

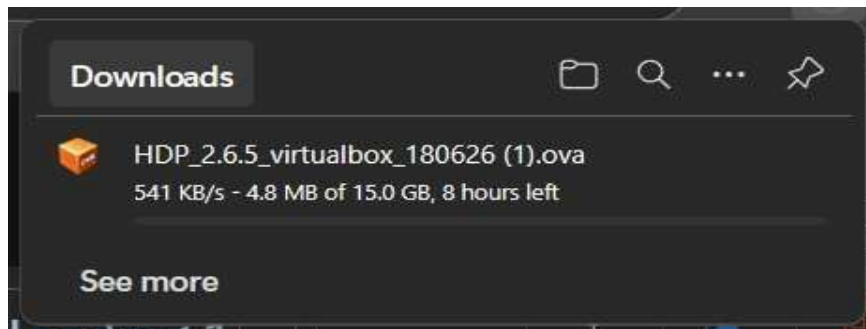
PRACTICAL - 02

AIM : To install and configure Hadoop using HDP Sandbox in VirtualBox, and perform simple Hive queries on a dataset.

Description:

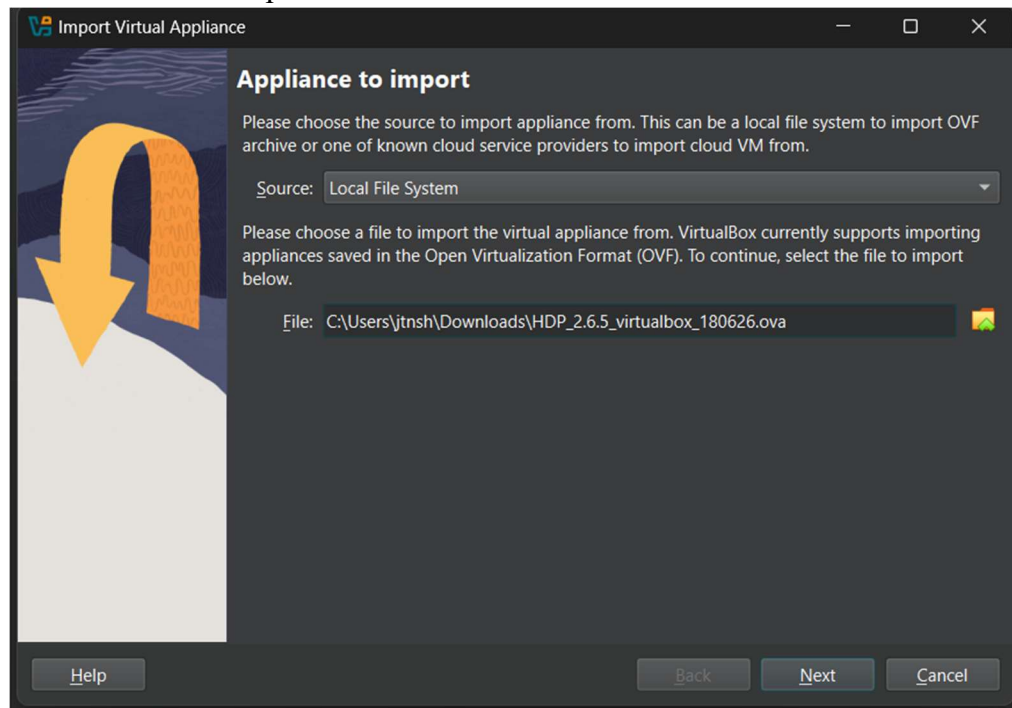
In this practical, Hadoop was installed and configured using the Hortonworks Data Platform (HDP) Sandbox within VirtualBox. The HDP Sandbox provides a pre-configured Hadoop ecosystem, including HDFS, YARN, Hive, HBase, Pig, and other Big Data tools, which can be easily deployed in a virtual environment.

Step 1 : Download HDP Sandbox



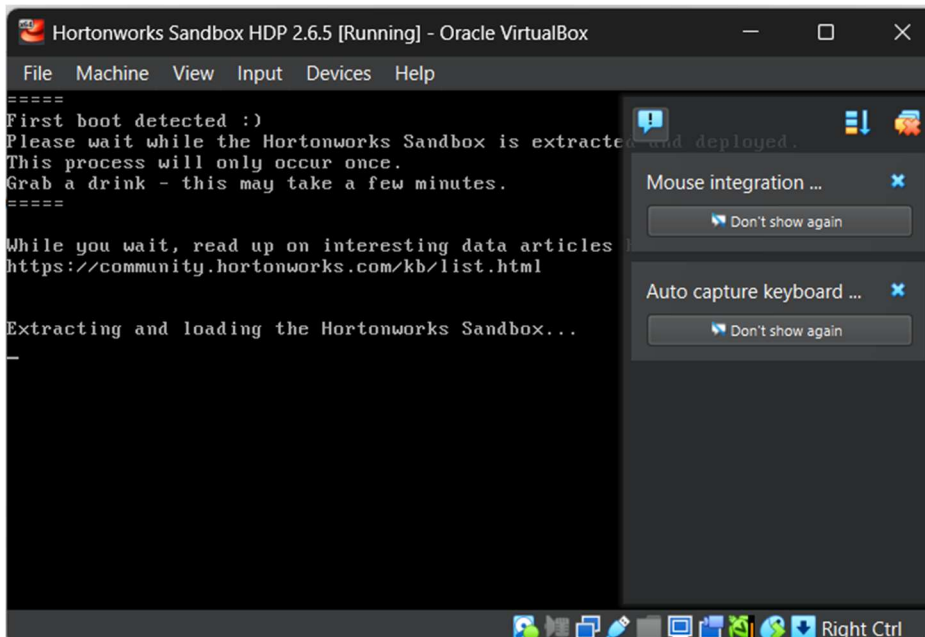
Step 2 : Import Sandbox into VirtualBox

- Open VirtualBox → Click File → Import Appliance.
- Select the downloaded OVA file.
- Click Import to load the sandbox.



Step 3 : Start the Sandbox VM Once the import is complete, select the HDP Sandbox VM in VirtualBox and click Start.

Wait until the VM boots completely and displays the Ambari access URL.

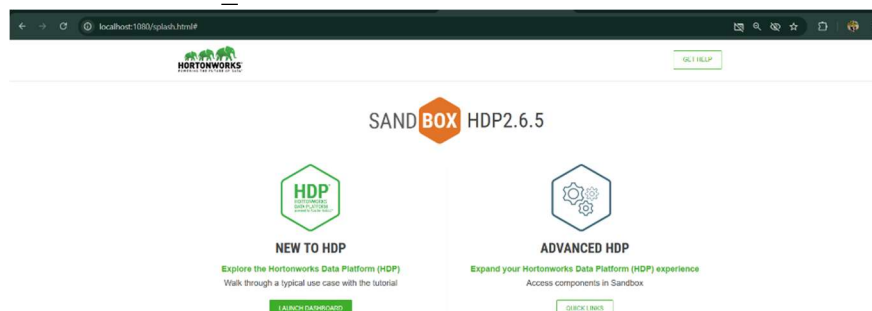


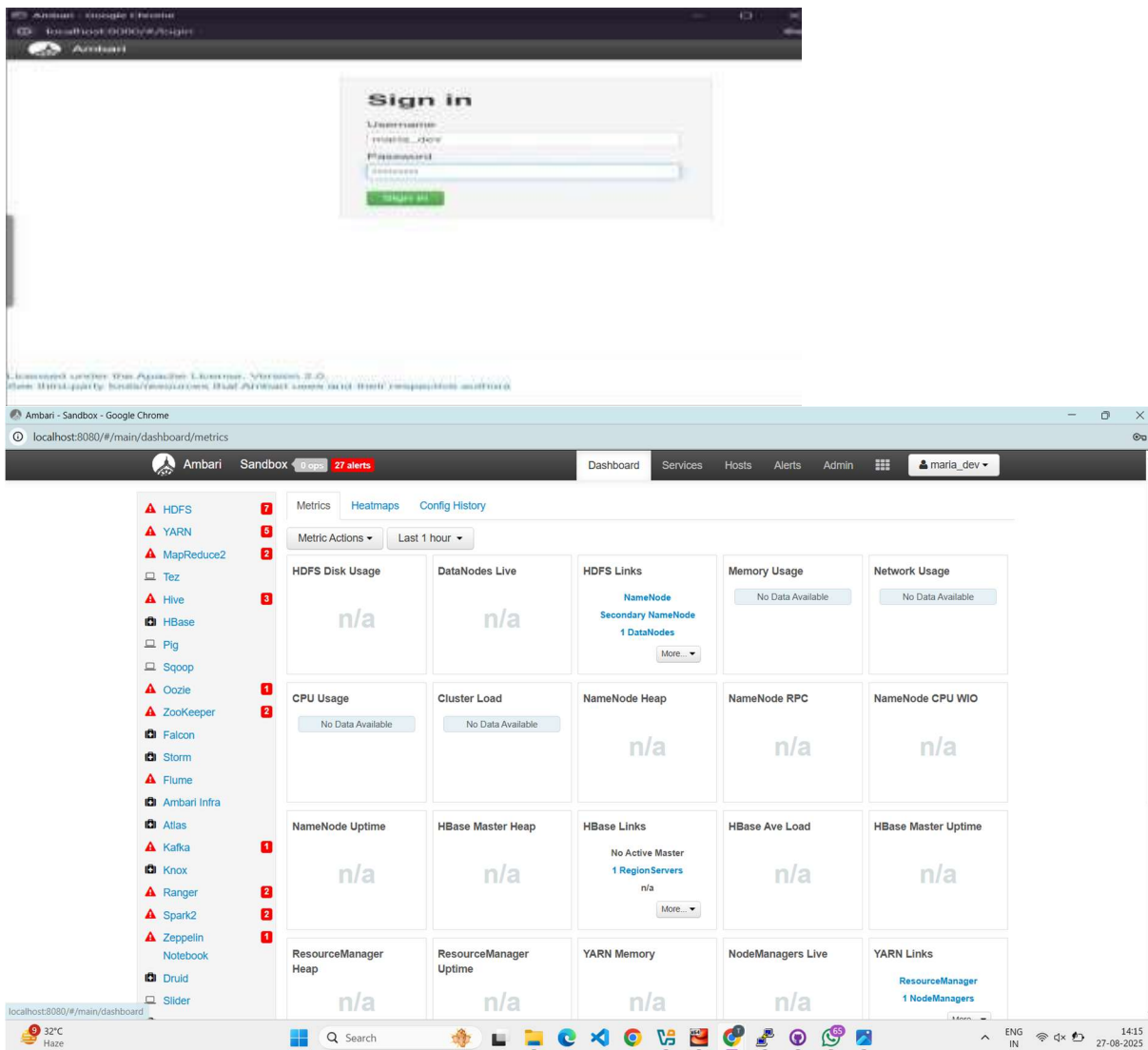
Step 4 : Launch Ambari Dashboard and Login

Open the URL shown on the VirtualBox screen in your browser. This will launch the Ambari dashboard.

Login using the default credentials:

- Username: maria_dev
- Password: maria_de





Conclusion:

Hadoop with Hive was successfully set up in HDP Sandbox, and basic Hive queries were executed, showing data storage and retrieval in a Big Data environment

