

CompTIA Cloud Essentials+

Course Outline

Module 1 – Cloud Concepts

- Understand Cloud Computing Concepts
 - Characteristics of Cloud Services from a Business Perspective
 - Cloud Computing Deployment Models
 - Cloud Service Models (IaaS, PaaS, SaaS)
 - Common Cloud Terminologies and Key Concepts
- Identify Cloud Networking Concepts
 - Basic Networking Concepts
 - Networking Differences between Cloud and Traditional IT

Module 2 – Business Principles of Cloud Environments

- Impact of Cloud on Business Processes
 - Business Benefits of Cloud Services
 - Operational vs. Capital Expenditure
 - Cost-Benefit Analysis of Cloud
 - Key Drivers for Cloud Adoption
- Risks and Consequences of Cloud Computing
 - Risk Management in Cloud Environments
 - Cloud Service Provider Risks
 - Compliance and Legal Issues in the Cloud

Module 3 – Management and Technical Operations

- Cloud Service Models Operations
 - Managing Cloud Service Models (IaaS, PaaS, SaaS)
 - Monitoring and Reporting on Cloud Usage
 - Disaster Recovery and Business Continuity in the Cloud
 - Cloud Automation and Orchestration
- Technical Aspects of Cloud Operations
 - Cloud Storage Options
 - Cloud Data Management and Governance
 - Integrating Cloud Solutions with Existing Systems

Module 4 – Governance, Risk, Compliance, and Security

- Cloud Governance and Compliance
 - Governance in the Cloud
 - Compliance Requirements and Frameworks
 - Cloud Policy Development and Enforcement
- Cloud Security Fundamentals
 - Security Responsibilities in Cloud Models
 - Data Security and Protection Measures
 - Identity and Access Management (IAM) in the Cloud
 - Common Security Threats in Cloud Environments

Module 5 – Cloud Implementation

- Implementing Cloud Solutions
 - Steps to Cloud Adoption
 - Transitioning to a Cloud Environment
 - Integration of Cloud Services with Existing Infrastructure
- Cloud Vendor Management
 - Selecting and Evaluating Cloud Vendors
 - Managing Vendor Relationships and SLAs
 - Cloud Vendor Exit Strategies