Administración de plataformas I

Introducción a Vagrant

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1. Networking

1.1. Port-forwarding

```ruby
# -- mode: ruby --
# vi: set ft=ruby

Vagrant.configure("2") do |config|
    config.vm.define "machine" do |machine|
        machine.vm.box = "ubuntu/jammy64"
        machine.vm.network "forwarded_port", guest: 80, host
   :8080
        machine.vm.provision "shell", inline: <<-SHELL
            apt-get update
            apt-get install -y nginx
        SHELL
    end
end
```

1.2. Private Network (DHCP)

```ruby
# -- mode: ruby --
# vi: set ft=ruby

Vagrant.configure("2") do |config|
    config.vm.define "machine_private" do |machine_private|
        machine_private.vm.box = "ubuntu/jammy64"
        machine_private.vm.network "private_network", type: "
   dhcp"
        machine_private.vm.provision "shell", inline: <<-SHELL
            apt-get update
            apt-get install -y nginx
        SHELL
    end
end
```

1.3. Private Network (Static IP)

```
# -- mode: ruby --
# vi: set ft=ruby

Vagrant.configure("2") do |config|
    config.vm.define "machine_private" do |machine_private|
        machine_private.vm.box = "ubuntu/jammy64"
        machine_private.vm.network "private_network", ip:
   "192.168.56.100
        machine_private.vm.provision "shell", inline: <<-SHELL
            apt-get update
            apt-get install -y nginx
        SHELL
    end
end
```

1.4. public Network (DHCP)

```
# -- mode: ruby --
# vi: set ft=ruby

Vagrant.configure("2") do |config|
    config.vm.define "machine_private" do |machine_private|
        machine_private.vm.box = "ubuntu/jammy64"
        machine_private.vm.network "public_network"
        machine_private.vm.provision "shell", inline: <<-SHELL
            apt-get update
            apt-get install -y nginx
        SHELL
    end
end
```

2. public Network (IP static)

```
# -- mode: ruby --
# vi: set ft=ruby

Vagrant.configure("2") do |config|
    config.vm.define "machine_private" do |machine_private|
        machine_private.vm.box = "ubuntu/jammy64"
        machine_private.vm.network "public_network", ip:
  "192.168.88.65"
        machine_private.vm.provision "shell", inline: <<-SHELL
            apt-get update
            apt-get install -y nginx
        SHELL
    end
end
```

3. public Network - Bridge

```
# -- mode: ruby --
# vi: set ft=ruby

Vagrant.configure("2") do |config|
    config.vm.define "machine_private" do |machine_private|
        machine_private.vm.box = "ubuntu/jammy64"
        machine_private.vm.network "public_network", bridge:
  "<INTERFACE_NAME>"
        machine_private.vm.provision "shell", inline: <<-SHELL
            apt-get update
            apt-get install -y nginx
        SHELL
    end
end
```