How people are bringing the possibilities of purpose-built databases to life

Push the limits of innovation by building your database skills

Launching your purpose-built database journey

The power of data has grown exponentially over the last several years, creating a new universe of possibilities for applications, services, and beyond. But data is inherently chaotic and complex. New types of data are constantly emerging—and as a result, data volumes are becoming harder to manage the larger they grow. This universe needs a framework, and to build that framework, you need a blueprint. That's where databases come in.

Databases help transform raw data into manageable systems—and today, they're doing so in ways that eclipse the monolithic "relational-only" paradigms of the past. Purpose-built cloud databases are empowering innovators like you to use the right tools for the right jobs, enabling faster innovation, agility, and business transformation.

But these next-generation databases need people with proven expertise to maximize their potential. Developing the skills to design, plan, and manage purpose-built databases is naturally vital for database administrators— but it's also becoming essential for a variety of other roles. Today's developers, data engineers, solutions architects, database programmers, technology consultants, and cloud architects all stand to benefit from database training.

In this e-book, we'll introduce you to effective methods of **building your database skills**. We'll help you start your journey and propel you into this new universe of data—empowering you to explore and innovate throughout the ever-growing expanse of purpose-built database possibilities.

Fulfilling the possibilities of purpose-built databases

Purpose-built cloud databases are designed to collect, process, and interpret specific types of data for a broad variety of use cases. And they're enabling innovators like you (and the organizations you work for) to realize a wide range of benefits.

Greater scalability and performance: Create and manage internet-scale applications that can handle millions of requests per second.

Real-world proof: Prime Video boosted resiliency and reduced latency by 30%.[1]

Cost-efficiency: Reduce costs by building solutions with better performance and availability.

Real-world proof: Intuit Mint reduced database costs by 25%.[3]

New possibilities: Experiment freely and with less risk as you develop advanced solutions—such as real-time apps and leaderboards.

Real-world proof: Peloton's real-time leaderboard pushed over one million riders to keep on pedaling.[2]

More time to innovate: Spend less time on data and more time on higher-value work.

Real-world proof: The Pokémon Company freed up resources to focus on strategic initiatives.[4]

Before you can bring these benefits to fruition, however, you must develop the proper database skills and expertise. AWS Training and Certification is here to help.

[1] https://aws.amazon.com/solutions/case-studies/amazon-primevideo-dynamodb/
[2] https://aws.amazon.com/solutions/case-studies/Peloton/
[3] https://aws.amazon.com/solutions/case-studies/intuit-mint/
[4] https://aws.amazon.com/solutions/case-studies/the-pokemon-company-case-study/

aws training and certification

Building your purpose-built database skills

With flexible, comprehensive learning from AWS Training and Certification, you can quickly and effectively build the skills you need to understand and use purpose-built databases.

Database training by AWS is more than a single class or seminar. It's your personal journey through a mix of on-demand digital and live instructor-led training across 40+ courses, spanning all skill levels and devised for multiple roles. And all of our training materials are designed by the experts at AWS, who ensure our curriculum stays timely and relevant. They're the same experts who brought you the world's broadest portfolio of purpose-built databases, which is deployed by thousands of customers.

We offer on-demand digital courses that you can complete how, when, and where you want at your own pace. You can also take live virtual-classroom training led by expert instructors, who will guide you through hands-on, practical exercises and teach you real-world best practices. And your organization can even schedule private classes for group training as needed.

Wondering how or where to get started? Read on—the next section provides guidance to help light your way.

AWS database training is your personal journey through a mix of on-demand digital and live instructor-led training across 40+ courses, spanning all skill levels and devised for multiple roles.

aws training and certification

Chart your own purpose-built database path

Getting started with AWS database training is quick and easy. Each space on this sequential learning path represents a course or exam available from AWS Training and Certification, and the path dives deeper into technical knowledge with each step forward.

As you become more proficient in AWS database technologies, you may want to validate the skills you've built with our **AWS Certified Database – Specialty certification**. This industry-recognized credential demonstrates your comprehensive understanding of the breadth of AWS database services and how to use them to drive business transformation.

The Databases Learning Path is only a recommendation: where your journey starts and ends is totally up to you. You're free to take courses in any order you'd like, and we encourage you to venture beyond the path and explore additional offerings. If you're seeking to learn foundational or advanced cloud concepts, there's an AWS Training course to help you build or expand your skills, no matter your role or skill level.

Explore the learning path and individual courses »

Databases Learning Path

AWS Database Offerings
Digital course (on demand) Learn the basics of database technologies and get to know the different AWS purpose-built database services.

Planning and Designing Databases on AWS
Classroom course (live; virtual or in person) Get hands-on training and learn how to choose, use, and manage purpose-built databases.

Optional:

Architecting on AWS
Classroom course (live; virtual or in person) Learn the fundamentals of building IT infrastructure on AWS.

Add on free digital training at **aws.training**

AWS Certified Database - Specialty
Exam (remotely proctored or in person) Validate your database skills by earning an industry-recognized credential.

Exam Readiness: AWS Certified Database - Specialty
Digital course (on demand) Explore exam topics and learn how they relate to AWS databases.

aws training and certification

= classroom   = foundational   = intermediate   = advanced

Venturing further along your purpose-built journey

While the Databases Learning Path is a great starting point for helping you build essential database skills, there's so much more to explore. AWS Training and Certification offers several related courses that are key to helping you augment your abilities and focus on a specific skill set tied to a real-world need.

In the next few sections, we'll introduce you to three sets of these courses, arranged by database focus area.

Need help navigating your journey?

Our downloadable **Ramp-Up Guide** is your go-to reference for links and details on all of our database-related courses, grouped by skill level.

Learn AWS purpose-built database services

Our primer courses can help you get up to speed on the different AWS purpose-built database services. Each course introduces you to the described service's core features and capabilities, while also detailing how it integrates with other AWS services.

Amazon Aurora Service Primer »
Digital course (on demand)
MySQL and PostgreSQL-compatible relational database built for the cloud

Amazon DocumentDB Service Primer »
Digital course (on demand)
Fast, scalable, highly available MongoDB-compatible database service

Amazon DynamoDB Service Primer »
Digital course (on demand)
Key-value and document NoSQL database service for any scale

Amazon ElastiCache Service Primer »
Digital course (on demand)
Fully managed in-memory data store, compatible with Redis or Memcached

Amazon Neptune Service Primer »
Digital course (on demand)
Fast, reliable graph database built for the cloud

Amazon Quantum Ledger Database (QLDB) Service Primer »
Digital course (on demand)
Ledger database that provides a transparent, immutable, and cryptographically verifiable transaction log

Amazon RDS Service Primer »
Digital course (on demand)
Service that makes it easy to set up, operate, and scale a relational database in the cloud

Amazon Redshift Service Primer »
Digital course (on demand)
Cloud data warehouse that enables efficient querying across petabytes of data

Learn database migration

These courses can help you build your database migration skills, showing you how to move databases to the cloud quickly and securely while minimizing downtime.

Introduction to Database Migration »

Digital course (on demand)

Get hands-on practice for the full migration process, from envisioning to post-production support

Amazon Aurora MySQL – Migration »

Digital course (on demand)

Gain an understanding of available Amazon Aurora MySQL migration methods

Mapping a Few Core Oracle DB Concepts to Amazon RDS/Aurora PostgreSQL Concepts »

Digital course (on demand)

Learn about the differences and similarities in Oracle databases and Amazon RDS PostgreSQL or Amazon Aurora PostgreSQL databases

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Learn PostgreSQL

Improve and expand your skills for PostgreSQL, a popular open-source relational database management system.

PostgreSQL Fundamentals »

Digital course (on demand)
Start using PostgreSQL while learning its history and basic functions

PostgreSQL Fundamentals: SQL Command Line »

Digital course (on demand)
Learn the native command-line client for a PostgreSQL database

PostgreSQL Fundamentals: Architecture »

Digital course (on demand)
Gain proficiency in reading, writing, editing, and storing data in PostgreSQL

PostgreSQL Fundamentals: SQL Explain »

Digital course (on demand)
Discover how to use Explain in a PostgreSQL database

People make purpose-built possible

As databases continue to play a larger role in the business world, database expertise has become a valuable asset for individuals pursuing a variety of job roles. Specifically, the most sought-after expertise involves the skills to proficiently plan, design, and manage purpose-built cloud databases.

That's why AWS offers such a broad curriculum of database training. Regardless of your role or level of experience, there's something for you. You can follow a curated learning path or jump around between the topics and lessons that interest you the most. You can pursue personal satisfaction, professional advancement, the recognition that comes with certification, or any combination of the three.

While purpose-built cloud databases are powerful, it's people like you who are building the expertise to make purpose-built possibilities real. With the proper training, your database skills can help you accelerate innovation in key areas of your business—from improving existing solutions to developing world-changing applications—and beyond.

Start your journey today by exploring our 40+ database-related courses—many of which are available free and on demand. **Get started »**