



Cloud Essentials

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Topics

- Introduction to Cloud Computing
- Business Perspectives
- Technical Perspectives
- Adopting Cloud Computing
- Operating Cloud Computing
- Governing Cloud Computing



Introductory Topics

- Common Terms and Definitions
- Characteristics
- Cloud Computing and Virtualization
- Early Examples of Cloud Computing
- Deployment Models



Introductory Topics

- Private Cloud
- Community Cloud
- Public Cloud
- Hybrid Cloud
- Positive Indicators for Cloud Readiness
- Negative Indicators for Cloud Readiness
- Cloud Service Categories



Business Perspectives

- Cloud Computing and Outsourcing
 - Why Outsourcing
 - Similarities and Differences
 - Common Traits



Business Perspectives

- Business Perspectives of Clouds and Cloud Services
 - Scalability
 - Capacity Planning
 - Security



Business Perspectives

- Business Value
 - Hardware Independence
 - Variable Costs



Technical Perspectives

- Differences Between Public and Private Clouds
 - Private Clouds
 - Public Clouds
 - Hybrid Clouds
 - Cloud Computing Service Models



Technical Perspectives

- Cloud Computing Deployment
 - Networking
 - Automation and Self-Service
 - Federation
 - Standardization



Technical Perspectives

- Risks and Challenges
 - Application Performance
 - Data Replication
 - Data Integration
 - Network Security



Technical Perspectives

- Impact on Application Development and Architecture
 - Development Process
 - Application Architecture



Adopting Cloud Computing

- Steps for Successful Cloud Adoption
 - Cloud Computing Myths
 - Adopting Service Models
- Vendor Roles and Capabilities
 - Vendor and Provider Dependencies



Adopting Cloud Computing

- Realizing Cloud Benefits
 - Organizational Capabilities
 - Organization Roles and Skills
- Migrating Applications to the Cloud



Operating Cloud Computing

- Changes on IT Service Management
 - Impact on Service Management Processes
- Impact of Cloud Computing
 - On ITIL



Governing Cloud Computing

- Integrating Cloud Computing
 - Identify Challenges
 - Risk Management
- Impact on
 - Direct Cost and Cost Allocations
- Maintaining Strategic Flexibility
 - Exit Strategy
 - Strategic Options



Exam Resources

- <https://www.exam-labs.com/exam/CLO-001>