❯ mongod --port 27017 --dbpath ~/Desktop/mongoDB/replicaPractice/db0 --replSet "rs0" --bind\_ip localhost --fork --logpath ~/db0.log

mongod --port 27018 --dbpath ~/Desktop/mongoDB/replicaPractice/db1 --replSet "rs0" --bind\_ip localhost --fork --logpath ~/db1.log

mongod --port 27019 --dbpath ~/Desktop/mongoDB/replicaPractice/db2 --replSet "rs0" --bind\_ip localhost --fork --logpath ~/db2.log

about to fork child process, waiting until server is ready for connections.

forked process: 15943

ERROR: child process failed, exited with 1

To see additional information in this output, start without the "--fork" option.

about to fork child process, waiting until server is ready for connections.

forked process: 15953

child process started successfully, parent exiting

about to fork child process, waiting until server is ready for connections.

forked process: 16028

child process started successfully, parent exiting

mongosh --port 27018

Current Mongosh Log ID: 684ad9e2977a3e88a4c59f34

Connecting to: mongodb://127.0.0.1:27018/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.1

Using MongoDB: 8.0.9

Using Mongosh: 2.5.1

mongosh 2.5.2 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/

------

The server generated these startup warnings when booting

2025-06-12T19:09:21.351+05:30: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem

2025-06-12T19:09:21.500+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

2025-06-12T19:09:21.500+05:30: Soft rlimits for open file descriptors too low

2025-06-12T19:09:21.500+05:30: For customers running the current memory allocator, we suggest changing the contents of the following sysfsFile

2025-06-12T19:09:21.500+05:30: We suggest setting the contents of sysfsFile to 0.

2025-06-12T19:09:21.500+05:30: Your system has glibc support for rseq built in, which is not yet supported by tcmalloc-google and has critical performance implications. Please set the environment variable GLIBC\_TUNABLES=glibc.pthread.rseq=0

2025-06-12T19:09:21.501+05:30: We suggest setting swappiness to 0 or 1, as swapping can cause performance problems.

------

test> rs.initiate({\_id: "rs0", members: [{\_id : 0, host: "localhost:27018"},{\_id : 1, host: "localhost:27019"}, {\_id : 2, host : "localhost:27020"}]})

{

ok: 1,

'$clusterTime': {

clusterTime: Timestamp({ t: 1749736156, i: 1 }),

signature: {

hash: Binary.createFromBase64('AAAAAAAAAAAAAAAAAAAAAAAAAAA=', 0),

keyId: Long('0')

}

},

operationTime: Timestamp({ t: 1749736156, i: 1 })

}

rs0 [direct: secondary] test> rs.status()

{

set: 'rs0',

date: ISODate('2025-06-12T13:49:36.129Z'),

myState: 1,

term: Long('1'),

syncSourceHost: '',

syncSourceId: -1,

heartbeatIntervalMillis: Long('2000'),

majorityVoteCount: 2,

writeMajorityCount: 2,

votingMembersCount: 3,

writableVotingMembersCount: 3,

optimes: {

lastCommittedOpTime: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

lastCommittedWallTime: ISODate('2025-06-12T13:49:27.252Z'),

readConcernMajorityOpTime: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

appliedOpTime: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

durableOpTime: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

writtenOpTime: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

lastAppliedWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastDurableWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastWrittenWallTime: ISODate('2025-06-12T13:49:27.252Z')

},

lastStableRecoveryTimestamp: Timestamp({ t: 1749736156, i: 1 }),

electionCandidateMetrics: {

lastElectionReason: 'electionTimeout',

lastElectionDate: ISODate('2025-06-12T13:49:27.079Z'),

electionTerm: Long('1'),

lastCommittedOpTimeAtElection: { ts: Timestamp({ t: 1749736156, i: 1 }), t: Long('-1') },

lastSeenWrittenOpTimeAtElection: { ts: Timestamp({ t: 1749736156, i: 1 }), t: Long('-1') },

lastSeenOpTimeAtElection: { ts: Timestamp({ t: 1749736156, i: 1 }), t: Long('-1') },

numVotesNeeded: 2,

priorityAtElection: 1,

electionTimeoutMillis: Long('10000'),

numCatchUpOps: Long('0'),

newTermStartDate: ISODate('2025-06-12T13:49:27.139Z'),

wMajorityWriteAvailabilityDate: ISODate('2025-06-12T13:49:27.605Z')

},

members: [

{

\_id: 0,

name: 'localhost:27018',

health: 1,

state: 1,

stateStr: 'PRIMARY',

uptime: 615,

optime: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

optimeDate: ISODate('2025-06-12T13:49:27.000Z'),

optimeWritten: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

optimeWrittenDate: ISODate('2025-06-12T13:49:27.000Z'),

lastAppliedWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastDurableWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastWrittenWallTime: ISODate('2025-06-12T13:49:27.252Z'),

syncSourceHost: '',

syncSourceId: -1,

infoMessage: 'Could not find member to sync from',

electionTime: Timestamp({ t: 1749736167, i: 1 }),

electionDate: ISODate('2025-06-12T13:49:27.000Z'),

configVersion: 1,

configTerm: 1,

self: true,

lastHeartbeatMessage: ''

},

{

\_id: 1,

name: 'localhost:27019',

health: 1,

state: 2,

stateStr: 'SECONDARY',

uptime: 19,

optime: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

optimeDurable: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

optimeWritten: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

optimeDate: ISODate('2025-06-12T13:49:27.000Z'),

optimeDurableDate: ISODate('2025-06-12T13:49:27.000Z'),

optimeWrittenDate: ISODate('2025-06-12T13:49:27.000Z'),

lastAppliedWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastDurableWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastWrittenWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastHeartbeat: ISODate('2025-06-12T13:49:35.103Z'),

lastHeartbeatRecv: ISODate('2025-06-12T13:49:36.105Z'),

pingMs: Long('0'),

lastHeartbeatMessage: '',

syncSourceHost: 'localhost:27018',

syncSourceId: 0,

infoMessage: '',

configVersion: 1,

configTerm: 1

},

{

\_id: 2,

name: 'localhost:27020',

health: 1,

state: 2,

stateStr: 'SECONDARY',

uptime: 19,

optime: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

optimeDurable: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

optimeWritten: { ts: Timestamp({ t: 1749736167, i: 16 }), t: Long('1') },

optimeDate: ISODate('2025-06-12T13:49:27.000Z'),

optimeDurableDate: ISODate('2025-06-12T13:49:27.000Z'),

optimeWrittenDate: ISODate('2025-06-12T13:49:27.000Z'),

lastAppliedWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastDurableWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastWrittenWallTime: ISODate('2025-06-12T13:49:27.252Z'),

lastHeartbeat: ISODate('2025-06-12T13:49:35.101Z'),

lastHeartbeatRecv: ISODate('2025-06-12T13:49:36.103Z'),

pingMs: Long('0'),

lastHeartbeatMessage: '',

syncSourceHost: 'localhost:27018',

syncSourceId: 0,

infoMessage: '',

configVersion: 1,

configTerm: 1

}

],

ok: 1,

'$clusterTime': {

clusterTime: Timestamp({ t: 1749736167, i: 16 }),

signature: {

hash: Binary.createFromBase64('AAAAAAAAAAAAAAAAAAAAAAAAAAA=', 0),

keyId: Long('0')

}

},

operationTime: Timestamp({ t: 1749736167, i: 16 })

}

rs0 [direct: primary] test> use school

switched to db school

rs0 [direct: primary] school> db.students.insertOne({name : "Yathesht" , marks : 99})

{

acknowledged: true,

insertedId: ObjectId('684adc99977a3e88a4c59f35')

}

rs0 [direct: primary] school> db.students.insertOne({name : "DeleteMe", marks : 100})

{

acknowledged: true,

insertedId: ObjectId('684ae192977a3e88a4c59f36')

}

rs0 [direct: primary] school> db.students.deleteOne({name : "DeleteMe"})

{ acknowledged: true, deletedCount: 1 }

rs0 [direct: primary] school>

mongosh --port 27019

Current Mongosh Log ID: 684adcb5332658918bc59f34

Connecting to: mongodb://127.0.0.1:27019/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.1

Using MongoDB: 8.0.9

Using Mongosh: 2.5.1

mongosh 2.5.2 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/

------

The server generated these startup warnings when booting

2025-06-12T19:09:21.637+05:30: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem

2025-06-12T19:09:21.768+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

2025-06-12T19:09:21.768+05:30: Soft rlimits for open file descriptors too low

2025-06-12T19:09:21.768+05:30: For customers running the current memory allocator, we suggest changing the contents of the following sysfsFile

2025-06-12T19:09:21.768+05:30: We suggest setting the contents of sysfsFile to 0.

2025-06-12T19:09:21.768+05:30: Your system has glibc support for rseq built in, which is not yet supported by tcmalloc-google and has critical performance implications. Please set the environment variable GLIBC\_TUNABLES=glibc.pthread.rseq=0

2025-06-12T19:09:21.768+05:30: We suggest setting swappiness to 0 or 1, as swapping can cause performance problems.

------

rs0 [direct: secondary] test> rs.slaveOk()

TypeError: rs.slaveOk is not a function

rs0 [direct: secondary] test> rs.slaveOk()

TypeError: rs.slaveOk is not a function

rs0 [direct: secondary] test>

(To exit, press Ctrl+C again or Ctrl+D or type .exit)

rs0 [direct: secondary] test> db.getMongo().setReadPref("secondary")

rs0 [direct: secondary] test> use school

switched to db school

rs0 [direct: secondary] school> db.students.find()

[

{

\_id: ObjectId('684adc99977a3e88a4c59f35'),

name: 'Yathesht',

marks: 99

}

]

rs0 [direct: secondary] school> db.students.find({})

[

{

\_id: ObjectId('684adc99977a3e88a4c59f35'),

name: 'Yathesht',

marks: 99

},

{

\_id: ObjectId('684ae192977a3e88a4c59f36'),

name: 'DeleteMe',

marks: 100

}

]

rs0 [direct: secondary] school> db.students.find({})

[

{

\_id: ObjectId('684adc99977a3e88a4c59f35'),

name: 'Yathesht',

marks: 99

}

]

rs0 [direct: secondary] school>