

CompTIA CLO-002 Exam Prep 2026

CompTIA CLO-002 Cloud Essentials+ 2026. Cloud models, security, compliance, and cost management.

[IT Certifications](#) Instructor: Brian Mitchell • 5 sections • 45 lessons • 13.00h total

[View this course online](#) [Browse all courses](#)

About this course

This course is for IT professionals and career-changers who need a structured, practical approach to passing the CompTIA CLO-002 exam. We focus on real cloud concepts and exam strategies, not just theory, to help you prepare for the 2026 edition.

You will learn how to navigate cloud service models, understand security and compliance in cloud environments, and apply cost management strategies. The course includes video lessons, downloadable study guides, and practice questions that mirror the actual exam format.

Course curriculum

Exam Foundations and Cloud Basics

- **Understanding the CLO-002 Exam Structure (12m)**
Get a clear breakdown of the exam format, domains, and scoring to plan your study strategy effectively.
- **Core Cloud Concepts and Terminology (18m)**
Learn key terms like IaaS, PaaS, SaaS, and public/private cloud with real-world examples.
- **How Cloud Computing Models Work (25m)**
We'll show you the differences between deployment models and when to use each one.
- **Virtualization Basics for Cloud (15m)**
Step-by-step guide to understanding hypervisors and virtual machines in cloud environments.
- **Networking in the Cloud (22m)**
Learn how cloud networking differs from traditional setups with a practical case study.
- **Storage Solutions Overview (14m)**
Compare block, file, and object storage with downloadable comparison charts.
- **Setting Up Your Study Plan (8m)**
Create a personalized study schedule using our downloadable template and time management tips.

Cloud Security and Compliance

- **Cloud Security Fundamentals (20m)**
Learn the shared responsibility model and how to secure cloud resources from day one.
- **Identity and Access Management (IAM) (18m)**
Step-by-step guide to configuring IAM policies and best practices for access control.
- **Data Protection Strategies (24m)**
Understand encryption, backups, and disaster recovery with real case study analysis.
- **Compliance in Cloud Environments (16m)**
Learn about GDPR, HIPAA, and other regulations affecting cloud deployments.
- **Network Security for Cloud (19m)**
Explore firewalls, VPNs, and security groups with practical configuration examples.
- **Threat Detection and Monitoring (21m)**
How to use cloud-native tools for security monitoring and incident response.
- **Security Best Practices Checklist (10m)**
Downloadable checklist and problem-solving session for implementing security measures.
- **Practice Questions: Security Domain (14m)**
Test your knowledge with exam-style questions and detailed explanations.

Cloud Operations and Management

- **Cloud Service Level Agreements (SLAs) (15m)**
Learn how to read and evaluate SLAs with real-world contract examples.

- **Monitoring Cloud Performance (17m)**
Step-by-step guide to setting up alerts and dashboards for key metrics.
- **Automation in Cloud Management (22m)**
We'll show you how to use scripts and tools to automate routine tasks.
- **Resource Scaling Strategies (19m)**
Understand auto-scaling, load balancing, and when to scale up or down.
- **Disaster Recovery Planning (25m)**
Create a DR plan using a downloadable template and test it with case studies.
- **Vendor Management in Cloud (13m)**
Learn how to evaluate and manage multiple cloud vendors effectively.
- **Troubleshooting Common Cloud Issues (20m)**
Problem-solving session covering connectivity, performance, and service outages.
- **Practice Questions: Operations Domain (12m)**
Exam-style questions focused on cloud operations and management.

Cost Management and Business Value

- **Cloud Cost Models and Pricing (18m)**
Compare pay-as-you-go, reserved instances, and spot pricing with cost examples.
- **Budgeting for Cloud Services (16m)**
Step-by-step guide to forecasting and controlling cloud spending.
- **Cost Optimization Techniques (21m)**
Learn how to identify and eliminate waste with real cost-saving case studies.
- **Total Cost of Ownership (TCO) Analysis (23m)**
Use our downloadable TCO calculator to compare on-premises vs. cloud costs.
- **Cloud ROI and Business Justification (19m)**
How to build a business case for cloud adoption with measurable benefits.
- **Service Selection for Cost Efficiency (15m)**
Practical tips for choosing the right services without overspending.
- **Monitoring and Reporting Costs (14m)**
Set up cost dashboards and alerts using cloud provider tools.
- **Practice Questions: Cost Management Domain (11m)**
Test your cost management knowledge with scenario-based questions.
- **Real Case: Cost Savings in a Mid-Size Company (20m)**
Analyze a detailed case study of successful cloud cost optimization.

Advanced Exam Strategies and Final Prep

- **Multiple-Choice Questions (17m)**
Techniques for eliminating wrong answers and selecting the best option.
- **Handling Scenario-Based Questions (19m)**
Step-by-step method for breaking down complex scenarios and finding solutions.
- **Time Management During the Exam (12m)**
Create a pacing strategy with our timed practice session template.

- **Reviewing Key Domains: Security (16m)**
Quick review session with flashcards and key points to remember.
- **Reviewing Key Domains: Operations (15m)**
Focused recap of operations concepts with practice drills.
- **Reviewing Key Domains: Cost Management (14m)**
Final review of cost models and optimization strategies.
- **Full-Length Practice Exam (Part 1) (35m)**
Simulate the first half of the exam with 50 questions and instant feedback.
- **Full-Length Practice Exam (Part 2) (35m)**
Complete the second half of the practice exam and review detailed explanations.
- **Analyzing Your Practice Exam Results (18m)**
Learn how to identify weak areas and create a targeted review plan.
- **Final Week Study Plan (10m)**
Downloadable weekly schedule for last-minute preparation and confidence building.
- **Exam Day Checklist and Tips (8m)**
What to bring, how to stay calm, and last-minute reminders for success.
- **Beyond the Exam: Next Steps in Cloud Career (15m)**
Explore further certifications and career paths in cloud computing.
- **Course Wrap-Up and Resources (7m)**
Summary of key takeaways and access to all downloadable materials for future reference.

Discover our blog

Learn more with free articles written by our professors and guest experts.

Latest article: **Flight Attendant Preparation: What to Study Before You Apply**

[Visit the blog](#) [All courses](#) [This course](#)