

# AWS Ramp-Up Guide: Databases

For Data Engineers, Architects, Developers, and Operations Engineers

AWS Training and Certification has created this and other AWS Ramp-Up Guides to help build your knowledge of the AWS Cloud. Each expertly curated guide features free digital training, classroom courses, videos, whitepapers, certifications, and other information you're looking for.

## Learn the fundamentals of the AWS Cloud

LEARNING RESOURCE	DURATION	TYPE
What is Cloud Computing?	10 minutes	<a href="#">Webpage »</a>
Overview of AWS	2 hours	<a href="#">Whitepaper »</a>
<i>AWS Cloud Practitioner Essentials</i>	6+ hours	<a href="#">Digital Training »</a>
Cloud Computing with AWS	10 minutes	<a href="#">Webpage »</a>
AWS Glossary	30 minutes	<a href="#">Webpage »</a>
<i>Job Roles in the Cloud</i>	30 minutes	<a href="#">Digital Training »</a>
AWS Pricing	15 minutes	<a href="#">Webpage »</a>
How AWS Pricing Works	45 minutes	<a href="#">Webpage »</a>
Compare AWS Support Plans	5 minutes	<a href="#">Whitepaper »</a>
AWS Cloud Security	10 minutes	<a href="#">Webpage »</a>
<i>AWS Shared Responsibility Model</i>	10 minutes	<a href="#">Digital Training »</a>
Shared Responsibility Model	5 minutes	<a href="#">Webpage »</a>

## Step 1: Learn AWS Database fundamentals

LEARNING RESOURCE	DURATION	TYPE
Databases on AWS	1+ hour	<a href="#">Webpage »</a>
AWS Databases – the right tool, for the right job	10 minutes	<a href="#">Infographic »</a>

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## Step 1 continued: Learn AWS Database fundamentals

LEARNING RESOURCE	DURATION	TYPE
<i>Database Offerings: Amazon DocumentDB, Amazon ElastiCache, Amazon Redshift, Amazon Neptune, and Amazon Quantum Ledger Database</i>	5+ hours	<a href="#">Digital Training »</a>
<i>Amazon DynamoDB Service Primer</i>	20 minutes	<a href="#">Digital Training »</a>
<i>Amazon DynamoDB for Serverless Architectures</i>	2 hours	<a href="#">Digital Training »</a>
<i>Amazon RDS Service Primer</i>	20 minutes	<a href="#">Digital Training »</a>
<i>Introduction to Database Migration</i>	45 minutes	<a href="#">Digital Training »</a>
Database Migrations	1 hour	<a href="#">Webpage »</a>
AWS Database Blog	1 hour	<a href="#">Blog Post »</a>
Enter the Purpose-Built Database Era	2 hours	<a href="#">E-Book »</a>
Gartner Report: The future of the DBMS market is cloud	30 minutes	<a href="#">Report »</a>
<i>PostgreSQL Fundamentals</i>	20 minutes	<a href="#">Digital Training »</a>
<i>PostgreSQL Fundamentals – Architectures</i>	1 hour	<a href="#">Digital Training »</a>
<i>PostgreSQL Fundamentals – SQL Command Line</i>	15 minutes	<a href="#">Digital Training »</a>
<i>PostgreSQL Fundamentals – Explain</i>	30 minutes	<a href="#">Digital Training »</a>
Planning and Designing Databases on AWS	3 days	<a href="#">Classroom Training »</a>
<i>Moving to Managed Databases on AWS</i>	4 hours	<a href="#">Digital Training »</a>
<i>Break Free of Legacy Databases</i>	2 hours	<a href="#">Digital Training »</a>
<i>Build Modern Apps with Purpose-Built Databases</i>	3 hours	<a href="#">Digital Training »</a>

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## Step 2: Dive deep into AWS Databases

LEARNING RESOURCE	DURATION	TYPE
<i>Data Warehousing on AWS</i>	3 days	<a href="#">Classroom Training »</a>
<i>Developing on AWS</i>	3 days	<a href="#">Classroom Training »</a>
Amazon Relational Database Service (Amazon RDS)	2+ hours	<a href="#">Documentation »</a>
Amazon ElastiCache	2+ hours	<a href="#">Documentation »</a>
Amazon DocumentDB	2+ hours	<a href="#">Documentation »</a>
Amazon DynamoDB	2+ hours	<a href="#">Documentation »</a>
Amazon Managed Apache Cassandra Service	2+ hours	<a href="#">Documentation »</a>
Amazon Neptune	2+ hours	<a href="#">Documentation »</a>
Amazon QLDB	2+ hours	<a href="#">Documentation »</a>
Amazon Redshift	2+ hours	<a href="#">Documentation »</a>
Migrating Oracle Database Workloads to Oracle Linux on AWS	1+ hour	<a href="#">Whitepaper »</a>
Modernizing the Amazon Database Infrastructure	1+ hour	<a href="#">Whitepaper »</a>
Migrating Applications Running Relational Databases to AWS	1+ hour	<a href="#">Whitepaper »</a>
Configuring Amazon RDS as an Oracle PeopleSoft Database	1+ hour	<a href="#">Whitepaper »</a>
Best Practices for Running Oracle Database on AWS	1+ hour	<a href="#">Whitepaper »</a>
Determining the IOPS Needs for Oracle Database on AWS	2+ hours	<a href="#">Whitepaper »</a>
Amazon Aurora MySQL Database Administrator's Handbook	1+ hour	<a href="#">Whitepaper »</a>
Comparing the Use of Amazon DynamoDB and Apache HBase for NoSQL	2+ hours	<a href="#">Whitepaper »</a>
Best Practices for Deploying Microsoft SQL Server on AWS	2+ hours	<a href="#">Whitepaper »</a>
Strategies for Migrating Oracle Databases to AWS	1+ hour	<a href="#">Whitepaper »</a>

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## Step 2 continued: Dive deep into AWS Databases

LEARNING RESOURCE	DURATION	TYPE
AWS Database Migration Service Best Practices	1+ hour	<a href="#">Whitepaper »</a>
Migration Strategy for Relational Databases	1+ hour	<a href="#">Webpage »</a>
Deploying Microsoft SQL Server on Amazon Web Services	2+ hours	<a href="#">Whitepaper »</a>
Getting Started with Amazon DocumentDB (with MongoDB Compatibility)	2+ hours	<a href="#">Whitepaper »</a>
Migrating Your Self-Managed MongoDB Databases to AWS with Amazon DocumentDB	2+ hours	<a href="#">Blog Post »</a>

## Step 3: Prepare for and take the AWS Certified Database – Specialty Certification Exam

LEARNING RESOURCE	DURATION	TYPE
<i>Exam Readiness: AWS Certified Database – Specialty</i>	3.5 hours	<a href="#">Digital Training »</a>
	1 day	<a href="#">Classroom Training »</a>
AWS Certified Database – Specialty exam guide and sample questions	1 hour	<a href="#">Exam Guide »</a>
	4 hours	<a href="#">Sample Questions »</a>
AWS Certified Database – Specialty practice exam	4 hours	<a href="#">Practice Exam »</a>
AWS Certified Database – Specialty Certification Exam	3 hours	<a href="#">Certification Exam »</a>

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Explore additional resources		
LEARNING RESOURCE	DESCRIPTION	
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.	<a href="#">Explore »</a>
AWS Whitepapers & Guides	Explore technical whitepapers, technical guides, reference material, and reference architecture diagrams, all authored by AWS and the AWS community.	<a href="#">Explore »</a>
AWS User Group	Join and connect with AWS users all over the world to share ideas and learn.	<a href="#">Explore »</a>
AWS Events & Webinars	Connect with, collaborate with, and learn from AWS experts.	<a href="#">Explore »</a>
AWS Podcast	Listen and learn about AWS.	<a href="#">Explore »</a>
AWS Blog	Read about the latest launches from AWS Technical Evangelist Jeff Barr and others.	<a href="#">Explore »</a>
AWS Documentation	Search for AWS service guides, API references, tutorials, projects, SDKs, and toolkits.	<a href="#">Explore »</a>
AWS Knowledge Center	Review AWS Support’s responses to AWS customers’ most frequently asked questions.	<a href="#">Explore »</a>
AWS FAQs	Find answers to product- and technical-related frequently asked questions.	<a href="#">Explore »</a>
AWS Hands-On Tutorials	Get started with 10-minute, step-by-step tutorials to launch your first application.	<a href="#">Explore »</a>
AWS Solutions Library	Use vetted, technical reference implementations designed to help you solve common problems and build faster.	<a href="#">Explore »</a>
AWS YouTube Channel	Explore a wide variety of AWS topics by watching videos created by AWS experts across the world.	<a href="#">Explore »</a>

**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](#).