

To create a Debian 12 VM using Vagrant was required in the Practical work 1.

The Vagrantfile created is located in the folder practico-01 and it uses this box <https://app.vagrantup.com/debian/boxes/bookworm64/versions/12.20231009.1>.

Why use Vagrant?

We use Vagrant for creating and managing development environments in a consistent and reproducible manner. It automates the setup and configuration of development environments.

List of used commands

vagrant init box_name: Initializes a new Vagrant configuration file in the current directory. You can optionally specify a "box_name" to use as a base.

vagrant up: Creates and starts a virtual machine according to the configuration defined in the Vagrantfile.

vagrant halt: Stops the virtual machine.

vagrant reload: Stops and restarts the virtual machine, applying any changes in the Vagrantfile.

vagrant destroy: Deletes the virtual machine.

vagrant status: Displays the current status of the virtual machine.

vagrant ssh: Initiates an SSH session to the virtual machine.

vagrant provision: Executes provisioning defined in the Vagrantfile on a running virtual machine.

Execution

```
pbalza@pbalza-ThinkPad-T440p:~/Desktop/Hedy-Software-DevOps-Course-2024/TP01-DevOps-PJB/practico-01$ vagrant up
Bringing machine 'default' up with 'virtualbox' provider...
==> default: Importing base box 'debian/bookworm64'...
==> default: Matching MAC address for NAT networking...
==> default: Checking if box 'debian/bookworm64' version '12.20240212.1' is up to date...
==> default: Setting the name of the VM: vm-Atenas
==> default: Clearing any previously set network interfaces...
==> default: Preparing network interfaces based on configuration...
        default: Adapter 1: nat
==> default: Forwarding ports...
        default: 22 (guest) => 2222 (host) (adapter 1)
==> default: Running 'pre-boot' VM customizations...
==> default: Booting VM...
==> default: Waiting for machine to boot. This may take a few minutes...
        default: SSH address: 127.0.0.1:2222
```

```
==> default: Machine 'default' has a post `vagrant up` message. This is a message
==> default: from the creator of the Vagrantfile, and not from Vagrant itself:
==> default:
==> default: Vanilla Debian box. See https://app.vagrantup.com/debian for help and bug reports
pbalza@pbalza-ThinkPad-T440p:~/Desktop/Hedy-Software-DevOps-Course-2024/TP01-DevOps-PJB/practico-01$ vagrant ssh
Linux bookworm 6.1.0-18-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.76-1 (2024-02-01) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
vagrant@bookworm:~$
```

References

<https://developer.hashicorp.com/vagrant/docs>