

What's new in Amazon DocumentDB (with MongoDB compatibility)

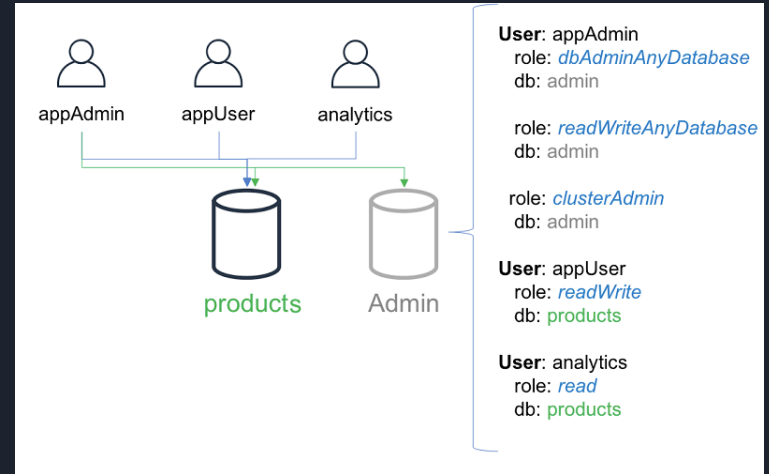
Meet Bhagdev
Senior Product Manager

Working Backwards



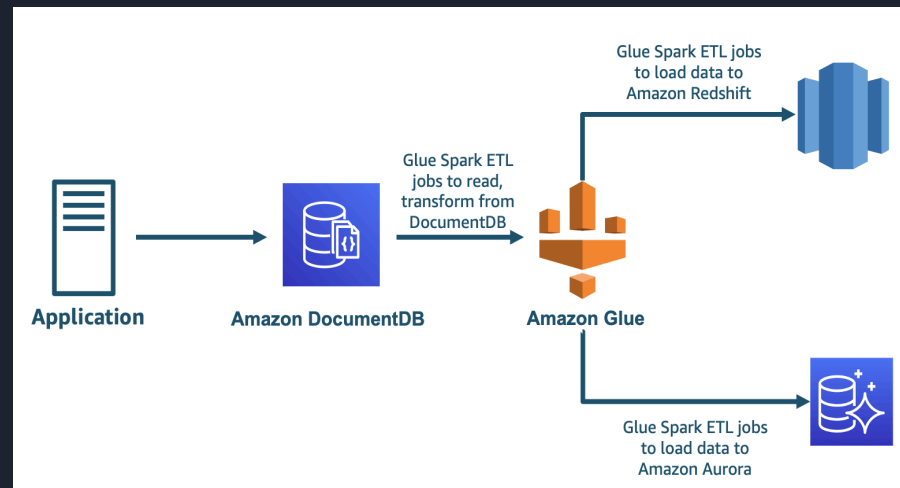
Role-Based Access Control (RBAC)

- Grant users one or more predefined roles (for example, **read**, **readWrite**, or **dbOwner**)
- Enforcing **least privilege**
- Managing users for **Multi-tenant applications**



Glue Support

- Use **Glue Spark ETL jobs** to read, transform, and load data from Amazon DocumentDB
- Load it into Amazon Redshift, Aurora and other services for **downstream analytics**



MongoDB compatibility

- Multi-key Indexing: Now create compound **multi-key index** with **multiple keys in the same array**
- Regex indexing: Now use an index for **\$regex queries**
- Null characters: Now use **null characters** in DocumentDB strings

T3 instances

- 72% cheaper than r5.large instances
- Starting at \$0.08/hour, \$50/month
- Ideal for dev/test, QA, and small production workloads

Region launches

- DocumentDB is now available in 14 regions
- Added support for AWS GovCloud (US-West)
 - Isolated AWS Regions
 - Designed to host sensitive data and regulated workloads in the cloud
 - Ideal for customers who have United States federal, state, or local government compliance requirements

New CloudWatch metrics

- Six new metrics for monitoring **MongoDB opcounters** (insert, update, delete, query, command and getmore)
- Four new metrics for monitoring **connections and cursors** (number of cursors, max open cursors and connections, and number of timed out cursors)
- Four new metrics for monitoring **operations on documents** (inserted, updated, deleted and returned)
- Metric for monitoring the **count of documents deleted by the TTL monitor**
- Metric for monitoring the **cache hit ratio for indexes**

Cross region snapshot copy

- Copy a DocumentDB snapshot to **another AWS region**
- Set it up in the console and/or CLI
- Useful for **disaster recovery**, security, or to populate a development/test environment

Q&A