Installation of Hadoop

**prerequisite**

1.Having updated os

Syntax: sudo apt update

2.Having java in localhost

Syntax:

Download: sudo apt install openjdk-8-jdk-y

Check: java -version,javac -version

3.Creating a server to connect between os and Hadoop

Syntax: sudo apt install openssh-server openssh-client -y

4.Create a user in Hadoop

Syntax: sudo adduser hdoop(any name except the os user to avoid confusion)

5. Change the user to Hadoop user name . After using Hadoop Hadoop on localhost just change the user back to default user

Syntax: su – hdoop

6.A key will be generated for connection between hadoop and localhost

Syntax: ssh-keygen -t rsa -P '' -f ~/.ssh/id\_rsa

7. You have to create the .ssh directory and the authorized\_keys file the first time.

1. Create the .ssh directory:
2. mkdir ~/.ssh
3. Set the right permissions:
4. chmod 700 ~/.ssh
5. Create the authorized\_keys file:
6. touch ~/.ssh/authorized\_keys
7. Set the right permissions:
8. chmod 600 ~/.ssh/authorized\_keys

The permissions are important! It won't work without the right permissions!

Now you can add the **public key** to the authorized\_keys file:

cat ~/.ssh/id\_rsa.pub >> ~/.ssh/authorized\_keys

8.ssh localhost

**Downloading Hadoop**

wget https://downloads.apache.org/hadoop/common/hadoop-3.2.4/hadoop-3.2.4.tar.gz