

Configure Replicaset and start mongos process

Configure Replicaset1 with mongod Process on Port 27011 as Primary and Add mongod Processes on 27012 and 27013 as Secondary

1. Start mongo process on Port 27011

```
[root@localhost tom]# mongo --port 27011
```

```
MongoDB shell version: 2.6.3
connecting to: 127.0.0.1:27011/test
>
```

2. Initiate Replicaset

```
> rs.initiate()
```

```
{
  "info2" : "no configuration explicitly specified -- making one",
  "me" : "localhost.localdomain:27011",
  "info" : "Config now saved locally. Should come online in about a minute.",
  "ok" : 1
}
```

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3. Add Members to the Replicaset

```
ReplicaSetNew1:PRIMARY> rs.add("localhost.localdomain:27012")
```

```
{ "ok" : 1 }
```

```
ReplicaSetNew1:PRIMARY> rs.add("localhost.localdomain:27013")
```

```
{ "ok" : 1 }
```

4. Check Status of the Replicaset

```
ReplicaSetNew1:PRIMARY> rs.status()
```

```
{
  "set" : "ReplicaSetNew1",
  "date" : ISODate("2014-07-09T23:07:22Z"),
  "myState" : 1,
  "members" : [
    {
      "_id" : 0,
      "name" : "localhost.localdomain:27011",
      "health" : 1,
      "state" : 1,
      "stateStr" : "PRIMARY",
      "uptime" : 754,
      "optime" : Timestamp(1404947221, 1),
      "optimeDate" : ISODate("2014-07-09T23:07:01Z"),
      "electionTime" : Timestamp(1404947128, 2),
      "electionDate" : ISODate("2014-07-09T23:05:28Z"),
      "self" : true
    },
  ],
}
```

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```
{
  "_id" : 1,
  "name" : "localhost.localdomain:27012",
  "health" : 1,
  "state" : 2,
  "stateStr" : "SECONDARY",
  "uptime" : 37,
  "optime" : Timestamp(1404947221, 1),
  "optimeDate" : ISODate("2014-07-09T23:07:01Z"),
  "lastHeartbeat" : ISODate("2014-07-09T23:07:21Z"),
  "lastHeartbeatRecv" : ISODate("2014-07-09T23:07:22Z"),
  "pingMs" : 0,
  "syncingTo" : "localhost.localdomain:27011"
},
{
  "_id" : 2,
  "name" : "localhost.localdomain:27013",
  "health" : 1,
  "state" : 2,
  "stateStr" : "SECONDARY",
  "uptime" : 21,
  "optime" : Timestamp(1404947221, 1),
  "optimeDate" : ISODate("2014-07-09T23:07:01Z"),
  "lastHeartbeat" : ISODate("2014-07-09T23:07:21Z"),
  "lastHeartbeatRecv" : ISODate("2014-07-09T23:07:21Z"),
  "pingMs" : 0,
  "syncingTo" : "localhost.localdomain:27011"
}
],
"ok" : 1
}
```

5. Exit

```
ReplicaSetNew1:PRIMARY> exit
```

```
bye
```

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Configure Replicaset2 with mongod Process on Port 27021 as Primary and Add mongod Processes on 27022 and 27023 as Secondary

6. Start mongo process on Port 27021

```
[root@localhost tom]# mongo --port 27021
```

```
MongoDB shell version: 2.6.3
connecting to: 127.0.0.1:27021/test
>
```

7. Initiate Replicaset

```
> rs.initiate()
```

```
{
  "info2" : "no configuration explicitly specified -- making one",
  "me" : "localhost.localdomain:27021",
  "info" : "Config now saved locally. Should come online in about a minute.",
  "ok" : 1
}
ReplicaSetNew2:PRIMARY>
```

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8. Add Members to the Replicaset

```
ReplicaSetNew2:PRIMARY> rs.add("localhost.localdomain:27022")
```

```
{ "ok" : 1 }
```

```
ReplicaSetNew2:PRIMARY> rs.add("localhost.localdomain:27023")
```

```
{ "ok" : 1 }
```

9. Check Status of the Replicaset

```
ReplicaSetNew2:PRIMARY> rs.status()
```

```
{
  "set" : "ReplicaSetNew2",
  "date" : ISODate("2014-07-09T23:08:09Z"),
  "myState" : 1,
  "members" : [
    {
      "_id" : 0,
      "name" : "localhost.localdomain:27021",
      "health" : 1,
      "state" : 1,
      "stateStr" : "PRIMARY",
      "uptime" : 737,
      "optime" : Timestamp(1404947282, 1),
      "optimeDate" : ISODate("2014-07-09T23:08:02Z"),
      "electionTime" : Timestamp(1404947261, 1),
      "electionDate" : ISODate("2014-07-09T23:07:41Z"),
      "self" : true
    },
    {
      "_id" : 1,
      "name" : "localhost.localdomain:27022",
      "health" : 1,
      "state" : 5,
      "stateStr" : "STARTUP2",
```

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```
        "uptime" : 12,
        "optime" : Timestamp(0, 0),
        "optimeDate" : ISODate("1970-01-01T00:00:00Z"),
        "lastHeartbeat" : ISODate("2014-07-09T23:08:07Z"),
        "lastHeartbeatRecv" : ISODate("2014-07-09T23:08:08Z"),
        "pingMs" : 0,
        "lastHeartbeatMessage" : "initial sync need a member to be primary or secondary to do
our initial sync"
    },
    {
        "_id" : 2,
        "name" : "localhost.localdomain:27023",
        "health" : 1,
        "state" : 5,
        "stateStr" : "STARTUP2",
        "uptime" : 7,
        "optime" : Timestamp(0, 0),
        "optimeDate" : ISODate("1970-01-01T00:00:00Z"),
        "lastHeartbeat" : ISODate("2014-07-09T23:08:08Z"),
        "lastHeartbeatRecv" : ISODate("2014-07-09T23:08:07Z"),
        "pingMs" : 0,
        "lastHeartbeatMessage" : "initial sync need a member to be primary or secondary to do
our initial sync"
    }
],
    "ok" : 1
}
```

10. exit

```
ReplicaSetNew2:PRIMARY> exit
```

```
bye
```

Configure Replicaset and start mongos process

Configure Replicaset3 with mongod Process on Port 27031 as Primary and Add mongod Processes on 27032 and 27033 as Secondary

11. Start mongo process on Port 27031

```
[root@localhost tom]# mongo --port 27031
```

```
MongoDB shell version: 2.6.3
connecting to: 127.0.0.1:27031/test
>
```

12. Initiate Replicaset

```
> rs.initiate()
```

```
{
  "info2" : "no configuration explicitly specified -- making one",
  "me" : "localhost.localdomain:27031",
  "info" : "Config now saved locally. Should come online in about a minute.",
  "ok" : 1
}
```

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13. Add Members to the Replicaset

```
ReplicaSetNew3:PRIMARY> rs.add("localhost.localdomain:27032")
```

```
{ "ok" : 1 }
```

```
ReplicaSetNew3:PRIMARY> rs.add("localhost.localdomain:27033")
```

```
{ "ok" : 1 }
```

14. Check Status of the Replicaset

```
ReplicaSetNew3:PRIMARY> rs.status()
```

```
{
  "set" : "ReplicaSetNew3",
  "date" : ISODate("2014-07-09T23:08:55Z"),
  "myState" : 1,
  "members" : [
    {
      "_id" : 0,
      "name" : "localhost.localdomain:27031",
      "health" : 1,
      "state" : 1,
      "stateStr" : "PRIMARY",
      "uptime" : 731,
      "optime" : Timestamp(1404947316, 1),
      "optimeDate" : ISODate("2014-07-09T23:08:36Z"),
      "electionTime" : Timestamp(1404947305, 2),
      "electionDate" : ISODate("2014-07-09T23:08:25Z"),
      "self" : true
    },
    {
      "_id" : 1,
      "name" : "localhost.localdomain:27032",
      "health" : 1,
      "state" : 2,
      "stateStr" : "SECONDARY",
```


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```
        "uptime" : 23,
        "optime" : Timestamp(1404947316, 1),
        "optimeDate" : ISODate("2014-07-09T23:08:36Z"),
        "lastHeartbeat" : ISODate("2014-07-09T23:08:54Z"),
        "lastHeartbeatRecv" : ISODate("2014-07-09T23:08:55Z"),
        "pingMs" : 0,
        "syncingTo" : "localhost.localdomain:27031"
    },
    {
        "_id" : 2,
        "name" : "localhost.localdomain:27033",
        "health" : 1,
        "state" : 2,
        "stateStr" : "SECONDARY",
        "uptime" : 19,
        "optime" : Timestamp(1404947316, 1),
        "optimeDate" : ISODate("2014-07-09T23:08:36Z"),
        "lastHeartbeat" : ISODate("2014-07-09T23:08:54Z"),
        "lastHeartbeatRecv" : ISODate("2014-07-09T23:08:55Z"),
        "pingMs" : 0,
        "syncingTo" : "localhost.localdomain:27031"
    }
],
"ok" : 1
}
```

15. Exit

```
ReplicaSetNew3:PRIMARY> exit
```

```
bye
```

Configure Replicaset and start mongos process

Start mongos Process

```
[root@localhost tom]# mongos --configdb localhost.localdomain:27018 --logpath  
/var/lib/mongos.log --fork --logappend --chunkSize 10
```

```
2014-07-10T01:11:31.886+0200 warning: running with 1 config server should be done only for  
testing purposes and is not recommended for production  
about to fork child process, waiting until server is ready for connections.  
forked process: 3415  
child process started successfully, parent exiting
```

```
[root@localhost tom]# mongos --configdb localhost.localdomain:27019 --logpath  
/var/lib/mongos.log --fork --logappend --chunkSize 10
```

```
2014-07-10T01:11:46.458+0200 warning: running with 1 config server should be done only for  
testing purposes and is not recommended for production  
about to fork child process, waiting until server is ready for connections.  
forked process: 3450  
child process started successfully, parent exiting
```

```
[root@localhost tom]# mongos --configdb localhost.localdomain:27020 --logpath  
/var/lib/mongos.log --fork --logappend --chunkSize 10
```

```
2014-07-10T01:11:57.112+0200 warning: running with 1 config server should be done only for  
testing purposes and is not recommended for production  
about to fork child process, waiting until server is ready for connections.  
forked process: 3485  
child process started successfully, parent exiting
```