

# Replication in MongoDB

- Provide data high availability and disaster recovery
- Multiple replicas (copies) of data on different database servers and/or locations
- A replica set can have only one primary replica and many secondary replicas
- Primary replica can write and read, secondary replicas are read only
- Secondary replicas sync with the primary replica asynchronously
- If primary replica fails, a secondary replica takes over automatically
- Secondary replicas promote data locality and availability for distributed applications
- Three replicas in a replica set is usually sufficient

A replica set with 3 replicas



Writes

Reads



The primary replica supports both write and read

A secondary replica can be used for disaster recovery, reporting, or backup

