



AWS Ramp-Up Guide: AWS Databases

For data engineers, architects, developers, and operations engineers

This guide teaches data engineers and database administrators about AWS' relational and nonrelational database services and how to choose which database is the best choice for your solution. You'll also learn how to migrate your on-premises databases to an AWS-managed database service. This guide can also help prepare you for the AWS Certified Database – Specialty certification exam. If you're specifically interested in digital courses and labs to help you develop these skills, explore the four [Database Learning Plans](#). To provide suggestions on Ramp-Up Guides, please contact rampupguides@amazon.com.

Learn the fundamentals of the AWS Cloud

| Learning Resource | Duration | Type |
|-------------------------------------|----------|-------------------------------|
| AWS Ramp-Up Guide: Cloud Essentials | | Ramp-Up Guide |

AWS Database fundamentals

| Learning Resource | Duration | Type |
|--|----------|------------------------------------|
| Introduction to Building with AWS Databases | 3 hours | Digital Training |
| Planning and Designing Databases on AWS | 3 days | Classroom Training |
| AWS Database Offerings | 4 hours | Digital Training |
| Build Modern Apps with Purpose-Built Databases | 3 hours | Digital Training |

Amazon NoSQL Services

Amazon DynamoDB

| Learning Resource | Duration | Type |
|--|------------|----------------------------------|
| Amazon DynamoDB Service Primer | 20 minutes | Digital Training |
| Amazon DynamoDB for Serverless Architectures | 2 hours | Digital Training |
| Building with Amazon DynamoDB Tables | 1 hour | Self-paced Lab |
| Developing with Amazon DynamoDB | 16 hours | Digital Training |
| Amazon DynamoDB - Troubleshooting | 45 min | Digital Training |

Amazon DocumentDB

| Learning Resource | Duration | Type |
|---|----------|----------------------------------|
| Getting Started with Amazon DocumentDB (with MongoDB compatibility) | 1 hour | Digital Training |
| Build With Amazon DocumentDB (with MongoDB compatibility) | 1 hour | Digital Training |



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| Data Modeling for Amazon DocumentDB | 1 hour | Digital Training |
| Performance Tuning on Amazon DocumentDB | 1 hour | Digital Training |
| Building with Amazon DocumentDB Databases | 1 hour | Self-paced Lab |

AWS In-Memory Databases

| Learning Resource | Duration | Type |
|--|------------|----------------------------------|
| Amazon ElastiCache Service Introduction | 5 minutes | Digital Training |
| Getting Started with Amazon ElastiCache | 2 hour | Digital Training |
| Data Modeling for Amazon ElastiCache for Redis | 45 minutes | Digital Training |
| Getting Started with Amazon MemoryDB for Redis | 1 hour | Digital Training |
| Build with Amazon MemoryDB for Redis | 1 hour | Digital Training |

Amazon Neptune

| Learning Resource | Duration | Type |
|---|------------|----------------------------------|
| Getting Started with Amazon Neptune | 2 hour | Digital Training |
| Building Highly Connected Applications using Amazon Neptune | 30 minutes | Digital Training |

Amazon Keyspaces

| Learning Resource | Duration | Type |
|---------------------------------------|----------|----------------------------------|
| Getting Started with Amazon Keyspaces | 1 hour | Digital Training |

Amazon Timestream

| Learning Resource | Duration | Type |
|--|----------|----------------------------------|
| Getting Started with Amazon Timestream | 1 hour | Digital Training |

Amazon QLDB

| Learning Resource | Duration | Type |
|--|------------|----------------------------------|
| Amazon Quantum Ledger Database (QLDB) Service Primer | 20 minutes | Digital Training |

AWS Relational Database Services



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| Learning Resource | Duration | Type |
|--|------------|----------------------------------|
| Amazon RDS Service Primer | 20 minutes | Digital Training |
| Amazon Aurora Service Primer | 20 minutes | Digital Training |
| Amazon Aurora PostgreSQL and Amazon RDS PostgreSQL | 7 hours | Digital Training |
| Amazon Aurora MySQL and Amazon RDS MySQL | 8 hours | Digital Training |
| Getting Started with Amazon RDS for MariaDB | 1 hour | Digital Training |
| Introduction to Amazon Relational Database Service (RDS) (Windows) | 1 hour | Self-paced Lab |
| Introduction to Amazon Aurora | 1 hour | Self-paced Lab |
| PostgreSQL Fundamentals | 20 minutes | Digital Training |
| PostgreSQL Fundamentals – Architectures | 1 hour | Digital Training |
| PostgreSQL Fundamentals – SQL Command Line | 15 minutes | Digital Training |
| PostgreSQL Fundamentals: Explain | 30 minutes | Digital Training |
| Amazon Aurora MySQL - Basics | 15 minutes | Digital Training |
| Amazon Aurora MySQL - Migration | 20 minutes | Digital Training |
| Mapping a Few Core Oracle DB Concepts to Amazon RDS/Aurora PostgreSQL Concepts | 45 minutes | Digital Training |

Amazon Redshift

| Learning Resource | Duration | Type |
|--|-------------------|----------------------------------|
| Getting Started with Amazon Redshift | 1 hour | Digital Training |
| Best Practices for Data Warehousing with Amazon Redshift | 1 hour 30 minutes | Digital Training |
| Introduction to Amazon Redshift | 1 hour 15 minutes | Self-paced Lab |
| Working with Amazon Redshift | 2 hours | Self-paced Lab |
| Building with Amazon Redshift Clusters | 1 hour | Self-paced Lab |
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AWS Database Migrations

| Learning Resource | Duration | Type |
|---|----------|----------------------------------|
| Migrating to AWS: A high level introduction | 40 min | Digital Training |



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| Introduction to Database Migration | 45 minutes | Digital Training |
| Introduction to AWS Database Migration Service | 1 hour 30 min | Self-paced Lab |
| Moving to Managed Databases on AWS | 4 hours | Digital Training |
| Break Free From Legacy Databases | 2 hours | Digital Training |

Certification

| Learning Resource | Duration | Type |
|---|----------------|----------------------------------|
| Exam Readiness: AWS Certified Database – Specialty | 3 hours 30 min | Digital Training |
| AWS Certified Database – Specialty exam guide | 1 hour | Exam Guide |
| AWS Certified Database – Specialty sample questions | 4 hours | Sample Questions |
| AWS Certified Database – Specialty exam | 3 hours | Exam |

Additional resources

| Learning Resource | Type |
|---|-------------------------------|
| Databases on AWS | Webpage |
| AWS Databases – the right tool, for the right job | Infographic |
| Architecture Best Practices for Databases | Explore |
| AWS Database Blog | Blog |
| Enter the Purpose-Built Database Era | E-Book |
| Amazon Relational Database Service (Amazon RDS) | Documentation |
| Amazon ElastiCache | Documentation |
| Amazon DocumentDB | Documentation |
| Amazon DynamoDB | Documentation |
| Amazon Keyspaces (for Apache Cassandra) Documentation | Documentation |
| Amazon Neptune | Documentation |
| Amazon Quantum Ledger Database (QLDB) | Documentation |
| Amazon Redshift | Documentation |
| Migrating Your Self-Managed MongoDB Databases to AWS with Amazon DocumentDB | Webpage |



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**For a training plan
customized for your
requirements,
contact your AWS Account
Manager or contact us [here](#)**

**We would love to hear from
you.
Provide your feedback on this
AWS Ramp-Up Guide [here](#)**