AWS – Planning and Designing Databases on Amazon Web Services

Description

This 3-day course will help you learn the design considerations for hosting databases on Amazon Elastic Compute Cloud (Amazon EC2). You will learn about our relational database services including Amazon Relational Database Service (Amazon RDS), Amazon Aurora, and Amazon Redshift. You will also learn about our non relational database services including Amazon DocumentDB, Amazon DynamoDB, Amazon ElastiCache, Amazon Neptune, and Amazon QLDB. By the end of this course, you will be familiar with the planning and design requirements of all 8 of these AWS databases services, their pros and cons, and how to know which AWS databases service is right for your workloads.

Course Content

- Module 0: Planning and Designing Databases on AWS
- Module 1: Database Concepts and General Guidelines
- Module 2: Database Planning and Design
- Module 3: Databases on Amazon EC2
- Module 4: Purpose-Built Databases
- Module 5: Databases on Amazon RDS
- Module 6: Databases in Amazon Aurora
- Module 6: Databases in Amazon Aurora (continued)
- Module 7: Databases in Amazon DocumentDB (with MongoDB compatibility)
- Module 8: Amazon DynamoDB Tables
- Module 9: Databases in Amazon Neptune
- Module 10: Databases in Amazon Quantum Ledger Database (Amazon QLDB)
- Module 11: Databases in Amazon ElastiCache
- Module 12: Data Warehousing in Amazon Redshift
- Module 13: Course Review

Lab / Exercises

- Official AWS Labs

Documentation

- Digital courseware included

Exam

- This course prepares you to the AWS Certified Database - Specialty (DBS-C01) exam. If you wish to take this exam, please contact our secretariat who will let you know the cost of the exam and will take care of all the necessary administrative procedures for you

Participant profiles

- Data platform engineers
- Database administrators

- Solutions architects
- IT professionals

Prerequisites

- Having followed of have the equivalent knowledge: [Architecting on AWS](#)

Objectives

- Apply database concepts, database management, and data modeling techniques
- Evaluate hosting databases on Amazon EC2 instances
- Evaluate relational database services (Amazon RDS, Amazon Aurora, and Amazon Redshift) and their features
- Evaluate nonrelational database services (Amazon DocumentDB, Amazon DynamoDB, Amazon ElastiCache, Amazon Neptune, and Amazon QLDB) and their features
- Examine how the design criteria apply to each service
- Apply management principles based on the unique features of each service

Niveau
Intermédiaire
Virtual Classroom Registration Price (CHF)
2550
Duration (in Days)
3
Reference
AWS-304