

Systems Operations on AWS (AWSSYS)

ID AW-AWSSYS

Duração 3 dias

Quem deve participar

System administrators and others responsible for managing operations on the AWS platform.

Pré-requisitos

- Working knowledge of systems administration
- Familiarity with cloud computing concepts
- Command line experience

Objetivos do Curso

Systems Operations on AWS is designed to help new and existing AWS customers build and operate highly available, scalable, and reliable applications using the AWS Cloud. This course will teach you how to build processes by understanding key elements of application deployment, performance, and operations of AWS cloud resources. By the end of this course, you will be able to:

- Run, stop, and terminate instances .
- Determine and deploy appropriate Storage services.
- Create EC2 -VPC subnets.
- Monitor and inspect CloudWatch metrics related to your AWS resources.
- Use AWS CloudFormation to automate builds and deployment.
- Configure network Access Control Lists and network Security Groups.
- Use tagging to group costs
- Set up web delivery logging for analysis

Conteúdo do curso

Day 1

- AWS Components
- AWS Global Infrastructure
- Compute (Virtualization, AZs, EC2 Instance Capacity Types, Elastic Load Balancing)
- Storage (Ephemeral, EBS, S3, Glacier)
- Network (RDS, ElastiCache)
- Hands-on Labs: Run Instances, VPC

Day 2

- Static web content hosting (S3, CloudFront)
- Log Delivery
- Monitoring (SNS, SES, CloudWatch)
- Cloudwatch Console/CLI
- Custom Metrics
- Auto Scaling
- Elastic Beanstalk
- Hands-On Labs: S3 and CloudFront, CloudFormation PHP w/Elastic Beanstalk, Alarm in CloudWatch

Day 3

- API Pages and Operations
- AWS Access Control: IAM
- Management (OpsWorks, CloudFormation)
- Backup (AWS and On Premises, S3/Glacier)
- Logging and Billing
- Hands-On Labs: Log Pushing to S3, IAM, Backup/Restore using CloudFormation

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