



## Course Overview



## View Discussion

### Chapter 1: The Mongod

## Lab - Launching Mongod

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#### Problem:

In this lab, you're going to launch your own mongod with a few basic command line arguments.

Applying what you've learned so far about the **mongod** process, launch a mongod instance, from the command line, with the following requirements:

- run on port **27000**
- data files are stored in **/data/db/**
- listens to connections from the IP address **192.168.103.100** and localhost
- authentication is enabled

By default, a mongod that enforces authentication but has no configured users only allows connections through the **localhost**. Use the mongo shell on the Vagrant box to use the localhost exception and connect to this node.

Use the following command to connect to the Mongo shell and create the following user. **You will need this user in order to validate subsequent labs.**

```
mongo admin --host localhost:27000 --eval '
  db.createUser({
    user: "m103-admin",
    pwd: "m103-pass",
    roles: [
      {role: "root", db: "admin"}
    ]
  })
'
```

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The above command creates a user with the following credentials:

- Role: **root** on **admin** database
- Username: **m103-admin**
- Password: **m103-pass**

When you're finished, run the following validation script in your vagrant and outside the mongo shell and enter the validation key you receive below. If you receive an error, it should give you some idea of what went wrong.

```
vagrant@m103:~$ validate_lab_launch_mongod
```

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*Hint:* You want to make sure all applicable command line options are set! Also, in case you need to restart the **mongod** daemon, you may need to **kill** the process using it's **pid**.

You can use the following command to find the pid of the process:

```
ps -ef | grep mongod
```

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To kill the process, you can use this command:

```
kill <pid>
```

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Attempts Remaining: **Correct Answer**   

Enter answer here:

```
5a21c6dd403b6546001e79c0
```

Correct!

[See detailed answer](#)

[Proceed to next section](#)

**Assignment is Due**

**06d:02hr:03m**

Dec 03, 17:00 UTC