0x00. Vagrant

**Zero day**

<https://en.wikipedia.org/wiki/Zero-day_(computing)>

Virtual machine

<https://en.wikipedia.org/wiki/Virtual_machine>

Using Vagrant on your personal computer

<https://intranet.hbtn.io/concepts/81>

How to run Ubuntu using vagrant

<https://intranet.hbtn.io/concepts/53>

man uname

<https://linux.die.net/man/1/uname>

Source code management

<https://intranet.hbtn.io/concepts/22>

Git and GitHub cheat sheet

<https://intranet.hbtn.io/concepts/57>

Resources to learn Git

<https://try.github.io/>

About READMEs

<https://help.github.com/en/github/creating-cloning-and-archiving-repositories/about-readmes>

How to write a Git commit message

<https://chris.beams.io/posts/git-commit/#seven-rules>

## **Learning Objectives**

At the end of this project, you are expected to be able to [explain to anyone](https://intranet.hbtn.io/rltoken/_qzmHNff9vaaeDBMkkIDHg" \o "explain to anyone" \t "_blank), **without the help of Google**:

### **General**

* What is a zero-day
* 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
* What is source code management
* What is Git
* What is GitHub
* What is the difference between Git and GitHub
* How to create a repository
* What is a README
* How to write good READMEs
* How to commit
* How to write helpful commit messages
* How to push code

## **Requirements**

### **General**

* A README.md file at the root of the holbertonschool-zero\_day 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 master

What is a virtual machine?

An emulation of a computer system

Ubuntu is a \_\_\_\_ distribution.

Linux

What is the difference between Git and GitHub?

Git is a version control tool; GitHub is an online service built around the Git tool

Which of the following is a helpful commit message?

“Fix incorrect parsing of user input”

You wrote your first script but it does not execute properly. In order to solve this problem, what’s the first thing you should do?

Read the documentation

#### 0. Create and setup your Git and Github account **mandatory**

Score: 100.00% (*Checks completed: 100.00%*)

Git is installed on the iMacs provided by Holberton, but if you’re using another computer, you might have to [install it](https://intranet.hbtn.io/rltoken/TJrA7MIEl9LxnkGNH_ddmw" \o "install it" \t "_blank) yourself.

* Configure your basic info (name, email) on your local machine – they will be part of your commits. [Tips](https://intranet.hbtn.io/rltoken/72jmwYpf2OeuoOn9XM3vQg" \o "Tips" \t "_blank)

On [Github.com](https://intranet.hbtn.io/rltoken/m27bKy8K40cIkyHWQ36i2w):

* Using the graphic interface on the website, create your first repository
  + Name: holbertonschool-zero\_day
  + Description: I'm now a Holberton Student, this is my first repository as a full-stack engineer
  + Public repo
  + No README, .gitignore, or license

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

* Navigate to your home directory. [Tips](https://intranet.hbtn.io/rltoken/-odz94uVNOsPV1ovYZLuyw" \o "Tips" \t "_blank)
* Create a directory holbertonschool-zero\_day. [Tips](https://intranet.hbtn.io/rltoken/AHYBfU0itf9qEiwLdiaVJw" \o "Tips" \t "_blank)
* Navigate to this new directory. [Tips](https://intranet.hbtn.io/rltoken/9g9c-qBPHWSGcpxbs69ASw" \o "Tips" \t "_blank)
* Initialize git and add the remote origin
* Create a file README.md with Emacs (or other command line editors) and write a small [Markdown](https://intranet.hbtn.io/rltoken/Ru3ANLuzGs4g0v2qsN3efA" \o "Markdown" \t "_blank) text to present this project. **This file is mandatory in all Holberton School 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 Holberton School project**.

**Repo:**

* GitHub repository: holbertonschool-zero\_day
* File: README.md

Crear archivo README.md

#### 1. Hello Ubuntu **mandatory**

Score: 100.00% (*Checks completed: 100.00%*)

Inside the holbertonschool-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: holbertonschool-zero\_day
* Directory: 0x00-vagrant
* File: 0-hello\_ubuntu