

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 at explore.skillbuilder.aws. 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

Part 1: Learn AWS Database fundamentals

Learning Resource	Duration	Type
Databases on AWS	1+ hour	Webpage »
AWS Databases – the right tool, for the right job	10 minutes	Infographic »
Moving to Managed Databases on AWS	4 hours	Digital Training »
Planning and Designing Databases on AWS	3 days	Classroom Training »
AWS Database Offerings	5.5 hours	Digital Training »

Part 2A: AWS Relational Database Services

Learning Resource	Duration	Type
Break Free From Legacy Databases	2 hours	Digital Training »
PostgreSQL Fundamentals	20 minutes	Digital Training »
PostgreSQL Fundamentals – Architectures	1 hour	Digital Training »
PostgreSQL Fundamentals – SQL Command Line	15 minutes	Digital Training »
Amazon RDS Service Primer	20 minutes	Digital Training »
Amazon Aurora MySQL - Basics	15 minutes	Digital Training »
Amazon Aurora MySQL - Migration	20 minutes	Digital Training »
Amazon Aurora Service Primer	20 minutes	Digital Training »
Mapping a Few Core Oracle DB Concepts to Amazon RDS/Aurora PostgreSQL Concepts	45 minutes	Digital Training »
PostgreSQL Fundamentals: Explain	30 minutes	Digital Training »

Amazon Redshift Service Introduction	5 minutes	Digital Training »
Amazon Aurora PostgreSQL and Amazon RDS PostgreSQL	7 hours 30 minutes	Digital Training »
Amazon Aurora MySQL and Amazon RDS MySQL	8 hours	Digital Training »
Getting Started with Amazon RDS for MariaDB	1 hour	Digital Training »

Part 2B: AWS NoSQL Database Services

Learning Resource	Duration	Type
Break Free of Legacy Databases	2 hours	Digital Training »
Amazon DynamoDB Service Primer	20 minutes	Digital Training »
Amazon DynamoDB for Serverless Architectures	2 hours	Digital Training »
Amazon DynamoDB – Architecture and Features	15 minutes	Digital Training »
Amazon ElastiCache Service Introduction	5 minutes	Digital Training »
Amazon Neptune Service Introduction	5 minutes	Digital Training »
Amazon Quantum Ledger Database (QLDB) Service Introduction	10 minutes	Digital Training »
Developing with Amazon DynamoDB	16 hours	Digital Training »
Building Highly Connected Applications using Amazon Neptune	30 minutes	Digital Training »
AWS Database Blog	1 hour	Blog Post »
Enter the Purpose-Built Database Era	2 hours	E-Book »
Deep Dive into DocumentDB	30 minutes	Digital Training »
Build Modern Apps with Purpose-Built Databases	3 hours	Digital Training »
Getting Started with Amazon MemoryDB for Redis	1 hour	Digital Training »
Getting Started with Amazon DocumentDB (with MongoDB compatibility)	1 hour	Digital Training »

Part 3: AWS Database Migrations

Learning Resource	Duration	Type
Introduction to Database Migration	45 minutes	Digital Training »
Database Migrations	1 hour	Webpage »
Moving to Managed Databases on AWS	4 hours	Digital Training »
Using the AWS Schema Conversion Tool	45 minutes	Digital Training »

Part 4: Deep Dive into AWS Databases		
Learning Resource	Duration	Type
Data Warehousing on AWS	3 days	Classroom Training »
Developing on AWS	3 days	Classroom Training »
Introduction to Amazon Relational Database Service (RDS) (Windows)	50 minutes	Self-paced Lab »
Introduction to Amazon DynamoDB	40 minutes	Self-paced Lab »
Introduction to Amazon Aurora	1 hour	Self-paced Lab »
Amazon Relational Database Service (Amazon RDS)	2+ hours	Documentation »
Amazon ElastiCache	2+ hours	Documentation »
Amazon DocumentDB	2+ hours	Documentation »
Amazon DynamoDB	2+ hours	Documentation »
Amazon Keyspaces (for Apache Cassandra) Documentation	2+ hours	Documentation »
Amazon Neptune	2+ hours	Documentation »
Amazon Quantum Ledger Database (QLDB)	2+ hours	Documentation »
Amazon Redshift	2+ hours	Documentation »
Migrating Oracle Database Workloads to Oracle Linux on AWS	1+ hour	Whitepaper »
Modernizing the Amazon Database Infrastructure	1+ hour	Whitepaper »
Migrating Applications Running Relational Databases to AWS	1+ hour	Whitepaper »
Configuring Amazon RDS as an Oracle PeopleSoft Database	1+ hour	Whitepaper »
Best Practices for Running Oracle Database on AWS	1+ hour	Whitepaper »
Determining the IOPS Needs for Oracle Database on AWS	2+ hours	Whitepaper »
Amazon Aurora MySQL Database Administrator's Handbook	1+ hour	Whitepaper »
Comparing the Use of Amazon DynamoDB and Apache HBase for NoSQL	2+ hours	Whitepaper »
Best Practices for Deploying Microsoft SQL Server on AWS	2+ hours	Whitepaper »
Strategies for Migrating Oracle Databases to AWS	1+ hour	Whitepaper »
AWS Database Migration Service Best Practices	1+ hour	Whitepaper »
Migration Strategy for Relational Databases	1+ hour	Whitepaper »
Deploying Microsoft SQL Server on Amazon Web Services	2+ hours	Whitepaper »
Getting Started with Amazon DocumentDB (with MongoDB Compatibility)	2+ hours	Whitepaper »

Migrating Your Self-Managed MongoDB Databases to AWS with Amazon DocumentDB

2+ hours

[Webpage](#)

Part 5: Prepare for and take the AWS Certified Database – Specialty Certification Exam

Learning Resource	Duration	Type
Exam Readiness: AWS Certified Database – Specialty	3.5 hours	Digital Training »
AWS Certified Database – Specialty exam guide	1 hour	Exam Guide »
AWS Certified Database – Specialty sample questions	4 hours	Sample Questions »

Explore additional

Learning Resource	Description	Type
Architecture Best Practices for Databases	Learn how to choose the right database, migrate your database, and manage your AWS database services.	Explore »
Learning Library	Continue to learn by exploring our extensive portfolio of free digital training and classroom training. Filter according to your preferences, or find a specific course using the "Search" box.	Explore »
AWS Whitepapers & Guides	Explore technical whitepapers, technical guides, reference material, and reference architecture diagrams, all authored by AWS and the AWS community.	Explore »
AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	Explore »
AWS Events & Webinars	Connect with, collaborate with, and learn from AWS experts.	Explore »
AWS Podcast	Listen and learn about AWS.	Explore »
AWS Blog	Read about the latest launches from AWS Technical Evangelist Jeff Barr and others.	Explore »

AWS Documentation	Search for AWS service guides, API references, tutorials, projects, SDKs, and toolkits.	Explore »
AWS Knowledge Center	Review AWS Support's responses to AWS customers' most frequently asked questions.	Explore »
AWS FAQs	Find answers to product- and technical-related frequently asked questions.	Explore »
AWS Hands-On Tutorials	Get started with 10-minute, step-by-step tutorials to launch your first application.	Explore »
AWS Solutions Library	Use vetted, technical reference implementations designed to help you solve common problems and build faster.	Explore »

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

We would love to hear from you.
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