



**AWS SOLUTIONS
ARCHITECT
ASSOCIATE**

**MASTERCLASS || JOB ORIENTED ||
REAL-TIME PROJECT**

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Welcome to the Future of Data Management!



OUR SERVICES

- 01 Tailored Solutions, Every Time
- 02 Continuous Learning, Continuous Improvement
- 03 Hands-on Learning with Industry Tools
- 04 Real-world Project Simulations
- 05 Career Guidance and Networking Opportunities

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FOR FULL LIST
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WHAT YOU CAN EXPECT

- 01 Cutting-edge Curriculum
- 02 Flexible Learning Options
- 03 Collaborative Learning Environment
- 04 Ongoing Career Assistance
- 05 Certification and Recognition

BOOK A SEAT

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Elevate Your Skills, Ignite Your Career

Are you ready to embark on a journey of knowledge and innovation? Welcome to our AWS Administrator Training Program, where learning meets limitless possibilities.



HAVE AN ENQUIRY? ↙

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About the Program

Embark on an advanced AWS Administrator course led by certified experts, tailored for IT professionals aiming for Amazon Web Services mastery.

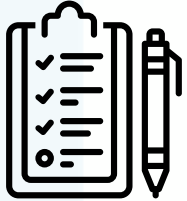
Explore core AWS facets, deploying scalable virtual servers (Amazon EC2) and optimizing storage solutions (Amazon S3, EBS).

Master robust network configurations via Amazon VPC and delve into essential security practices and automation techniques.

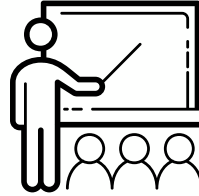
Immerse in hands-on labs and real scenarios, honing practical AWS skills. Explore advanced security, automate with AWS CloudFormation and CLI, and optimize resources.

Collaborative learning encourages interactive discussions.

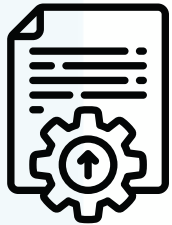
Key Features



Industry Relevant Curriculum



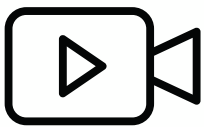
Limited class size for an optimal experience



Constantly Updated According to Industry Trends



50+ hands-on assignments and 2 capstone



Life-time Access to the recorded sessions



1:1 mock interview Sessions



Career Guidance & Placement Support



Tools Covered



AWS



Amazon S3



Data Pipeline



Python



Pyspark



Sql Server



Databricks



Amazon RDS



AWS Redshift



AWS Lambda



AWS Cloud Formation



Amazon Athena



AWS EKS



Amazon Dynamo DB



Amazon Quicksight

many more..



MODULE 1. INTRO TO CLOUD AND AWS

1. Overview of cloud computing models
2. Introduction to AWS services and their benefits
3. Understanding the AWS Global Infrastructure
4. AWS Free Tier and account setup

MODULE 2. AWS INFRASTRUCTURE

- Regions, Availability Zones, and Edge Locations
- AWS Resource Groups and Tagging
- AWS Compute Services Overview (EC2, Lambda, ECS)
- AWS Global Accelerator and CloudFront

MODULE 3. EC2 INSTANCES

- Creating and configuring EC2 instances
- EC2 instance types and families
- Instance purchasing options (On-Demand, Reserved, Spot Instances)
- EC2 instance metadata and user data

MODULE 4. EC2 OPERATIONS

- Elastic IP addresses and Public/Private IP assignment
- AMIs and snapshots for backup and restoration
- Instance monitoring and performance optimization
- Security Groups and NACLs for network security

MODULE 5. LOAD BALANCER

- Types of load balancers (Application Load Balancer, Network Load Balancer)
- Load balancer configurations and health checks
- SSL termination and listener rules
- Cross-Zone Load Balancing and Sticky Sessions

MODULE 6. AUTO SCALING

- Auto Scaling groups and launch configurations
- Scaling policies and cooldown periods
- Customizing Auto Scaling with Lifecycle Hooks
- Monitoring and scaling based on CloudWatch alarms

MODULE 7. RDS (DATABASES)

- Creating and managing RDS instances (MySQL, PostgreSQL, SQL Server)
- Multi-AZ deployments for high availability
- RDS backup and restore strategies
- Parameter groups and option settings customization

MODULE 8. DYNAMODB

1. Creating tables and understanding data models
2. Read and write capacity management
3. Global secondary indexes for efficient querying
4. DynamoDB Streams and Triggers

MODULE 9. ROUTE 53

1. Domain registration and DNS concepts
2. Route 53 record types (A, CNAME, Alias, etc.)
3. Routing policies (Simple, Weighted, Latency, Geolocation)
4. Health checks and DNS failover configurations

MODULE 10. CLOUDWATCH, SNS, AND CLOUDTRAIL

1. CloudWatch metrics, alarms, and dashboards
2. SNS topics and subscriptions for notifications
3. CloudTrail setup and auditing AWS API activity
4. Integrating CloudWatch and CloudTrail for monitoring and security

MODULE 11. INTRO TO NETWORKING

1. VPC creation and subnet configurations
2. VPC peering and VPN connections
3. Network ACLs vs. Security Groups
4. Direct Connect and AWS Transit Gateway

MODULE 12. NETWORKING OPERATIONS

- Elastic Load Balancer (ELB) configurations
- Route table management and routing options
- NAT gateways and instances for internet access
- VPC Flow Logs for network monitoring

MODULE 13. INTRO TO AWS STORAGE

1. Overview of AWS storage services (S3, EBS, EFS)
2. Object storage vs. block storage vs. file storage
3. Storage classes and lifecycle policies in S3
4. Cross-Region Replication and versioning in S3

MODULE 14. STORAGE OPERATIONS

1. Bucket policies and access control in S3
2. Data lifecycle management with EBS snapshots
3. Encryption options for data at rest and in transit
4. Performance optimization for storage services

MODULE 15. AWS EBS AND EFS

1. EBS volume types (SSD, HDD, Provisioned IOPS)
2. EBS volume resizing and snapshots
3. EFS file system creation and access management
4. EFS lifecycle management and performance tuning

MODULE 16. IAM (SECURITY AND ACCESS MANAGEMENT)

1. IAM users, groups, roles, and policies
2. MFA (Multi-Factor Authentication) and password policies
3. Temporary security credentials and IAM best practices
4. IAM Access Analyzer for policy analysis

MODULE 17. AWS FIREWALL

1. AWS WAF (Web Application Firewall) configurations
2. AWS Firewall Manager for centralized management
3. Network ACLs and security group rules for traffic control
4. AWS Firewall logging and monitoring options

MODULE 18. AWS SHIELD

1. Overview of AWS Shield Standard and Advanced
2. DDoS (Distributed Denial of Service) attack mitigation techniques
3. Shield protections for global and regional services
4. AWS DDoS Response Team (DRT) support

MODULE 19. AWS SECRETS

1. AWS Secrets Manager for managing sensitive information
2. Rotation policies for database credentials and API keys
3. Integrating Secrets Manager with RDS and Lambda
4. Fine-grained access control for secrets management

MODULE 20. AWS API

1. RESTful APIs and SDKs for AWS services
2. API Gateway for creating and managing APIs
3. AWS CLI (Command Line Interface)
4. API versioning and best practices in API development

MODULE 21. CONTAINERS ON AWS (ECS)

1. Amazon ECS (Elastic Container Service) and ECS clusters
2. Task definitions and container orchestration
3. ECS service scheduling and load balancing
4. Integrating ECS with ECR (Elastic Container Registry)

MODULE 22. IMAGE REPOSITORY (ECR)

1. Amazon ECR repository creation and image storage
2. Image lifecycle management and versioning
3. ECR permissions and access control
4. Integrating ECR with ECS for seamless deployments

MODULE 23. INTERVIEW QUESTIONS

1. Common AWS Administrator interview questions and answers
2. Technical and scenario-based questions for assessments
3. Best practices for answering interview questions effectively

CAPSTONE PROJECTS

AWS Infrastructure Optimization:

Analyze an existing AWS infrastructure to identify cost-saving opportunities and performance improvements.

Implement optimization strategies, such as resizing EC2 instances, leveraging AWS Trusted Advisor, and optimizing S3 storage.

Document the improvements made and present the impact on cost reduction and system performance.

CAPSTONE PROJECTS

CloudWatch and CloudTrail Monitoring Solution:

Set up a comprehensive monitoring and alerting system using Amazon CloudWatch. Configure custom CloudWatch metrics and alarms for critical resources.

Implement AWS CloudTrail for auditing and tracking API activity.

Create dashboards to visualize system performance and respond to incidents using alerts.

CAPSTONE PROJECTS

Multi-Region and Cross- Account Deployment:

Design and implement a multi-region AWS architecture for high availability and disaster recovery.

Set up cross-account access and permissions for secure resource sharing. Test the failover and disaster recovery capabilities of the architecture.

SELF LEARNING MODULES

1. Linux Course

FREE

**WORTH RUPEES
7000/- FREE**

**CERTIFICATION YOU CAN
PURSUE AFTER
COMPLETING THE COURSE**

AWS Solutions
Architect Associate
(Administrator) Course
Certification

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Eligibility Criteria



- Bachelor's degree in any field
- Familiarity with database concepts and SQL.
- Basic understanding of data processing.
- Working Professionals >1yrs
- Optional: Prior experience in data engineering or related fields.
- Basic computer literacy and operating system knowledge.

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Certification



CERTIFICATE OF COMPLETION

This Certificate is proudly awarded to



For their successful completion of course _____
at LevelUp Cloud Solutions Pvt Ltd in the month of _____ year _____.

We are confident that he/her has acquired the skills and knowledge needed to succeed as
a _____. We wish him/her all the best in their future endeavours.

SATEESH PABBATHI
Founder

Industry Recognised Certification

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Trainer Profile

Sateesh Pabbathi

Author & Cloud Expert

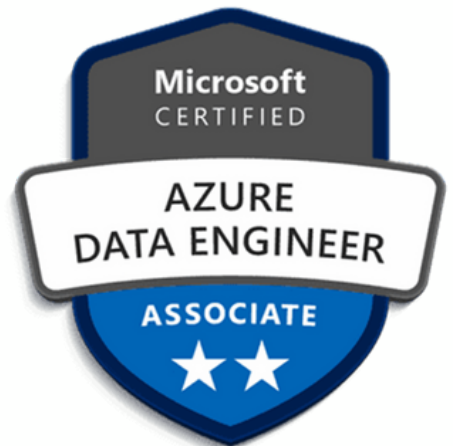
 [Linkedin Profile](#)



With over two decades of industry experience, he stands as a seasoned expert in the realm of cloud computing. Holding certifications as a Microsoft Certified Trainer, AWS Certified Data and DevOps Engineer, GCP Certified Architect, Kubernetes Certified Administrator and more, his expertise is both broad and deep.

Among his notable achievements is the curation and design of courses for prominent Ed-Tech platforms like Upgrad, Simplilearn and more. Through these endeavors, he has successfully trained a substantial cohort of over 4000 students in the dynamic domain of Cloud Computing, arming them with the skills and knowledge necessary for thriving in this rapidly evolving landscape.

Trainer Profile - Certifications



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Offer Now for
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✓ **19,500/-***



7000/-

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Learning Modules**

*GST APPLICABLE

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