



AWS + HADOOP TRAINING!!!

A practical approach to learning AWS and Hadoop (EMR)

- We are offering a "*project-based practical training*" course of AWS and Hadoop.
- The course will be in 2 phases and in each phase, you will work on a sample project.
- The projects are fully hands-on, designed for learning core concepts through real-life scenarios.
- The objective of this course is to teach you AWS and EMR *from a job perspective*.
- At the end of this course you will be able to professionally start working on AWS and EMR.
- Classes will be available *both online and in-person* (Classroom in St. Louis).

PHASE 1

Build a web project on AWS from scratch using all the following concepts.

- **AWS Concepts:**
 - AWS Accounts
 - VPC, Subnet, Route Tables, Network ACL
 - Security Groups
 - Internet Gateway, Virtual Private Gateway
 - VPN, VPC Peering
 - IAM – Identity Access Management
 - Public/ Private Keys, MFA
 - Role policies, Resource Policies
 - EC2, RDS, DynamoDB, S3
 - API Gateway
 - ELB, NAT
 - EBS, EFS, Glacier
 - Auto-scaling
 - CloudFormation
 - SNS, SQS and More...
- **Basic Unix and SSH concepts**
- **Basic AWS Command-Line-Interface (CLI) concepts**

PHASE 2

Build a Hadoop project on AWS EMR from scratch using all the following concepts.

- **Hadoop/ EMR Concepts**
 - Hadoop, Map-Reduce
 - Hive, Spark, Oozie, Sqoop, Pig, Hue
 - General cluster settings
 - Security
 - More...
- **Basic AWS Lambda Concepts** (S3 -> Lambda -> EMR)
- **Basic Java Concepts** (build a Java application using Eclipse/Maven and deploy on EMR)

COURSE DURATION

Phase 1: **7 sessions**, 90 mins per session

Phase 2: **5 sessions**, 90 mins per session

3 Sessions per week

Total: 12 Sessions over 4 weeks

CONTACT INFORMATION

Phone: 832-766-6687, 734-927-2427

Email: aws.hadoop.training@gmail.com



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