CO-CLE+
COMPTIA CLOUD ESSENTIALS

DURATION	LEVEL	TECHNOLOGY	DELIVERY METHOD	TRAINING CREDITS
2 Days	Specialist	Cloud Computing	Instructor-led	NA

INTRODUCTION

The Cloud Essentials exam covers six areas, each of which is defined and detailed throughout the course. They are the characteristics of cloud services from a business perspective, the business value offered by cloud computing, the technical perspectives involved in cloud computing, steps to successful adoption of cloud, impact and changes of cloud computing on IT service management, and the risk and consequences of cloud computing.

AUDIENCE PROFILE

The CompTIA Cloud Essentials Speciality Certification is relevant to:
– Non-technical employees: Management, customer service and operations
– Entry-level IT Personnel Interns
– IT Specialists
– IT Technical Services Specialists
– IT Relationship Managers
– IT Architects, consultants, business and IT Management
– Business Process Owners
– Analysts

PREREQUISITES

Before attending this course, delegates must have achieved the following requirements:
– 6 months of experience in an IT environment, with direct involvement in IT-related tasks, responsibilities and/or decision-making

COURSE OBJECTIVES

After completing this course, students will be able to:
– Learn the fundamental concepts of cloud computing
– Learn the business aspects and impact of cloud computing
– Differentiate the types of cloud solutions and the adoption measures needed for each
– Identify the technical challenges and the mitigation measures involved in cloud computing
– Identify the steps to successfully adopt cloud services
– Identify the basic concepts of ITIL and describe how the ITIL framework is useful in the implementation of cloud computing an organization
– Identify the possible risks involved in cloud computing and the risk mitigation measures, and you will also identify the potential cost considerations for the implementation of cloud and its strategic benefits

COURSE CONTENT

Lesson 1: Introduction to Cloud Computing
– Overview of Cloud Computing
– Evolution of the Cloud
– Specialized Cloud Services

Lesson 2: Business Value of Cloud Computing
– Business Need for Cloud Computing Cloud Scalability
– Cloud Security
– Impact of Cloud Computing on Business

Lesson 3: Technical Perspectives of Cloud Computing
– The Cloud Deployment Models
– Network Requirements for Cloud Deployment
– Automation and SelfService in Cloud Computing
– Federated Cloud Services
– Standardization

Lesson 4: Technical Challenges of Cloud Computing
– Cloud Storage
– Application Performance
– Data Integration
– Security Risks and Mitigation
– Application Architecture and the Development Process

Lesson 5: Steps to Successful Adoption of Cloud Services
– Steps to Adopting Cloud Services
– Organizational Capability to Adopt Cloud Services
– Cloud Vendor Roles and Capabilities
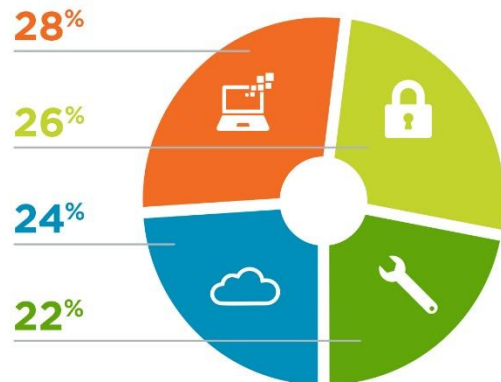– Migrating Applications to the Cloud

Lesson 6: ITIL and Cloud Computing
– Overview of ITIL
– Planning Service Strategy
– Designing Cloud Service
– Transitioning to Live Environment

- Running a Cloud Service Operation
- Continual Service Improvement with Cloud

Lesson 7: Identifying Risks and Consequences
- Organizational Risks
- Technical Risks
- Legal Risks

- Cost Evaluation for Cloud Computing
- Identify Maintenance Aspects of Strategic Flexibility

SKILLS AND COMPETENCIES COVERED

Business Principles of Cloud Environments ›

Management and Technical Operations ›

Cloud Concepts ›

Governance, Risk, Compliance and Security for the Cloud ›

28%

26%

24%

22%

ASSOCIATED CERTIFICATIONS & EXAM

This course is designed to prepare students to take the CompTIA the CompTIA CLO-001 exam. Successfully passing this exam will result in the attainment of the CompTIA Cloud Essentials Certification.