

Cloud Essentials+ (CLO-002) Certification Training Curriculum

Module 1: Cloud Concepts

- Defining Cloud Computing
- Cloud Service Models (IaaS, PaaS, SaaS)
- Cloud Deployment Models (Public, Private, Hybrid, Community)
- Cloud Characteristics (Elasticity, Scalability, On-Demand)
- Virtualization and Cloud Architecture
- Shared Responsibility Model

Module 2: Business Principles of Cloud Environments

- Business Use Cases for Cloud
- CapEx vs. OpEx (Financial Models)
- Cost Benefit Analysis and ROI
- Vendor Management in the Cloud
- SLA and Contractual Obligations
- Business Impact of Cloud Adoption

Module 3: Management and Technical Operations

- Cloud Service Lifecycle
- Provisioning and De-provisioning
- Monitoring and Reporting
- Resource Optimization
- Tools for Cloud Management
- Interoperability and Portability

Module 4: Governance, Risk, Compliance, and Security

- Data Governance and Policies
- Risk Management and Assessment
- Regulatory Compliance (GDPR, HIPAA, etc.)
- Cloud Security Principles
- Identity and Access Management (IAM)
- Encryption and Data Protection

Module 5: Cloud Migration and Adoption

- Migration Strategies (Rehost, Refactor, Rebuild, Replace)
- Assessing Readiness and Compatibility
- Planning and Executing Cloud Migrations
- Managing Change During Migration
- Measuring Success Post-Migration

Module 6: Business Continuity and Disaster Recovery

- Designing for Availability
- Backup and Recovery Plans
- Disaster Recovery Strategies (RTO, RPO)
- Testing and Validation
- Incident Response in Cloud Environments

Module 7: Hybrid and Multi-Cloud Strategies

- Advantages and Trade-offs
- Use Cases for Hybrid Models
- Avoiding Vendor Lock-In
- Cloud Federation and Integration Tools

Module 8: Final Review and Exam Preparation

- Key Concepts Recap
- Practice Questions and Exam Simulation
- Study Tips and Exam Strategy
- Certification Path Guidance