Full Stack Notes

Ruby and Rails Installation / VirtualBox and Vagrant

VirtualBox and Vagrant

📣 **Note:** If everything is working with Ruby on WSL you are now done!

⚠️ **Warning:** Do not follow any more of these instructions unless the WSL didn't work for you.

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VirtualBox & Vagrant

If you couldn't get Ruby running the WSL you will need to install VirtualBox and Vagrant instead.

Download and install:

* VirtualBox
* Vagrant

VirtualBox should be installed before Vagrant.

Please use all default options during both installations.

Vagrant Init

We'll work through these instructions together in class.

Start by launching a Windows Terminal. From the terminal:

```
cd \

mkdir vagrant-rails

cd vagrant-rails

vagrant init bivee/rails
```

This will generate a `Vangrantfile` in your `vagrant-rails` folder. Open this file and change this line:

```
# config.vm.network "forwarded_port", guest: 80, host: 8080
```

to this:

```
config.vm.network "forwarded_port", guest: 3000, host: 3000
```

Note that we are both removing a # from the start of the line and modifying guest and host numbers.

Vagrant Up

The next step is to have Vagrant download and install the virtual Ubuntu Linux machine we'll be using for our Ruby on Rails work.

From your terminal:

```
cd \vagrant-rails

vagrant up --provider virtualbox
```

Downloading the VM image may take some time. After this command has finished executing run:

```
vagrant ssh
```

This should connect you to the Linux VM command prompt.

Vagrant Up / Suspend / Halt

To put your Vagrant powered VM to sleep you first need to logout of your Linux command prompt:

```
exit
```

And then from the terminal:

```
vagrant suspend
```

If you wish to fully shutdown your VM:

```
vagrant halt
```

The next time you wish to use the VM:

```
vagrant up
vagrant ssh
```

All of these commands put be run from within your `vagrant-rails` folder.

Installing Rails on your VM

Although Ruby is already installed on your Vagrant VM, Rails is not.

Before you can install Rails you need to be at your VM's command prompt. Using the terminal from your `c:\vagrant-rails` folder:

- Run `vagrant up`, if you haven't already.
- Run `vagrant ssh` to connect to the VM.

You can then install rails with this command:

```
gem install rails
```

Updating Node on your VM

From the vagrant command line:

```
sudo apt-get remove nodejs

curl -sL https://deb.nodesource.com/setup_6.x | sudo -E bash -

curl -sS https://dl.yarnpkg.com/debian/pubkey.gpg | sudo apt-key add -

sudo apt-get update

sudo apt-get install nodejs
```

After that, run:

```
nodejs -v
```

You should see a reported version of 6.14.4.