Building for the Future with AWS Databases

Fireside Chat with Shawn Bice, VP of Databases

Hosted by Rich Hua, Principal Worldwide GTM Specialist

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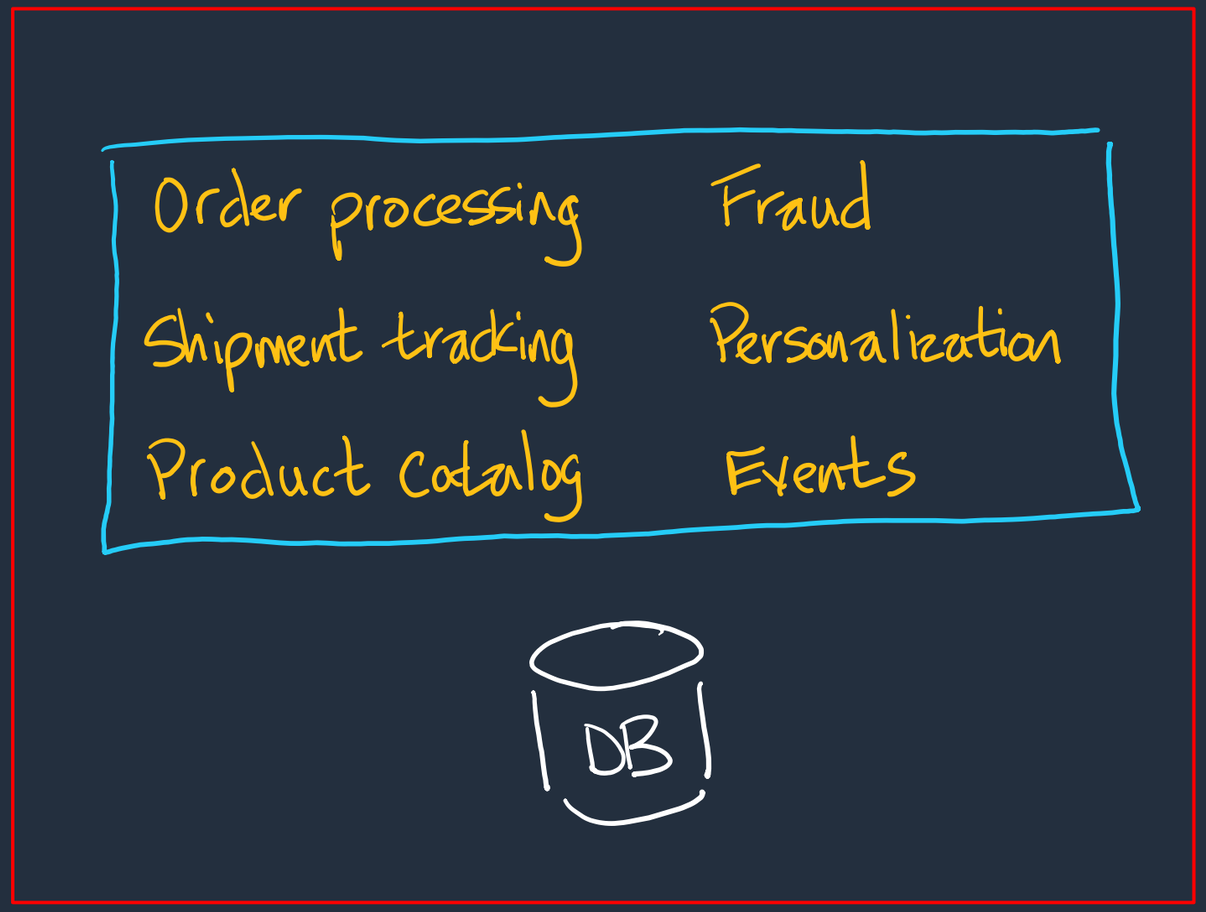
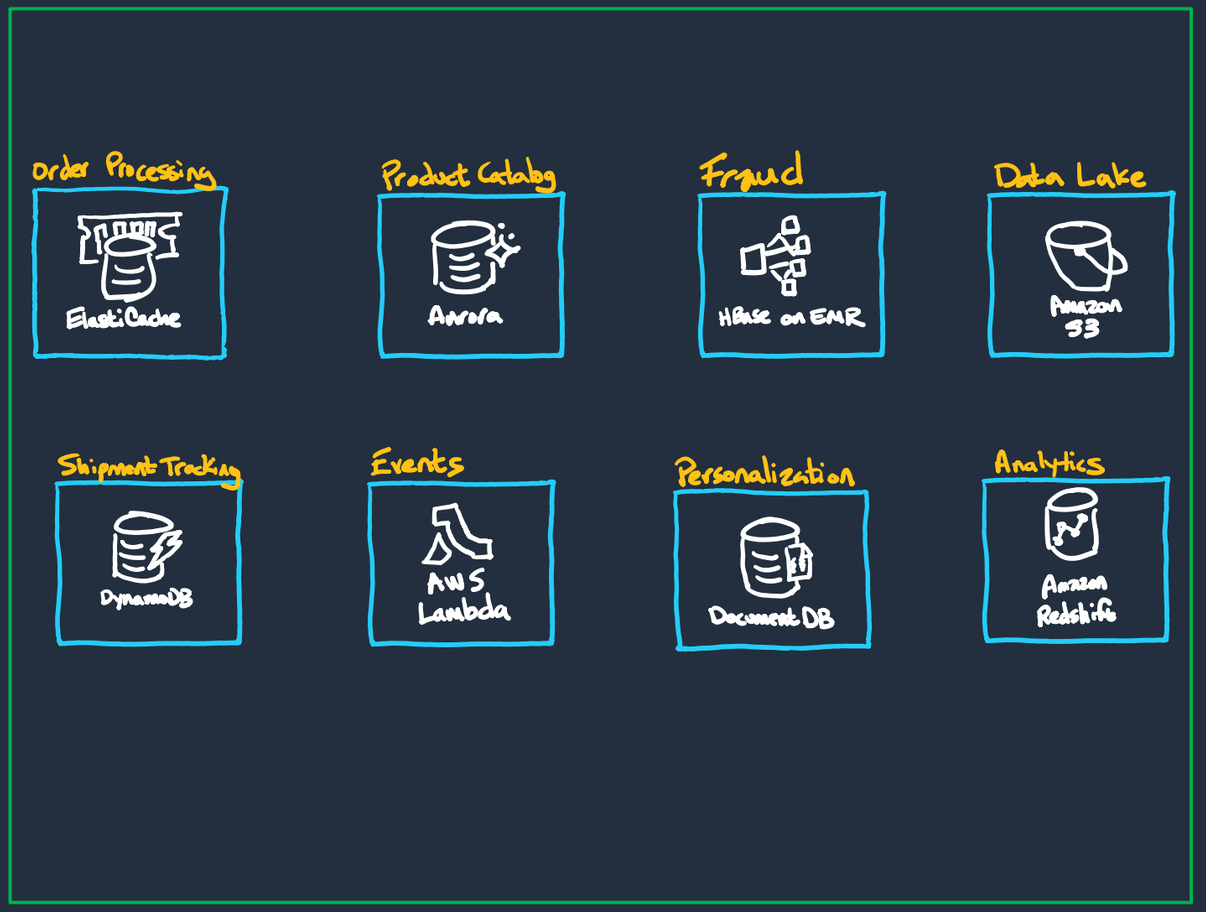
A tale of two customers





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A tale of two customers

Don't let familiarity become a blind spot that stifles innovation

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Remember when . . .

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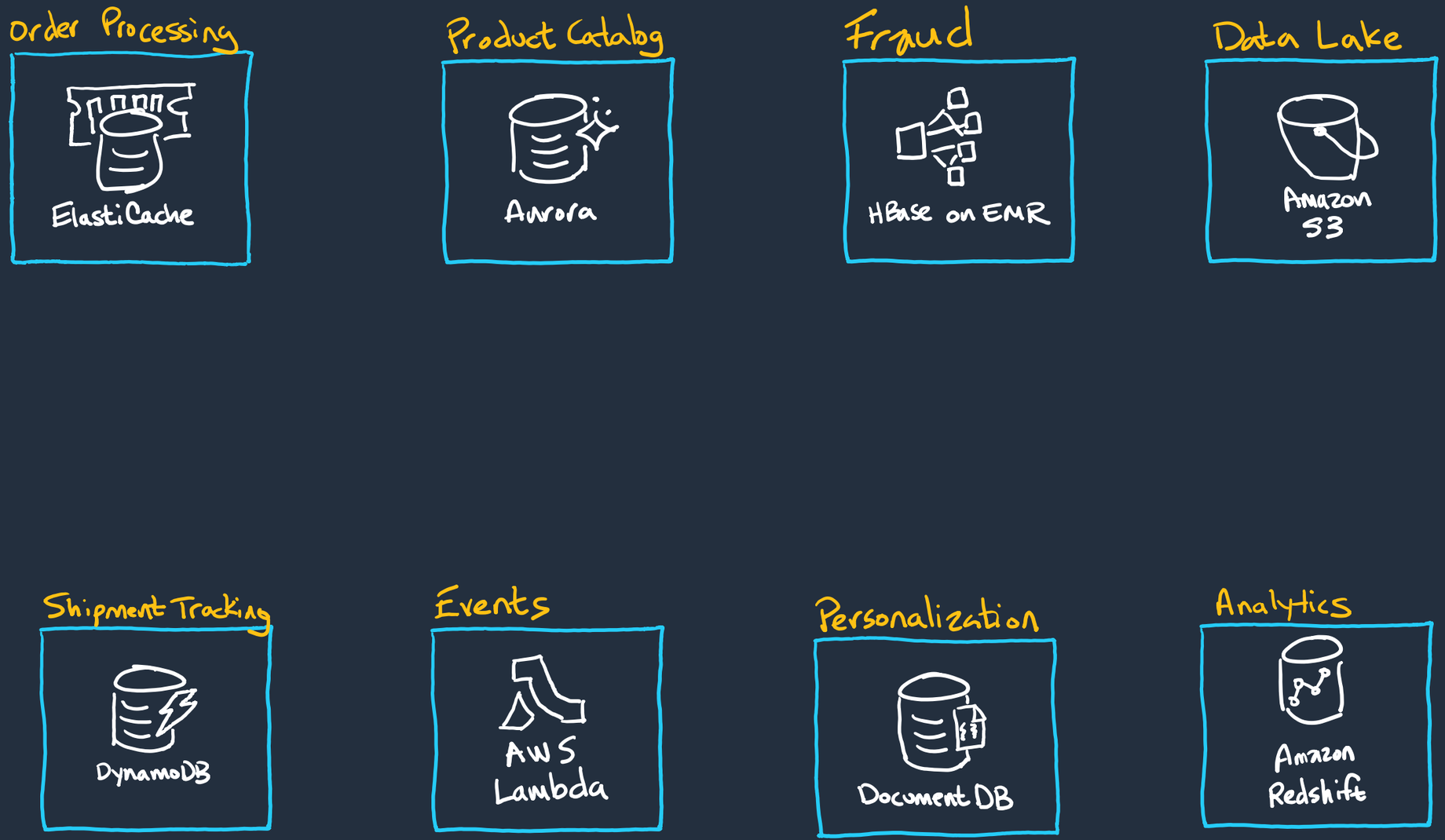
Building for the cloud



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Moving to fully managed APIs

Command Line Interface

```
aws rds create-db-instance
 -- engine postgres \
 -- db-instance-class db.t3.medium \
 -- storage-type gp2
```

Command Line Interface

```
aws rds modify-db-instance
 -- db-instance-class db.M6.xlarge \
 -- multi-az \
 -- storage-type io1 \
 -- backup-retention-period 30 \
 -- apply immediately
```

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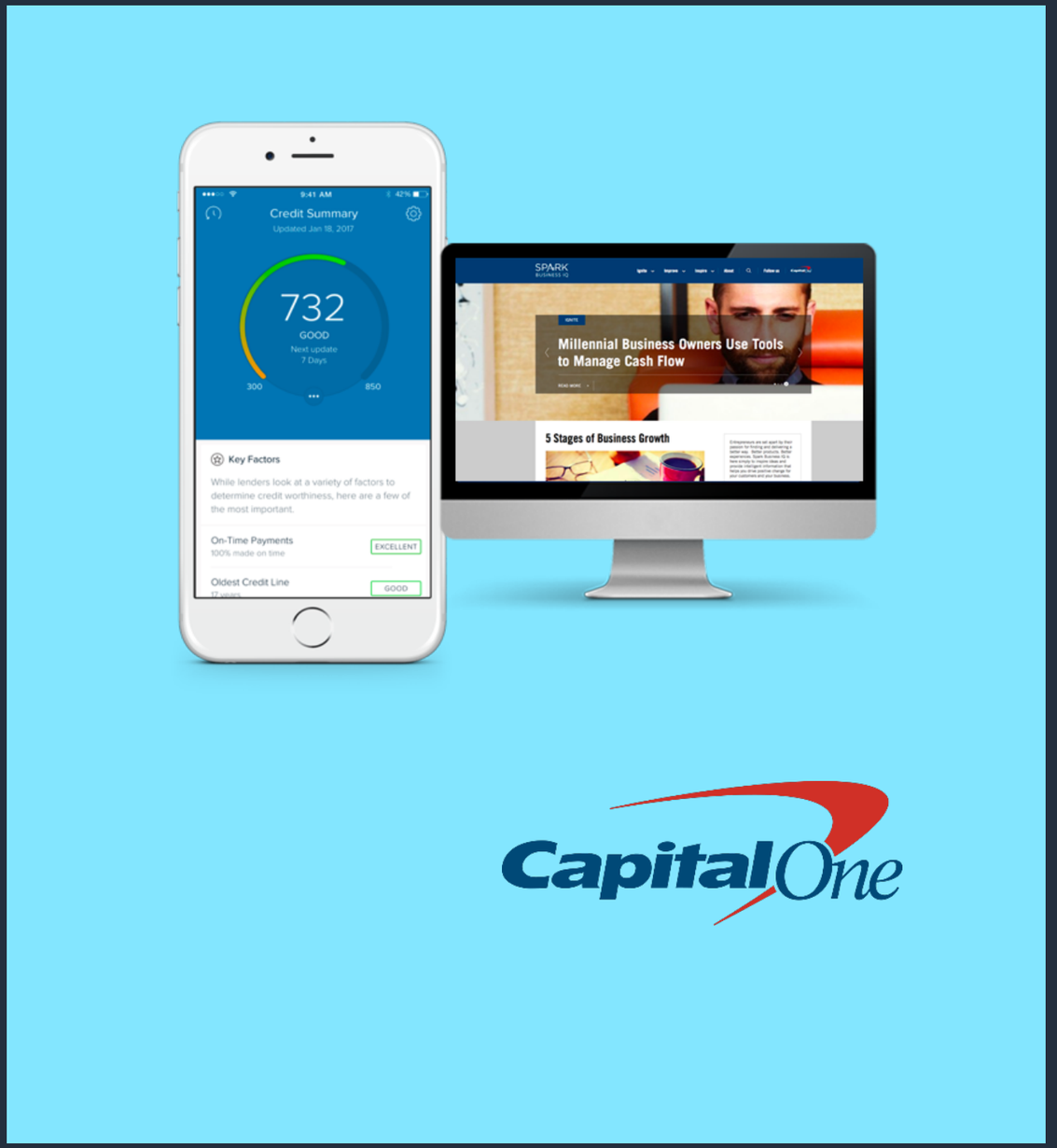

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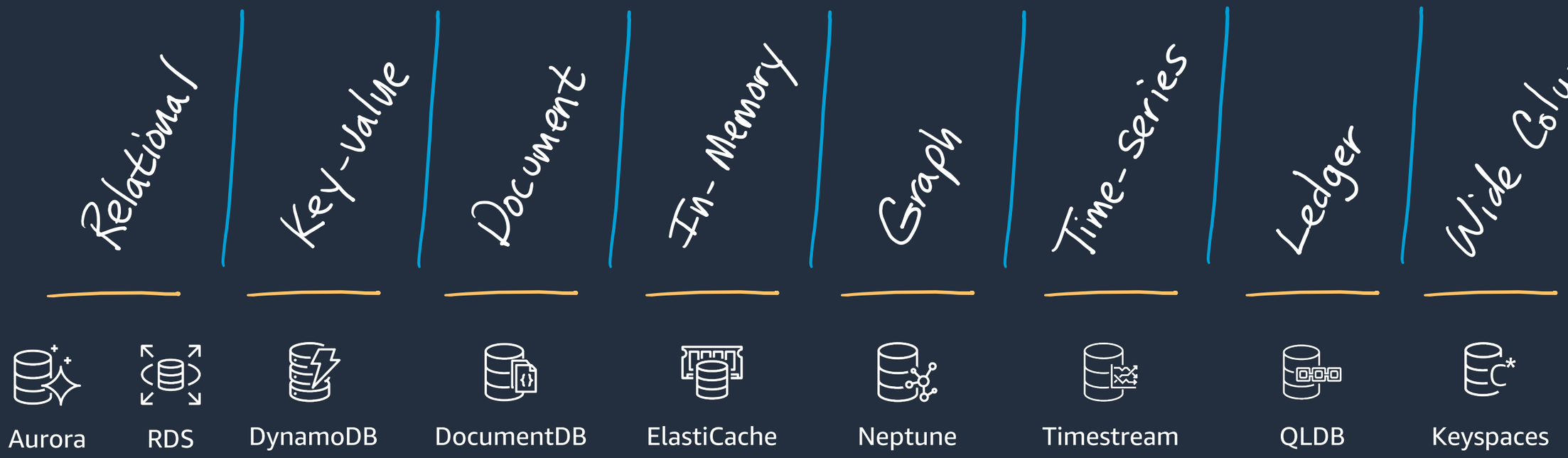
Purpose-built databases



The most complete family of purpose-built databases

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Amazon Aurora

FASTEST-GROWING
AWS SERVICE, EVER

MySQL and PostgreSQL compatible

Several times faster than standard MySQL and PostgreSQL

Highly available and durable

1/10th the cost of commercial-grade databases

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AWS helps customers achieve database freedom

POWERFUL TOOLS

DMS | SCT

ROBUST PROGRAMS

ORACLE Microsoft SQL Server

AWS PROFESSIONAL SERVICES & PARTNERS

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Graviton2 instances lower TCO

Up to 35% better performance than existing instance families

11% lower cost vs same-sized comparable instances

Fully-managed with easy scale compute

Up to 40% better price performance

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Amazon Aurora Serverless v2

Support the most demanding applications without managing database capacity

Highly scalable

Scale instantly, from hundreds to hundreds of thousands of transactions, in a fraction of a second

Save up to 90%

Scale capacity in fine-grained increments and save up to 90% of costs vs. provisioning capacity for peak load

Highly available

Power your business-critical workloads with the full breadth of Aurora features, including Multi-AZ, read replicas, and Global Database

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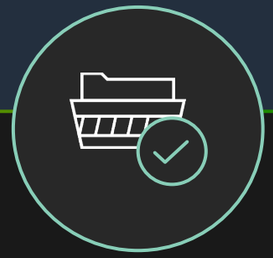
AWS Glue Elastic Views

Easily combine and replicate data across multiple data stores

Create materialized views across data stores

Create materialized views across a wide variety of databases and data stores using familiar SQL

Keep data up to date



Continuously monitors source databases for changes and updates targets within seconds

No servers to manage

Serverless and automatically scales capacity up or down to accommodate your workloads

Reduce time & effort

Handles the heavy lifting of copying and combining data without requiring custom code

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Babelfish for Aurora PostgreSQL

Run SQL Server applications on PostgreSQL with little to no code changes

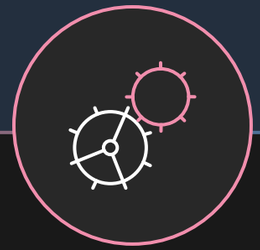
Keep existing queries

Translation layer enables Aurora PostgreSQL to understand Microsoft SQL Server's proprietary T-SQL

Accelerate migrations

Lower risk and complete migrations faster, saving you months to years of work

Freedom to innovate



Run T-SQL code side-by-side with new open source functionality and continue developing with familiar tools

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Babelfish for PostgreSQL (Open-Source Project)

An open-source project for Babelfish source code

Customize and add new features

Contribute to help steer the direction of Babelfish

Available on GitHub in 2021

Is community-driven and provides transparency into the feature roadmap

Apache 2.0 license

Use it for any purpose, innovate and distribute your modifications with confidence

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