Get Cloud Ready™

Get Cloud Ready ™ with Amazon Web Services for Architects

Get Cloud Ready™ with Amazon Web Services for Architects focuses on the architectural principles and design best practices. It covers the aspects of designing scalable, elastic, fault tolerant and resilient applications that can be deployed on AWS. This course is delivered through a combination of lecture, white boarding, discussion and hands-on exercises. By the end of this training, you will understand various techniques to design and architect highly scalable, reliable, available, secure and cost optimized solutions for the Cloud.

Duration – 2 Days

amazon web services™

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Day 1

Amazon Web Services – The Big Picture

This module does a quick recap of Amazon Web Services. It discusses the role of the each service and attempts to set the stage for rest of the course.

Designing Fault Tolerant Solutions

This module focuses on leveraging Elastic Block Store (EBS), Elastic IP (EIP), Elastic Load Balancer (ELB) and CloudWatch to build fault tolerant systems on the Cloud.

Designing the Middle Tier Components

Whether the business logic is written in .NET, Java or any other language, it can be optimized for the Cloud. This module discusses the loosely coupled architecture based on Simple Queue Service (SQS) and Simple Notification Service (SNS).

Designing the Data Tier on the Cloud

AWS provides various services to improve the data access. This module will discuss the design decisions related to choosing a NoSQL database, RDBMS and caching techniques. We cover the concepts of Amazon DynamoDB, Amazon RDS and Amazon ElastiCache.

Day 2

Designing Secure Solutions on the Cloud

Amazon Web Services offers various techniques to secure the data and applications on the Cloud. In this module, we discuss S3 Security and Identity and Access Management (IAM).

Deep Dive on the Common Use Cases

This module will discuss the common use cases of the Cloud. We will do a deep dive into Web Applications, Batch Processing and Line of Business application scenarios. This will be an interactive session involving the attendees.

Summary / Discussion / Q&A

The last session will allow the participants to discuss the concepts acquired in the course followed by the final Q&A session.

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About the Trainer

Janakiram MSV, Founder, GetCloudReady.com

14 years of experience in the IT/ITES industry

Worked for world-class product companies like Microsoft, Amazon and Alcatel-Lucent

One of India's first Microsoft Certified Professional on Windows Azure

First employee for Amazon Web Services in India

Consistently rated as the top speaker at premier technical events

Chief Editor at CloudStory.in

Advisor and mentor to Startups

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