

# CompTIA Cloud Essentials+ (CLO-002)

This foundational CompTIA Cloud Essentials+ training prepares learners to take the CLO-002 exam, which is the one exam required to earn the Cloud Essentials+ certification. The course covers how to think about the concerns, opportunities, vulnerabilities and benefits that come with migrating an organization's networks and data to the cloud.

[CBT Nuggets course material](#) →

<b>WEEK 1</b>	<b>Explain Cloud Principles</b>	<b>155 min.</b>
	Explaining Cloud Principles	2
	Cloud Characteristics	12
	Shared Responsibility	8
	Infrastructure-as-a-Service	6
	Platform-as-a-Service	8
	Software-as-a-Service	9
	Deployment Models	9
	<b>Identify Cloud Networking Concepts</b>	
	Overview	1
	Identifying Cloud Networking Concepts	1
	Connectivity Types	13
	Access Types	11
	Software Defined Networks	8
	Load Balancers	10
	Name Resolution and Domain Name System	11
	Filtering Network Traffic with Firewalls	12
	<b>Identify Cloud Storage Technologies</b>	
	Overview	1
	Identifying Cloud Storage Technologies	2
	Cloud Storage Features	16
	Cloud Storage Characteristics	13
<b>WEEK 2</b>		<b>151 min.</b>
	Block Storage	5

File Storage	7
Object Storage	12
Software-Defined Storage	8
Content Distribution Networks	12

### Identify Cloud Survivability Patterns

Overview	1
Identifying Cloud Survivability Patterns	2
Recovery Time Objective	10
Recovery Point Objective	8
Redundant Redundancy	6
High Availability	10
Disaster Recovery	8
Hybrid Cloud Disaster Recovery Patterns	10

### Perform Cloud Assessments

Overview	1
Performing Cloud Project Assessments	3
Gap Analysis	10
Gather Requirements	10
Working with Stakeholders	9
Baselines, Benchmarks, and Reporting	17

## WEEK 3

**159 min.**

Documentation and Diagrams	10
Feasibility Study	8

### Plan for Cloud Deployment Finances and Reporting

Overview	1
Cloud Finances and Reporting	1
Service Usage & Plans	22
Budgeting	11
Bills and Billing	11
Licensing and License Management	14
Maintenance and Optimization	10
Cloud Account Management	10

### Plan for Cloud Migration and Vendor Relations

Overview	1
Cloud Migrations and Vendor Relations	2
Evaluate Cloud Solutions	9
Training and Up-Skilling	12
Professional Services	15
Statement of Work	11
Service Level Agreements	9

## WEEK 4

**155 min.**

Open Source vs Proprietary Software	14
Migration Approaches	17

### Identify Benefits of Utilizing Cloud Services

Overview	1
Benefits of Utilizing Cloud Services	2
Big Data, Machine Learning, and Artificial Intelligence	12
Marketing Campaigns	7

Service Subscriptions	13
Self-Service Catalogs	12
Collaboration Tools	10

### Identify Cloud Service Architectures

Overview	1
Cloud Service Architectures and Patterns	2
Identity and Access Management	15
Microservices and Containers	13
Event-driven Behavior	7
Blockchain	11
Virtual Desktop Infrastructure	16

## WEEK 5

### Plan for Cloud DevOps

165 min.

Overview	1
Planning for Cloud DevOps	2
Defining DevOps	8
Provisioning Cloud Resources	12
Continuous Integration, Deployment, and Delivery	11
Testing and Configuration Management	9
API Integration	13

### Plan for Cloud Policies, Procedures, and Risk Management

Overview	1
Plan for Cloud Governance	1
Risk Management	13
Resource Management	10

Vendor Lock-In and Data Portability	14
Documentation	11
Policies and Procedures	12

### Plan for Cloud Security and Compliance

Overview	1
Cloud Security and Compliance	2
Threats and Vulnerabilities	9
Proactive Security Scanning	15
Data Security	17

## WEEK 6

112 min.

Application and Infrastructure Security	17
Compliance Standards and Certifications	16

### Prepare for CompTIA Cloud Essentials+ CL0-002

Overview	1
Ready for the CompTIA Cloud Essentials+?	3
Exam Resources	6
Domain 1 - Cloud Concepts	12
Domain 2 - Business Principles	16
Domain 3 - Management and Technical Operations	18
Domain 4 - Governance, Risk, Compliance, and Security	15
Final Exam prep	6