Google Cloud Spanner

Google Cloud Spanner is a fully managed, mission-critical, relational database service that offers transactional consistency at global scale, schemas, SQL (ANSI 2011 with extensions), and automatic, synchronous replication for high availability.

Features

- Strong consistency.
- SQL support with `ALTER` statements for schema changes.
- Managed instances with high availability through transparent, synchronous, built-in data replication.
- Regional and multi-regional instance configurations.
- Integration with IAM including permissions: admin, databaseAdmin, databaseReader, databaseUser, and viewer.

When to Use

- Relational, structured and semi-structured data.
- High availability.
- Strong consistency.
- Transactional reads and writes.

When not to use?

- Do not need strongly consistent and horizontally scaling relational database.
- Need an open-source database.