

MongoDB Cloud Solutions

MongoDB Atlas : Deep Dive

- MongoDB Atlas is a database as service offering
- Provides shared or dedicated or dedicated multi cloud , multi region clusters.
- Cluster can be created on AWS. Azure or GPC
- The customer can choose the vendor while creating cluster
- Provides replica set and sharding clusters. But standalone servers are not offered in MongoDB Atlas
- Sharding is supported only on higher dedicated cluster offering (m30 onwards)
- Per hour billing . Pay as you go model.

Shared Clusters

- For learning and development activities
- Always free cluster (Sandbox or M0) available with restrictions on storage size(500MB), number of databases (100) , number of collections (Max 500)
- In-rest encryption enabled
- Paid Clusters ,m2 (2 GB storage) and m5 (5 Gb storage) offered in shared cluster
- Automatic backups are not available for M0, but can be turned on from M2 onwards

Dedicated Clusters

- For production ready systems
- All the features of shared cluster included plus
- Auto-scaling
- Real time monitoring
- Sharding is supported in dedicated hosting , from m30 cluster onwards.

Dedicated multi cloud , multi region clusters.

- For systems which requires multi-region resiliency and ultra-low latency.
- All the features of dedicated cluster included plus
- Can replicate the data across clouds and regions
- Supports Global clusters: A solution which offers location-aware read and write operations and provides ultra-low latency
- Global clusters are supported from m30 cluster onwards.