[Optional] Vagrant

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- Weight: 1
- Project over - took place from Feb 28, 2022 6:00 AM to Mar 5, 2022 6:00 AM
- An auto review will be launched at the deadline

In a nutshell…

- **Auto QA review:** 1.0/1 mandatory & 10.0/10 optional
- **Altogether: 200.0%**
  - Mandatory: 100.0%
  - Optional: 100.0%
  - Calculation: 100.0% + (100.0% * 100.0%) == **200.0%**

Concepts

For this project, we expect you to look at this concept:

- Using Vagrant on your personal computer

Vagrant - or - how to code in your local computer

Sandboxes are great, but you can also do your ALX assessments on your local computer - having a virtual machine (VM) is the perfect tool for that.

Let's dig into **Vagrant** today!

Also:

- This project is **100% optional**
- This project **can't be done in Sandboxes** - it can be done only in your local computer.

Resources

Read or watch:

- Virtual machine
- man uname

Learning Objectives

At the end of this project, you are expected to be able to <u>explain to anyone</u>, **without the help of Google**:

General

- What is a virtual machine
- What is Vagrant
- Who wrote Vagrant
- What is Ubuntu
- What does "Ubuntu" mean
- How to use VMs with Vagrant
- What does the command `uname` do

Copyright - Plagiarism

- You are tasked to come up with solutions for the tasks below yourself to meet with the above learning objectives.
- You will not be able to meet the objectives of this or any following project by copying and pasting someone else's work.
- You are not allowed to publish any content of this project.
- Any form of plagiarism is strictly forbidden and will result in removal from the program.

Requirements

General

- A `README.md` file at the root of the repo, containing a description of the repository
- A `README.md` file, at the root of the folder of *this* project (i.e. `0x00-vagrant`), describing what this project is about

More Info

Install `git`

If `git` is not already installed on your terminal:

```
$ sudo apt-get update
$ sudo apt-get upgrade
```

```
$ sudo apt-get install git
```

Basic usage

At the end of this project you should be able to reproduce and understand these command lines:

```
$ git clone <repo>
$ touch test
$ git add test
$ git commit -m "Initial commit"
$ git push origin main
```

Warning

This project **can't be done in Sandboxes** - it can be done only in your local computer. Please refer to our concept pages for your operating system.

Tasks

0. Create and setup your Git and GitHub account
#advanced

Score: 100.0% (*Checks completed: 100.0%*)

You will need Git for this project, you might have to install it on your computer if it's not done yet.

- Configure your basic info (name, email) on your local machine – they will be part of your commits. Tips

On GitHub.com:

- Using the graphic interface on the website, create the repository (if it's not done yet)
  - Description: `This is my first repository as a full-stack engineer`
  - Public repo: `zero_day`
  - No `README`, `.gitignore`, or license

On your computer, open a terminal and do the following:

- Navigate to your home directory. Tips
- Create a directory `zero_day`. Tips
- Navigate to this new directory. Tips
- Initialize git and add the remote origin

- Create a file `README.md` with Emacs (or other command line editors) and write a small Markdown text to present this project. **This file is mandatory in projects**
- Add this new file to git, commit the change with this message "My first commit" and push to the remote server / origin (Note: You will probably need to set your login/password to push to the remote server)

Good job!

You pushed your first file in your **first repository** of the **first task** of your **first School project**.

Repo:

- GitHub repository: `zero_day`
- File: `README.md`

Done! Help Check your code QA Review
1. Hello Ubuntu
#advanced

Score: 100.0% (*Checks completed: 100.0%*)

Inside the `zero_day` repo, create a new directory called `0x00-vagrant`. Add a `README.md` file to this directory.

`ssh` into your Ubuntu VM. What does the command `uname` print when you run it without any option?

Type your answer into a file in the `0x00-vagrant` directory and push it to GitHub. Name your file accordingly as shown below.

Repo:

- GitHub repository: `zero_day`
- Directory: `0x00-vagrant`
- File: `0-hello_ubuntu`