AWS Solutions Training for Partners: Data Analytics on AWS - Technical

AWS Classroom Training

Course description

In this course, you will learn the technical fundamentals of running Data Analytics on AWS. The course is designed to teach pre-sales engineers at APN Consulting Partner organizations how to successfully engage with customers and discuss five data analytics technical solutions. You will learn how to make architectural decisions based on AWS-recommended best practices. The course includes a guided design and build journey focused on ingestion, hydration, exploration, and consumption of data using AWS best practices to build a Well-Architected Serverless Data lake Architecture using AWS Cloud Formation Templates.

- Course level: Intermediate
- Duration: 1 day

Activities

This course includes presentations, demonstrations, white-boarding, and assessments

- **Laptop (required)**

Course objectives

Upon completion of this course, participants will be able to:

- Identify AWS services used in the AWS analytics stack
- Describe decision points and technology selections used in data analytics architectures
- Design highly available and fault-tolerant serverless data analytics architectures
- Discuss the AWS Data Pipeline and the customer data analytics journey using the Data Flywheel
- Describe five AWS data analytics technical solutions:
  - Modernizing a data warehouse with Amazon Redshift
  - Data lakes
  - Streaming data
  - Data governance
  - Machine learning (ML)
- Identify technical engagement strategies and best practices for delivering a proof of concept
- Locate and use AWS Partner Network (APN) Partner resources for opportunities and training

Intended audience

This course is intended for:

aws training and certification

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Technical professionals at APN Consulting Partner organizations who are engaged in pre-sales discussions with customers to help architect Data Analytic solutions on AWS and answer technical questions around leveraging AWS Data and Analytic services

Prerequisites

Before attending this course, participants should have completed the following:

- Accreditations Achieved: AWS Technical Professional
- Working knowledge of Data Analytics solutions
- Familiarity with cloud computing concepts

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Course outline

Module 1: Course Introduction

- Course learning objectives
- Target roles for this course

Module 2: AWS Data Analytics Portfolio

- Customer challenges and APN Partner opportunities
- AWS Data Analytics value proposition
- Overview of Data Analytics portfolio on AWS
- Building data analytics pipeline on AWS
- Customer success leveraging data flywheel

Module 3: AWS Data Analytics Solutions

- Data migration options to AWS Cloud
- Solution 1: Modernizing Data Warehouse with Amazon Redshift
- Solution 2: Data Lakes

Activity 1: Lab demonstration - Data Lake and analytic tools

Module 4: AWS Data Analytics Solutions

- Solution 3: Streaming and Real-time Analytics with Amazon Kinesis
- Solution 4: Data Governance
- Solution 5: Extended Solution: Insights and monetization with machine learning

Module 5: AWS Technical Engagement Strategies

- Technical engagement conversation with AWS Data Flywheel and AWS Data Analytics solutions
- AWS six-phase strategy from PoC to production - implementing data analytics solutions
- AWS Well-Architected Review
- PoC best practices

Activity 2: Instructor-led demonstration of white-boarding a game analytics pipeline architecture

Module 6: APN Partner Opportunities & Resources

- Important links to sales plays and resources
- Call to Action: Let's build

End of Course Assessment

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