

AWS Ramp-Up Guide: Databases

For Data Engineers, Architects, Developers and Operations Engineers

AWS Training and Certification builds your competence, confidence, and credibility through practical cloud skills that help you innovate and build your future. Use this go-to reference guide to ramp up your knowledge of fundamentals, concepts, and best practices for databases. You'll find free digital training offerings, classroom courses, videos, whitepapers, certifications, and other resources. It's all selected by AWS experts to teach you in-demand cloud skills and the real-world knowledge you can use right away to grow your career. To enroll in training and certification exams, and track your progress, visit aws.training and set up a free account.

Phase	Recommended Learning Resource	Duration	Type
Phase 0 Learn the fundamentals of AWS Cloud	- What is Cloud Computing?	10 minutes	Webpage
	- Overview of AWS	2+ hours	Whitepaper
	- AWS Cloud Practitioner Essentials (Second Edition) free digital course or classroom course	6+ hours	Training
	- Cloud Computing with AWS	10 minutes	Webpage
	- AWS Glossary with definitions of key terms and concepts	30 minutes	Webpage
	- Job Roles in the Cloud free digital course	30 minutes	Training
	- AWS Pricing	15 minutes	Webpage
	- How AWS Pricing Works	45 minutes	Whitepaper
	- Compare AWS Support Plans	5 minutes	Whitepaper
	- AWS Cloud Security	10 minutes	Webpage
	- AWS Shared Responsibility Model free digital course	10 minutes	Training
	- Shared Responsibility Model	5 minutes	Webpage
Phase 1 Learn AWS database fundamentals	- Databases on AWS	1+ hour	Webpage
	- AWS Databases – the right tool, for the right job	10 minutes	Infographic
	- AWS Database Offerings free digital course that covers Amazon DocumentDB, Amazon ElastiCache, Amazon Redshift, Amazon Neptune and Amazon Quantum Ledger Database	4 hours	Training
	- Amazon DynamoDB Service Primer free digital course	20 minutes	Training
	- Amazon DynamoDB for Serverless Architectures free digital course	2 hours	Training
	- Amazon RDS Service Primer free digital course	20 minutes	Training
	- Introduction to Database Migration free digital course	45 minutes	Training
	- Database migrations	30 minutes	Webpage
	- AWS Database blog	20 minutes	Blog
	- Enter the Purpose-Built Database Era eBook	2 hours	eBook
	- Gartner report: The future of the DBMS market is cloud	30 minutes	Report
	- PostgreSQL Fundamentals free digital course	20 minutes	Training
	- PostgreSQL Fundamentals: Architecture free digital course	1 hour	Training
- PostgreSQL Fundamentals: SQL Command Line free digital course	15 minutes	Training	
- PostgreSQL Fundamentals: Explain free digital course	30 minutes	Training	

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Phase 2 Dive Deep into AWS databases - Intermediate and Advanced topics	- Data Warehousing on AWS intermediate-level classroom course	3 days	Training
	- Developing on AWS intermediate-level classroom course	3 days	Training
	- Amazon Relational Database Service (Amazon RDS) user documentation	2+ hours	Documentation
	- Amazon ElastiCache user documentation	2+ hours	Documentation
	- Amazon DocumentDB user documentation	2+ hours	Documentation
	- Amazon DynamoDB user documentation	2+ hours	Documentation
	- Amazon ElastiCache user documentation	2+ hours	Documentation
	- Amazon Managed Apache Cassandra Service user documentation	2+ hours	Documentation
	- Amazon Neptune user documentation	2+ hours	Documentation
	- Amazon QLDB user documentation	2+ hours	Documentation
	- Amazon Redshift user documentation	2+ hours	Documentation
	- Migrating Oracle Database Workloads to Oracle Linux on AWS	1+ hours	Whitepaper
	- Modernizing the Amazon Database Infrastructure	2+ hours	Whitepaper
	- Migrating Applications Running Relational Databases to AWS	2+ hours	Whitepaper
	- Configuring Amazon RDS as an Oracle PeopleSoft Database	2+ hours	Whitepaper
	- Best Practices for Running Oracle Database on AWS	1+ hours	Whitepaper
	- Amazon Aurora MySQL Database Administrator's Handbook	1+ hours	Whitepaper
	- Determining the IOPS Needs for Oracle Database on AWS	1+ hours	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	2+ hours	Whitepaper	
- AWS Database Migration Service Best Practices	1+ hours	Whitepaper	
- Migration Strategy for Relational Databases	1+ hours	Webpage	
- Deploying Microsoft SQL Server on Amazon Web Services	2+ hours	Whitepaper	
- Getting Started with Amazon DocumentDB (with MongoDB Compatibility)	2+ hours	Whitepaper	
Explore additional resources	- Learning Library at aws.training : 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.	30 minutes	Training
	- AWS User Group : Join and connect with AWS users all over the world to share ideas and learn.	10 minutes	User Group
	- AWS Events and Webinars : Connect with, collaborate with, and learn from AWS experts. Key events include AWS re:Invent, AWS re:Inforce, and AWS Summits.	10 minutes	Events / Webinars
	- AWS Podcast : Listen and learn about AWS.	10 minutes	Podcast
	- AWS Blog : Read about the latest launches from AWS Technical Evangelist Jeff Barr and others	20 minutes	Blog

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Explore additional resources continued.	– What's New with AWS : Stay up to date on the latest announcements from AWS	10 minutes	Webpage
	– AWS Documentation : For guides, API references, tutorials, projects, SDKs, toolkits, and general resources	15 minutes	Resources
	– AWS Knowledge Center: Review frequently asked questions and requests from AWS customers	15 minutes	Webpage
	– AWS FAQs : Find answers to product and technical questions	15 minutes	FAQs
	– Projects on AWS : Step-by-step guides to help you build and launch your AWS workload	15 minutes	Guides
	– 10-minute tutorials: Get started with a simple "Hello, World!" tutorial to get hands-on with an AWS product	15 minutes	Tutorials
	– AWS Solutions : Vetted, technical reference implementations designed to help you solve common problems and build faster	15 minutes	Webpage
	– Amazon Web Services YouTube Channel	15 minutes	Videos

For a training plan customized for your requirements, contact your AWS Account Manager or contact us at aws.amazon.com/contact-us/aws-training/.

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