

DAT405 | Deep dive into Amazon Aurora and its innovations - Part 1

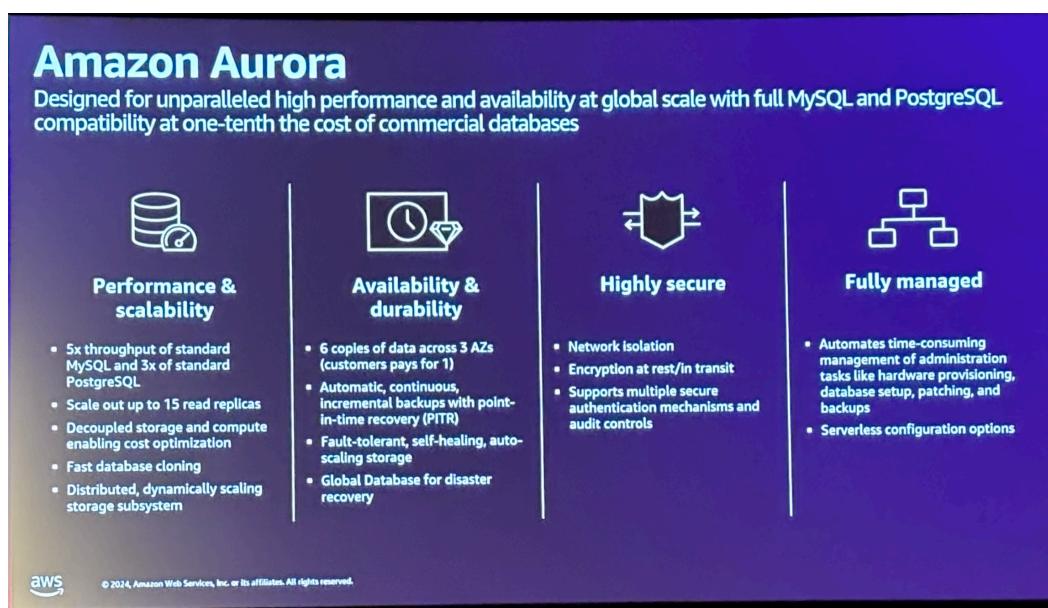
With an innovative architecture that decouples compute from storage and advanced features like Amazon Aurora Global Database and low-latency read replicas, Aurora reimagines what it means to be a relational database. Aurora is a modern database service offering unparalleled performance and high availability at scale with full open source MySQL and PostgreSQL compatibility. In this session, dive deep into the most exciting new features that Aurora offers including Aurora PostgreSQL Limitless Database, Aurora I/O-Optimized, Aurora zero-ETL integration with Amazon Redshift, and Aurora Serverless v2.

Additionally, learn how the addition of the pgvector extension allows for the storage of vector embeddings and support of vector similarity searches for generative AI.

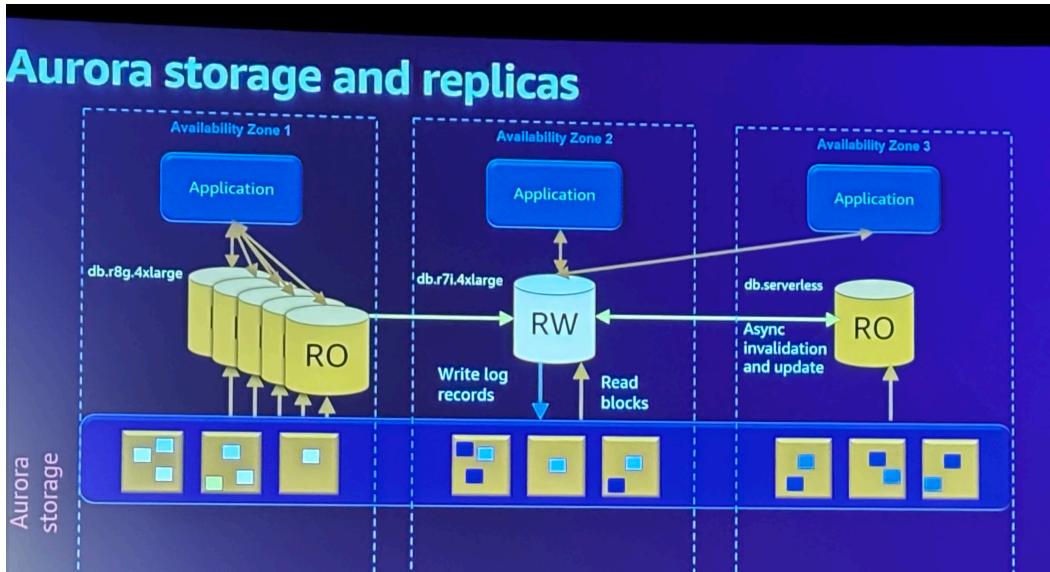
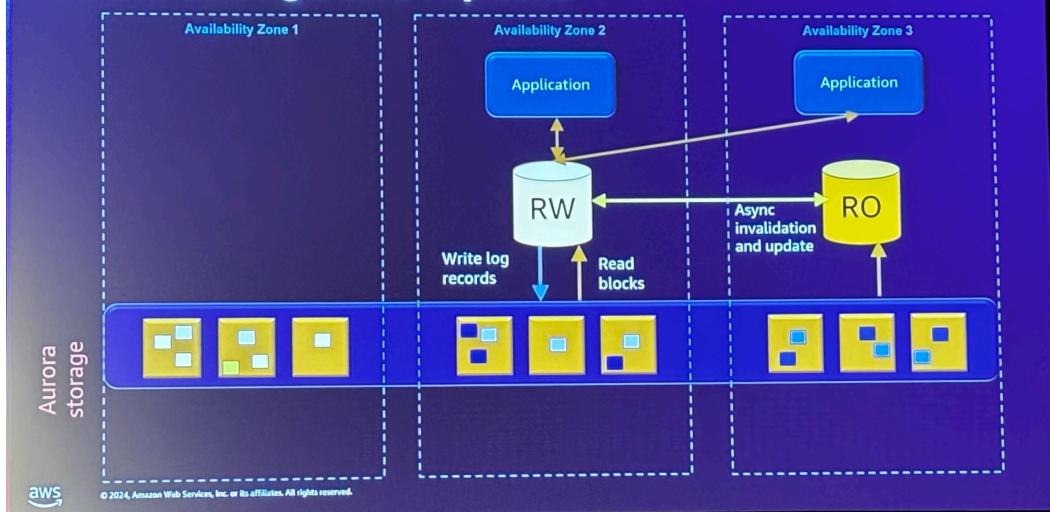
Grant McAlister, Senior Principal Engineer, AWS

Youtube Link: <https://www.youtube.com/watch?v=kVVdHezNTpw>

Architecture Flow/ Presentation:



Aurora storage and replicas



Aurora storage and replicas



Aurora – local write forwarding

