Deploy MongoDB on New Test Environment

1. *Note: remember to change the target minion*. On salt master: salt thdevdb01 state.sls dba_setup_dev_mongo
2. On thdevdb01: ln -s /opt/mongodb/bin/* /usr/local/bin/
3. service mongod_configsvr start
4. mongo --port 30001
5. In mongo shell, run code blocks below individually

```
//setup replication
rs.initiate(
  {
    _id: "config",
    configsvr: true,
    members: [
      { _id : 0, host : "localhost:30001" }
    ]
  }
)
```

```
//add root user
db.getSiblingDB('admin').createUser({
    user:'username',
    pwd:'password',
    roles:[
        {role:'root', db:'admin'}
    ]
})
```

(Asking DBA for username and password, and quit mongo shell after running above code)

6. service mongod_shardsvr start
7. mongo --port 31001
8. In mongo shell, run code blocks below individually

```
//setup replication
rs.initiate(
  {
    _id: "primary1",
    members: [
      { _id : 0, host : "localhost:31001" }
    ]
  }
)
```

```
//add root user
db.getSiblingDB('admin').createUser({
    user:'username',
    pwd:'password',
    roles:[
        {role:'root', db:'admin'}
    ]
})
```

9. service mongos start
10. mongo localhost:30011/admin -u <username> -p
11. Setup mongos server

```
sh.addShard( "primary1/localhost:31001")
```

12. In mongos shell, verify by running: 'show users', 'show dbs', 'sh.status()'
13. Done!