



Amazon Web Services.

OUR MISSION :

"Our mission is to empower learners worldwide through innovative technology, personalized learning experiences, and accessible educational resources. We strive to cultivate a community where every individual can achieve their full potential, regardless of their background or circumstances."

OUR VALUES :

"To pioneer the future of education by leveraging cutting-edge technology to make learning more engaging, effective, and inclusive. We envision a world where education transcends boundaries, creating opportunities for lifelong learning and fostering a society enriched by knowledge and creativity."



COURSE CURRICULUM:

Week 1: AWS Fundamentals Review & Core Services

- **Day 1-2: AWS Overview and Global Infrastructure**
 - **AWS Regions and Availability Zones**
 - **Core concepts: EC2, S3, IAM, VPC**
- **Day 3-4: Advanced EC2 & Auto Scaling**
 - **EC2 Instance Types and Pricing Models**
 - **Auto Scaling and Elastic Load Balancing**
- **Day 5: Elastic Block Store (EBS) and Amazon Machine Images (AMIs)**
 - **EBS Volume Types and Use Cases**
 - **Creating and Managing AMIs**

COURSE CURRICULUM:

Week 2: Networking and Content Delivery

- **Day 1-2: Virtual Private Cloud (VPC) Deep Dive**
 - **Subnets, Route Tables, NAT Gateways**
 - **Security Groups and Network ACLs**
- **Day 3-4: Advanced Networking**
 - **VPC Peering, AWS Transit Gateway**
 - **Direct Connect, VPN, and AWS PrivateLink**
- **Day 5: AWS CloudFront and Global Accelerator**
 - **Content Delivery Networks (CDNs)**
 - **Optimizing Application Performance**

COURSE CURRICULUM:

Week 3: Storage Solutions

- **Day 1-2: Amazon S3 Advanced Features**
 - **S3 Versioning, Lifecycle Policies, and Replication**
 - **S3 Glacier and S3 Select**
- **Day 3-4: AWS Storage Gateway and FSx**
 - **File Gateway, Tape Gateway, and Volume Gateway**
 - **FSx for Windows File Server and Lustre**
- **Day 5: Amazon EFS and Backup Solutions**
 - **EFS Performance and Use Cases**
 - **AWS Backup and Data Lifecycle Manager**

COURSE CURRICULUM:

Week 4: Databases

- **Day 1-2: Amazon RDS and Aurora**
 - **RDS Instance Types, Automated Backups, and Snapshots**
 - **Aurora Clusters and Performance Insights**
- **Day 3-4: DynamoDB and NoSQL Databases**
 - **DynamoDB Tables, Indexes, and Streams**
 - **DynamoDB Accelerator (DAX) and Global Tables**
- **Day 5: Amazon Redshift and Data Warehousing**
 - **Redshift Clusters, Spectrum, and Workload Management**

COURSE CURRICULUM:

Week 5: Security and Identity Management

- **Day 1-2: Identity and Access Management (IAM)**
 - **IAM Users, Groups, Roles, and Policies**
 - **AWS Organizations and Control Tower**
- **Day 3-4: Advanced Security Tools**
 - **AWS Key Management Service (KMS)**
 - **AWS Certificate Manager and CloudHSM**
- **Day 5: AWS Security Hub and Compliance**
 - **AWS Config, CloudTrail, and GuardDuty**
 - **Compliance Programs and Best Practices**

COURSE CURRICULUM:

Week 6: DevOps and Automation

- **Day 1-2: AWS Elastic Beanstalk and OpsWorks**
 - Deploying and Managing Applications
 - OpsWorks Stacks and Chef Automate
- **Day 3-4: AWS CloudFormation and AWS CDK**
 - Infrastructure as Code (IaC) Concepts
 - Creating and Managing Stacks
- **Day 5: AWS CodePipeline, CodeBuild, and CodeDeploy**
 - CI/CD Pipelines and Automated Testing
 - Deployment Strategies and Blue/Green Deployments

COURSE CURRICULUM:

Week 7: Analytics and Machine Learning

- **Day 1-2: AWS Analytics Services**
 - **Amazon Athena, Glue, and QuickSight**
 - **Kinesis Data Streams and Firehose**
- **Day 3-4: AWS Machine Learning Services**
 - **Amazon SageMaker, Comprehend, and Rekognition**
 - **Machine Learning Use Cases and Best Practices**
- **Day 5: Data Lakes and Big Data Solutions**
 - **Building Data Lakes on AWS**
 - **Integrating with Hadoop and Spark**

COURSE CURRICULUM:

Week 8: Serverless Computing and Modern Application Architecture

- **Day 1-2: AWS Lambda and Serverless Frameworks**
 - Writing and Deploying Lambda Functions
 - Integrating with API Gateway and Step Functions
- **Day 3-4: Container Services**
 - Amazon ECS, EKS, and Fargate
 - Docker and Kubernetes on AWS
- **Day 5: Advanced Architecting**
 - Designing for High Availability and Fault Tolerance
 - Cost Optimization and Best Practices

Our Partners Company's



The logo consists of the letters 'TS' in a large, bold, black sans-serif font, centered within a white circular shape that has a slight 3D effect with a shadow on the right side.

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EDUCATIONALSOLUTIONS

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THANK YOU

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