Chapter 0: Introduction & Setup

Lab: Setting Up the Vagrant Environment

Problem:

In order to effectively learn from this class, you should be completing problems in a real MongoDB cluster. To do this, we will use a development environment called Vagrant that makes it easy to provision a virtual machine with Virtualbox.

We first need to download Vagrant and Virtualbox. Vagrant requires that we use the latest version of Virtualbox (in the link), so click the link and download the correct option for your operating system.

Now, download the handout above and create a folder in your home directory called `m103`. Copy the handout to this directory and then navigate to the handout directory `m103-vagrant-env` in your terminal. Bring up your Vagrant environment by running these commands (this will take a few minutes):

```
vagrant up --provision
```
COPY

This command brings up your virtual machine, if it's not already running. It also builds directories in the VM and downloads all the software and validation scripts necessary to complete this course.

```
vagrant ssh
```
COPY

This command connects to your Vagrant instance using SSH. If it prompts you for a username/password, use the username **vagrant** and the password **vagrant**.

To validate that your box is running properly, execute the following command from the Vagrant command line:

```
vagrant@m103:~$ validate_box
```
COPY

Please enter the validation key you receive here:

Attempts Remaining: **Correct Answer**

Enter answer here:

```
6445a3f8b6f1cc5873cf1ac94194903444602708d4eb189d42b6e65ca594d80d
```

Correct!

Proceed to next section