aws

Amazon Aurora

At the core of the lesson

You will learn how to describe the Amazon Aurora database service and its features.

What is Aurora?

Amazon Aurora

- Aurora is a fully managed relational database engine that is compatible with MySQL and PostgreSQL.

- It combines the performance and availability of high-end commercial databases with the simplicity and cost-effectiveness of open source databases.

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Key features and benefits

The following are why customers use Aurora:

- Compatible

- Pay-as-you-go service

- Managed service

- Fault tolerant

- Resilient design

Aurora key components

Aurora consists of the following components:

- Instance
  - Primary instance
  - Aurora replica instance
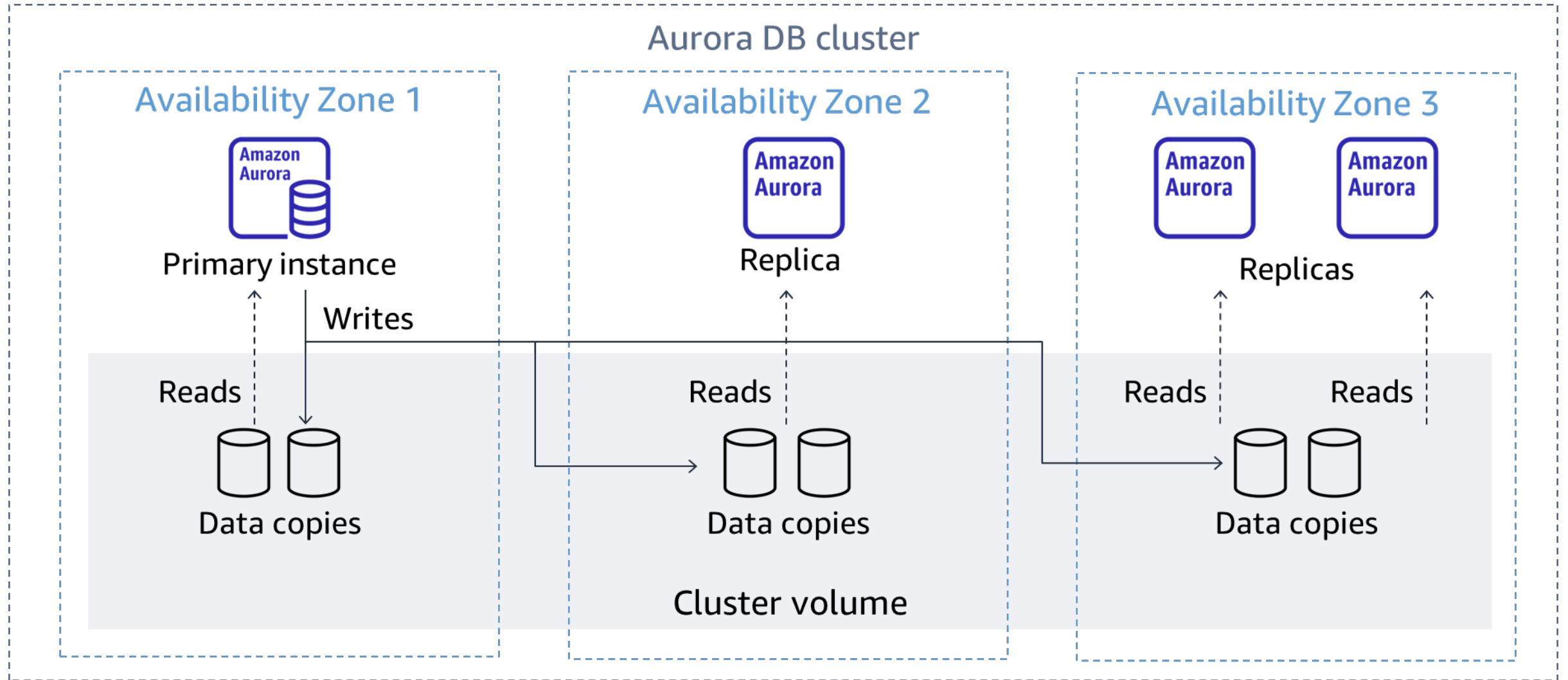- Database (DB) cluster
- Cluster volume

Amazon Aurora

Primary instance

Amazon Aurora

Replica instance

Aurora DB cluster architecture

Use cases

Aurora is an ideal choice for a number of use cases.

Enterprise applications

Software as a Service (SaaS) applications

Web and mobile gaming applications

Checkpoint questions

1. What is Aurora?

2. What are the two types of instances in an Aurora DB cluster?

3. Why is Aurora ideal for a mobile gaming use case?

Key ideas

- Aurora is a highly available, resilient, and cost-effective managed relational database. Amazon Relational Database Service (Amazon RDS) fully manages Aurora.

- The Aurora database engine is fully compatible with existing MySQL and PostgreSQL open-source databases and regularly adds compatibility for new releases.

- Aurora can provide up to five times the throughput of standard MySQL and up to three times the throughput of standard PostgreSQL that runs on the same hardware.

Thank you

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