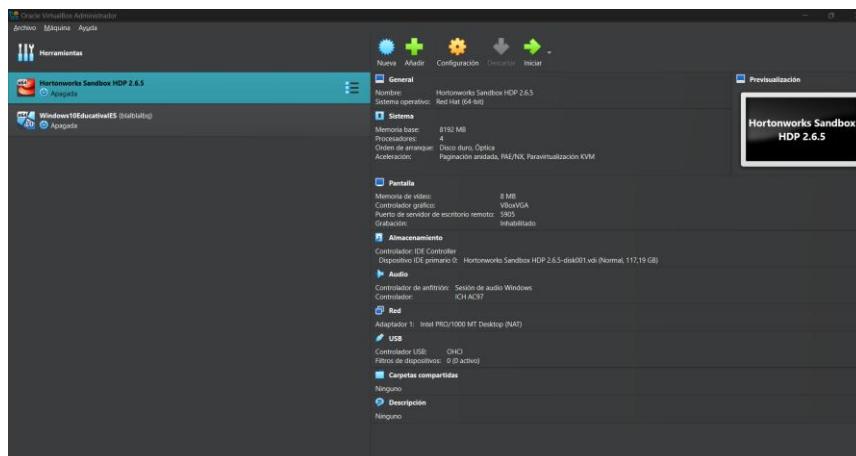


Instalación Hadoop

1) Instalación de la máquina virtual

1) Instalamos la maquina



2) La arrancamos

```
=====
First boot detected :)
Please wait while the Hortonworks Sandbox is extracted and deployed.
This process will only occur once.
Grab a drink - this may take a few minutes.
=====

While you wait, read up on interesting data articles here:
https://community.hortonworks.com/kb/list.html

Extracting and loading the Hortonworks Sandbox...
-
```

3) Llegamos a la pantalla

```
Hortonworks HDP Sandbox
https://hortonworks.com/products/sandbox

To quickly get started with the Hortonworks Sandbox, follow this tutorial:
https://hortonworks.com/tutorial/hadoop-tutorial-getting-started-with-hdp/

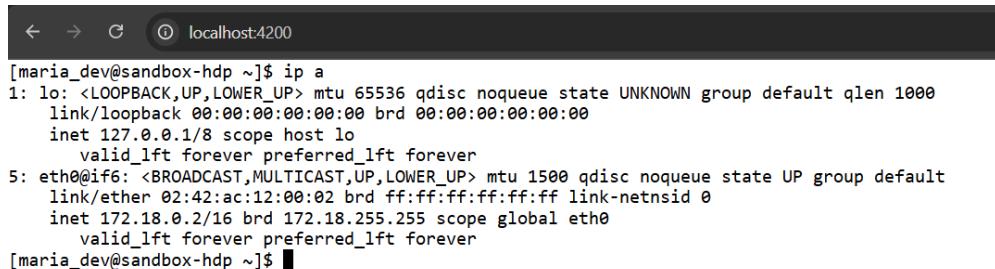

To initiate your Hortonworks Sandbox session, open a browser to this address:

For VirtualBox:
  Welcome screen: http://localhost:1080
  SSH: http://localhost:4200

For VMWare:
  Welcome screen: http://10.0.2.15:1080
  SSH: http://10.0.2.15:4200
```

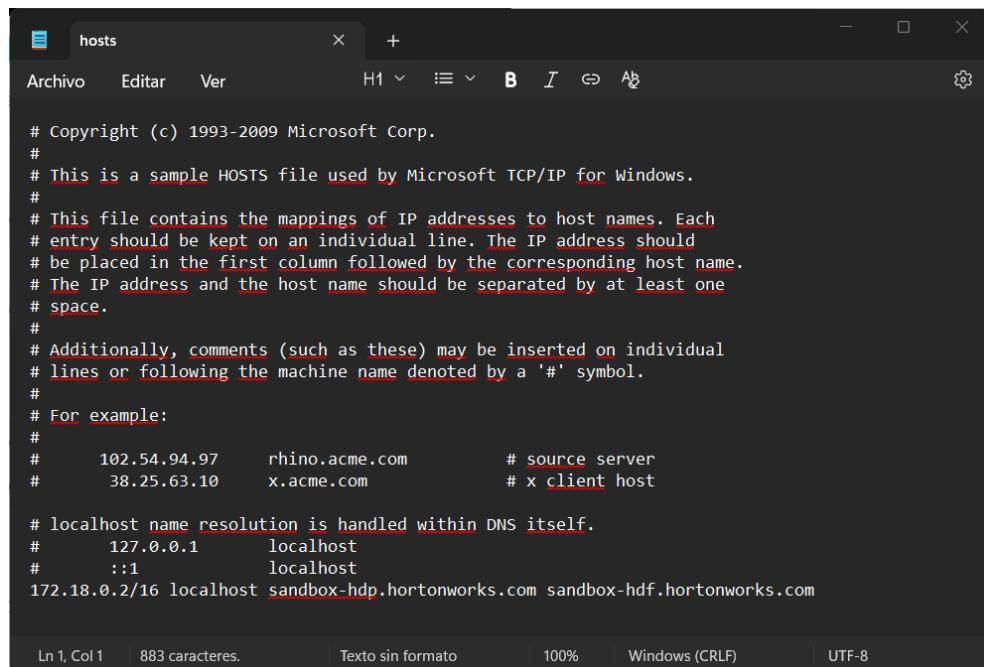
2) Ponemos todo en marcha

1) Accedemos al terminal



```
[maria_dev@sandbox-hdp ~]$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
5: eth0@if6: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default
    link/ether 02:42:ac:12:00:02 brd ff:ff:ff:ff:ff:ff link-netnsid 0
    inet 172.18.0.2/16 brd 172.18.255.255 scope global eth0
        valid_lft forever preferred_lft forever
[maria_dev@sandbox-hdp ~]$
```

2) Añadimos los hosts



3) Configuramos la contraseña del admin

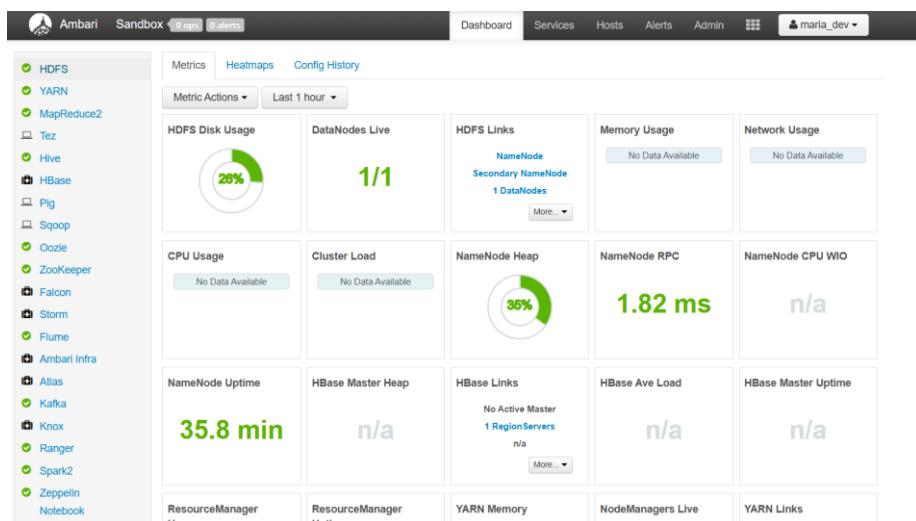
```
[maria_dev@sandbox-hdp ~]$ ambari-admin-password-reset
-bash: /usr/sbin/ambari-admin-password-reset: Permission denied
[maria_dev@sandbox-hdp ~]$ sudo ambari-admin-password-reset
Please set the password for admin:
Please retype the password for admin:

The admin password has been set.
Restarting ambari-server to make the password change effective...

Using python /usr/bin/python
Restarting ambari-server
]
```

INSTALACIÓN HADOOP

4) Accedemos a la consola



5) Navegamos por ella

The screenshot shows the Ambari Config History page with the following data:

Service	Config Group	Created	Author	Notes
V2 Spark2	Default Current	Mon, Jun 18, 2018 17:30	internal	
V2 Kafka	Default Current	Mon, Jun 18, 2018 17:30	internal	
V2 Hive	Default Current	Mon, Jun 18, 2018 17:30	internal	
V2 Ranger	Default Current	Mon, Jun 18, 2018 17:30	internal	
V2 ZooKeeper	Default Current	Mon, Jun 18, 2018 17:30	internal	
V2 HDFS	Default Current	Mon, Jun 18, 2018 17:30	internal	
V2 Druid	Default Current	Mon, Jun 18, 2018 17:30	internal	
V1 Spark2	Default	Mon, Jun 18, 2018 17:30	admin	
V1 Falcon	Default Current	Mon, Jun 18, 2018 17:30	admin	
V1 Kafka	Default	Mon, Jun 18, 2018 17:30	admin	

The screenshot shows the Ambari Kafka Broker page with the following data:

Summary		Configs	Service Actions ▾
Summary		No alerts	
Kafka_Broker Started No alerts			
Metrics		Last 1 hour ▾	
Broker Topics No Data Available		Active Controller Count No Data Available	Controller Status No Data Available
		Replica MaxLag No Data Available	Replica Manager No Data Available

- 6) Creamos un archivo de ejemplo

```
[maria_dev@sandbox-hdp ~]$ touch ejemplo
[maria_dev@sandbox-hdp ~]$ ll
total 0
-rw-rw-r-- 1 maria_dev maria_dev 0 Nov  3 19:21 ejemplo
[maria_dev@sandbox-hdp ~]$ █
```