INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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AWS Business Essentials

Introduction to AWS Cloud Computing

- Overview of Cloud Computing: Definitions, benefits, and adoption trends
- AWS Cloud: Evolution and global infrastructure overview
- AWS Global Infrastructure: Regions, Availability Zones, Edge Locations

AWS Core Services Overview

- Compute Services: Amazon EC2 (Elastic Compute Cloud), Auto Scaling, AWS Lambda
- Storage Services: Amazon S3 (Simple Storage Service), Amazon EBS (Elastic Block Store)
- Networking Services: Amazon VPC (Virtual Private Cloud), AWS Direct Connect, Amazon CloudFront

AWS Security and Compliance

- AWS Shared Responsibility Model: Security of the cloud vs. security in the cloud
- AWS Identity and Access Management (IAM): Users, Groups, Roles, Policies
- Compliance Programs and Certifications: GDPR, HIPAA, SOC, and PCI DSS

AWS Pricing and Cost Management

- AWS Pricing Models: On-demand, Reserved Instances, and Spot Instances
- AWS Cost Management Tools: AWS Pricing Calculator, AWS Cost Explorer
- Cost Optimization Best Practices: Right-sizing, tagging strategies, and cost allocation

AWS Architectural Principles

- AWS Well-Architected Framework: Design principles for cloud architectures
- Scalability and Elasticity: Designing for growth and workload fluctuations
- High Availability and Fault Tolerance: Building resilient applications on AWS

AWS Business Use Cases and Benefits

- Cloud Adoption Drivers: Cost savings, agility, and innovation
- Business Case for Cloud Migration: Case studies and success stories
- Transforming Business Operations: Leveraging AWS for digital transformation

AWS Support Plans and Services

- AWS Support Plans Overview: Basic, Developer, Business, and Enterprise Support
- AWS Trusted Advisor: Automated recommendations for cost optimization and security
- AWS Personal Health Dashboard: Service health alerts and notifications

AWS Cloud Economics

- Total Cost of Ownership (TCO) Analysis: Comparing on-premises vs. cloud costs

- Cloud Financing Options: Pay-as-you-go vs. Reserved Instances vs. Savings Plans
- Building a Business Case for AWS Adoption: Cost-benefit analysis and ROI considerations

AWS Cloud Migration Strategies

- AWS Migration Methodology: Assessment, Planning, and Execution phases
- AWS Migration Services: AWS Database Migration Service (DMS), AWS Server Migration Service (SMS)
- Application Discovery and Portfolio Analysis: Tools and strategies for assessing migration readiness

AWS Partner Network (APN) and Marketplace

- Overview of AWS Partner Network (APN) Programs: Consulting Partners, Technology Partners
- AWS Marketplace: Discovering and deploying software solutions on AWS
- Partnering with AWS: Benefits and resources for customers and partners

Real-world Business Scenarios and Case Studies

- Implementing AWS Solutions: Industry-specific case studies and examples
- Best Practices and Lessons Learned from Real-world AWS Implementations

Career Development and Job Roles in AWS

- Building a Career in AWS: Skills development and certifications
- AWS-related Job Roles: AWS Cloud Architect, AWS Solutions Architect, AWS Cloud Consultant
- Interview Preparation: Common AWS-related interview questions and scenarios