

MongoDB MANUAL Clustering Scripts

1. The Hardware Specifications of PC

Table:1

Sl.No	Specifications	RAM	OS
1	AMD FX(tm)-8320 Eight -Core processor, 350 GHz	16GB	Windows 7 64 bit
2	intel(R) Core(TM) i5-5200U CPU @ 2.20GHz, 2201 Mhz, 2 Core(s), 4 Logical Processor(s)	4GB	
3	Intel(R) Core(TM) i5- CPU M 480 @ 2.67GHz, 2.67 Ghz Processor(s),	4GB	

Table-1: Configurations of the nodes of Manual Networks

2. Start the MongoDB of Each Node

```
C:\> CD C:\PROGRAM FILES\MONGODB\SERVER\3.0\BIN
C:\PROGRAM FILES\MONGODB\SERVER\3.0\BIN>mongod
```

3. Create Network Cluster

```
//CLUSTER_Node-1
```

```
mongod.exe --shardsvr --port 27017 --logpath "c:\data\log\log11.log" --logappend --dbpath "c:\data\s1\d1" --replSet myshed1
mongod.exe --shardsvr --port 27117 --logpath "c:\data\log\log12.log" --logappend --dbpath "c:\data\s1\d2" --replSet myshed1
mongod.exe --shardsvr --port 27217 --logpath "c:\data\log\log13.log" --logappend --dbpath "c:\data\s3\d3" --replSet myshed1
```

```
//CLUSTER_Node-2
```

```
mongod.exe --shardsvr --port 27018 --logpath "c:\data\log\log21.log" --logappend --dbpath "c:\data\s2\d1" --replSet myshed2
mongod.exe --shardsvr --port 27118 --logpath "c:\data\log\log22.log" --logappend --dbpath "c:\data\s2\d2" --replSet myshed2
mongod.exe --shardsvr --port 27218 --logpath "c:\data\log\log23.log" --logappend --dbpath "c:\data\s2\d3" --replSet myshed2
```

```
//CLUSTER_Node-3
```

```
mongod.exe --shardsvr --port 27019 --logpath "c:\data\log\log31.log" --logappend --dbpath "c:\data\s3\d1" --
replSet myshed3
mongod.exe --shardsvr --port 27119 --logpath "c:\data\log\log32.log" --logappend --dbpath "c:\data\s3\d2" --
replSet myshed3
mongod.exe --shardsvr --port 27219 --logpath "c:\data\log\log33.log" --logappend --dbpath "c:\data\s3\d3" --
replSet myshed3
```

```
mongo.exe --host 192.168.0.11 --port 27017
mongo.exe --host 192.168.0.11 --port 27117
mongo.exe --host 192.168.0.11 --port 27217
```

```
*****
```

```
conf1={_id: "myshed1",members: [{ _id : 0, host : "localhost:27017" },{ _id : 1, host : "localhost:27117" },{
_id : 2, host : "localhost:27217" }]
}
```

```
rs.initiate(conf1);
```

```
conf2={_id: "myshed2",
members: [
{ _id : 0, host : "localhost:27018" },
{ _id : 1, host : "localhost:27118" },
{ _id : 2, host : "localhost:27218" }
]
}
```

```
rs.initiate(conf2);
```

```
conf3={_id: "myshed3",
members: [
{ _id : 0, host : "localhost:27019" },
{ _id : 1, host : "localhost:27119" },
{ _id : 2, host : "localhost:27219" }
]
}
```