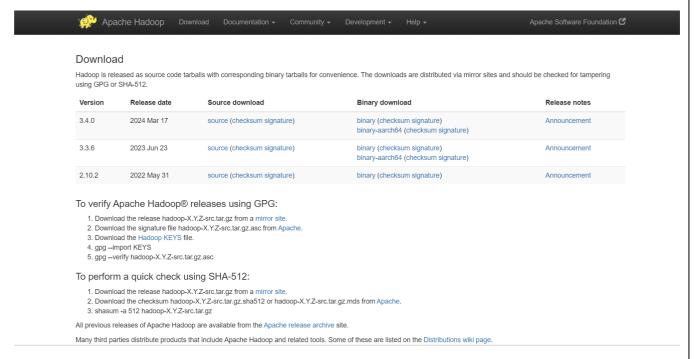
1. INSTALLATION OF HADOOP

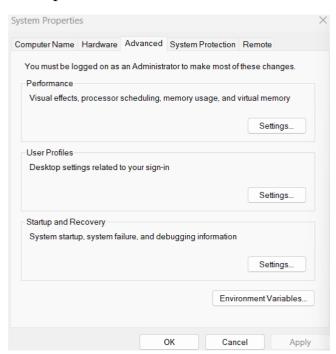
a) Install Apache Hadoop

Download the latest version of Apache Hadoop from official website.



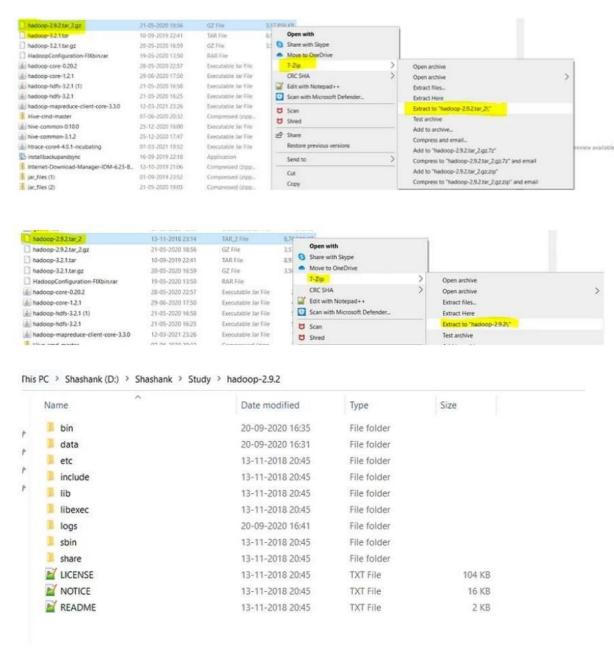
b) Setting Up Environment Variables:

Go to edit environment variables, and select environment variables to set up the environment variables



Setting JAVA_HOME

- Open environment Variable and click on "New" in "User Variable"
- Now, add JAVA_HOME in variable name and path of Java(jdk) in Variable Value.
- Click OK and we are half done with setting JAVA_HOME.

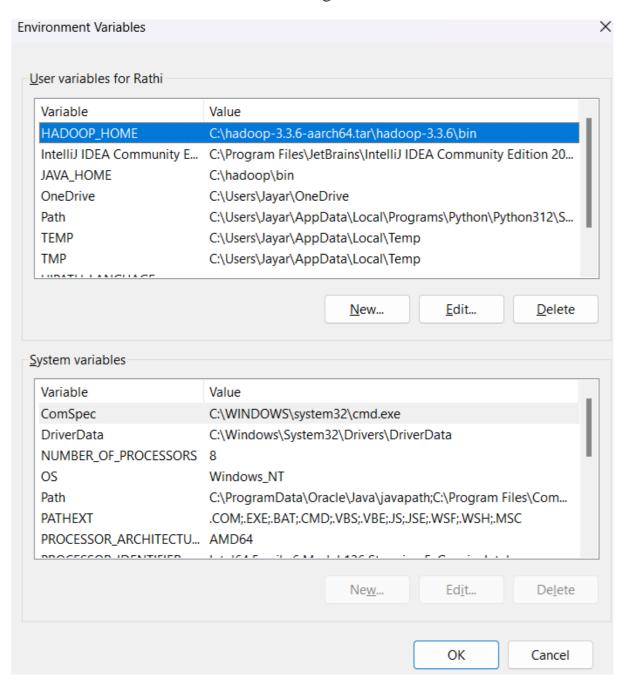


Setting HADOOP_HOME

• Open environment Variable and click on "New" in "User Variable"

 Now, add HADOOP_HOME in variable name and path of Hadoop folder in Variable Value.

• Click OK and we are half done with setting HADOOP_HOME.



Setting Path Variable

• Last step in setting Environment variable is setting Path in System Variable.

- Select Path variable in the system variables and click on "Edit".
- Now we need to add these paths to Path Variable one by one:-
 - * %JAVA_HOME%\bin
 - * %HADOOP_HOME%\bin
 - * %HADOOP_HOME%\sbin
- Click OK and OK. & we are done with Setting Environment Variables.

Verify the Paths

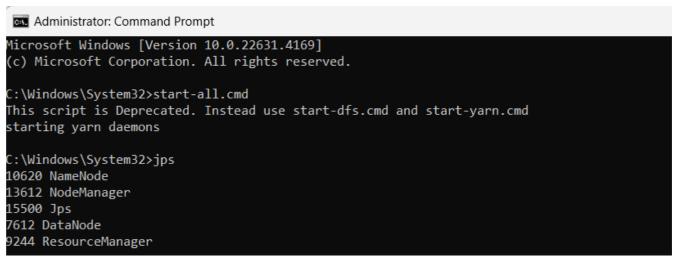
- Open a **NEW** Command Window
- Run following commands.

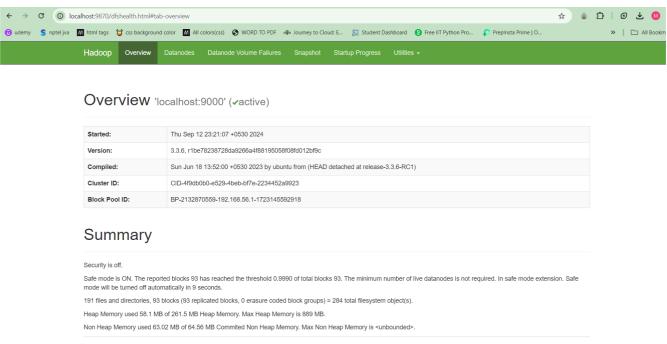
```
echo %JAVA_HOME%
echo %HADOOP_HOME%
echo %PATH%
```

Creating Folders

- Create **DATA folder** in the Hadoop directory
- These folders are important because files on HDFS resides inside the datanode.

OUTPUT:





Result:

Thus the Apache Hadoop is installed on windows Successfully.