

Chapter 1 Cloud Principles and Design

Understanding Cloud Principles

Virtualization

Service Models

Deployment Models

Cloud Characteristics

Shared Responsibility Model

Exploring Cloud Design

Redundancy and High Availability

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Chapter 2 Cloud Networking and Storage

Understanding Cloud Networking Concepts

Networking: A Quick Primer

Connecting to the Cloud

Cloud Networking Services

Understanding Cloud Storage Technologies

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Cloud-Based Storage Providers

Cloud Storage Terminology

Content Delivery Networks

Chapter 3 Assessing Cloud Needs

Using Cloud Assessments

Gathering Current and Future Requirements

Using Baselines

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Conducting a Gap Analysis

Using Reporting

Understanding Benchmarks

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Understanding Cloud Services

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Cloud-Native Applications

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Performing Evaluations

Negotiating Contracts and Billing

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Lift and Shift

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CompTIA Cloud Essentials+ CLO-002

Hybrid and Phased Migrations

Chapter 5 Management and Technical Operations

Explain Aspects of Operating within the Cloud

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Explain DevOps in Cloud Environments

Provisioning

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Chapter 6 Governance and Risk

Recognize Risk Management Concepts Related to Cloud Services

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Explain Policies or Procedures

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Chapter 7 Compliance and Security in the Cloud

Identify the Importance and Impacts of Compliance in the Cloud

Data Sovereignty

Regulatory Concerns

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Explain Security Concerns, Measures, or Concepts of Cloud Operations

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Vulnerability

Security Assessments

Data Security

Application and Infrastructure Security