

# Planning and Designing Databases on AWS

## COURSE OVERVIEW

Planning and Designing Databases on AWS is a comprehensive course designed to help database architects, administrators, and developers plan, design, and implement databases on the AWS platform. The course covers a wide range of AWS database services, including Amazon RDS, Amazon DynamoDB, Amazon Redshift, and Amazon Aurora. Participants will learn best practices for database design, migration, optimization, security, and disaster recovery. Through hands-on exercises and real-world scenarios, learners will gain the skills needed to create scalable, high-performance, and cost-effective database solutions on AWS.

## WHO SHOULD ATTEND?

The Planning and Designing Databases on AWS course is intended for database architects, database administrators, data engineers, and developers responsible for designing, implementing, and managing database solutions on AWS. It is also suitable for IT professionals involved in database migration, optimization, and security, as well as those preparing to build scalable and efficient database architectures on the AWS platform.

## COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- 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 non relational 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.

## KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Introduction to AWS Database Services.
- Database Design Principles.
- Data Modeling Techniques.
- Selecting the Right AWS Database Service.
- Security and Compliance.
- High Availability and Disaster Recovery.
- Performance Tuning and Monitoring.
- Migration Strategies to AWS.
- Cost Optimization.
- Hands-on Labs and Real-World Scenarios.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded