 exam
- Includes over 400 questions
- Requires Windows, macOS, Chrome OS, or Linux (iOS and Android not supported)
- Single-user license

Question Pool Sources
- *CompTIA Cloud+ Certification Study Guide* by Daniel Lachance
- *CompTIA Cloud+ Certification Practice Exams* by Daniel Lachance

TotalTester Features

Testing Modes
- Practice Mode: tests with hints and answer explanations
- Exam Mode: just like the real thing, no help, just you and the questions
- Results graded by topic for easy review

Customized Tests
- Filter questions by exam objectives
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- Choose the number of questions on your practice test
- Set your own time limit

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Sample Certificate when completed each course

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Lionfish Cyber Security has partnered with Instructor Mike Myers & Total Seminars to bring you best in class training, Labs and Practice exams.

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