Training: CompTIA
CompTIA Cloud Essentials

TRAINING GOALS:

CompTIA Cloud Essentials is an invaluable course for business leaders who want to confidently navigate the world of cloud computing and make informed decisions that drive business success. The cloud is no longer just an IT concern, it's a strategic tool that impacts every aspect of an organization. Cloud Essentials equips you with the foundational knowledge and skills to understand cloud concepts, align cloud strategies with business goals, and effectively manage cloud-related initiatives.

Cloud Essentials provides a clear, non-technical understanding of key cloud concepts, including cloud models, services, and deployment methods. You'll gain the confidence to discuss cloud strategies and understand how the cloud can support your organization's goals. You'll learn how to align cloud deployments with your organization's needs, ensuring that the chosen solutions support business objectives. This includes understanding cloud migration strategies, scalability, and the use of cloud-native applications—all from a business perspective. Cloud Essentials also teaches you how to oversee cloud governance, including risk management, policy creation, and compliance requirements.

CompTIA Cloud Essentials is designed specifically for professionals like you who need to understand the business side of cloud computing. It's not about turning you into a technical expert, it's about empowering you to make strategic decisions, communicate effectively with technical teams, and lead your organization's cloud initiatives with confidence. By completing this course, you'll gain the tools and knowledge to drive innovation, improve efficiency, and position your business for long-term success in the cloud-driven world.

In this course, you will do the following:

- Identify Cloud Concepts.
- Apply Cloud Business Principles.
- Advise a Cloud Design.
- Operate in the Cloud.
- Manage Cloud Governance.

Jobs You Can Land With CompTIA Cloud Essentials

Compendium Centrum Edukacyjne Spółka z o.o.
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- IT Project Manager
- Business Analyst
- Business Development Manager
- IT Consultant
- Account Manager (IT Sales)
- Managed Service Provider (MSP) Personnel
- Junior System Administrator

CONSPECT:

- Identifying Cloud Concepts
  - Recognize Cloud Basics
    - Cloud Services and Business Goals
    - Cloud Computing
    - Cloud Service Models
    - Cloud Service Models
    - Software as a Service (SaaS)
    - Platform as a Service (PaaS)
    - Infrastructure as a Service (IaaS)
    - Anything as a Service (XaaS)
    - Cloud Service Components
    - Cloud Deployment Models
    - Cloud Security and the Shared Responsibility Model
  - Describe Cloud Network and Storage Technologies
    - Cloud Networking Technologies
    - Remote Access Types
    - Remote Access Types
    - Cloud Storage Technologies
    - Cloud Storage Characteristics
    - Storage Characteristics
    - Storage Types
    - Personal Cloud Storage
    - Software-Defined Storage (SDS)
    - Content Delivery Network (CDN)
  - Identify Cloud Design Components

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        - Cloud Design
        - Scaling
        - Scaling Cloud Resources
        - Risk Management in Cloud Design
        - Managing Risk in Cloud Design
- Applying Cloud Business Principles
    - Establish Cloud Vendor Relationships
        - Cloud Concepts and Business Principles
        - Professional Services
        - Formal Requests
        - Activity: RFI Interactive
        - Service Documents
        - Open-Source versus Proprietary Cloud Services
    - Identify Cloud Service Costs
        - Expenditures
        - Fixed Costs versus Variable Costs
        - Licensing Models
        - Contracts
        - Staff Training for the Cloud
        - Cloud Billing
    - Report Financial Expenditures
        - Cloud Expenditures
        - Reporting
        - Calculating Cost for Virtual Machines
        - License Types and Quantity
        - Chargebacks and Resource Tagging
        - Maintenance
        - Activity: Expense Forecast Interactive
- Advising a Cloud Design
    - Manage Cloud Design
        - Cloud Concepts, Design, and Migration
        - Initial Design Considerations
        - Cloud Assessment
        - Key Stakeholders
        - Gap Analysis
        - Disaster Mitigation

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        - Redundancy
        - Evaluations
        - Proof of Value and Proof of Concept
    - Compare Cloud Migration Strategies
        - Cloud Migration Concepts
        - Cloud Migration Phases
        - Cloud Migration Types
        - Seven Types of Cloud Migration
        - Activity: Cloud Migration Process Flow
    - Identify Cloud Service Solutions
        - Cloud-Native Applications
        - Data Analytics
        - Customer Service Offerings
        - Business Service Offerings
        - Estimating Costs for IoT and DaaS
- Operating in the Cloud
    - Describe Specialized Tech in the Cloud
        - Cloud Concepts and Technical Operations
        - Artificial Intelligence (AI) in the Cloud
        - Data Management in the Cloud
        - Data Deduplication
        - Availability Requirements
        - Disposable Resources
        - Monitoring Cloud Utilization
        - Cloud Service Optimization
        - Cloud Managed Service Providers
    - Recognize DevOps in the Cloud
        - DevOps in the Cloud
        - Continuous Integration/Continuous Delivery (CI/CD)
        - Provisioning Cloud Resources
        - Configuration Management
        - Configuration Management
        - Activity: Cloud Resource Utilization
        - API Integration
        - Application Testing
    - Explain Cloud Security Concerns

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        - The Shared Security Model
        - Cloud Security Assessments
        - Data Security
        - Application and Infrastructure Security
        - Security and Network Connections
        - DNS Resolution
- Managing Cloud Governance
    - Apply Risk Management in the Cloud
        - Cloud Concepts and Cloud Governance
        - Risk Assessment in the Cloud
        - Activity: Risk Assessment
        - Risk Documentation
        - Using a Risk Register
        - Risk Response
    - Manage Cloud Service Policies
        - Compliance and Standards
        - Standard Operating Procedures
        - Organizational Management
        - Managing Change
        - Policy Best Practices

REQUIREMENTS:

No prior experience is required-this course is designed for beginners.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by CompTIA (course completion). This course is designed to help you prepare for the CompTIA Cloud Essentials CompCert assessment, and after successfully passing the assessment at the end of the course, you will earn a Competency Certificate.

TRAINER:

Authorized CompTIA Trainer.

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