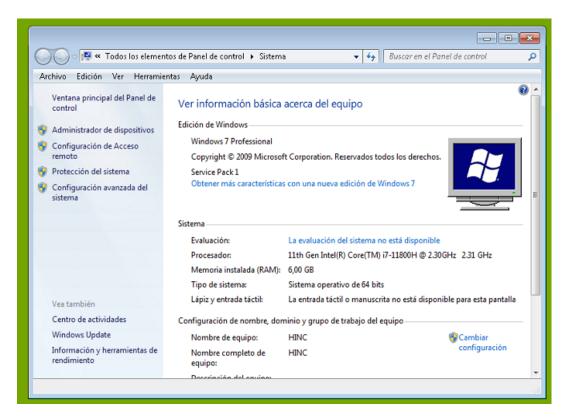


Sistema base: Entorno Virtualizado

Repositorio: <a href="https://github.com/cpalacios01/cluster-hadoop">https://github.com/cpalacios01/cluster-hadoop</a>

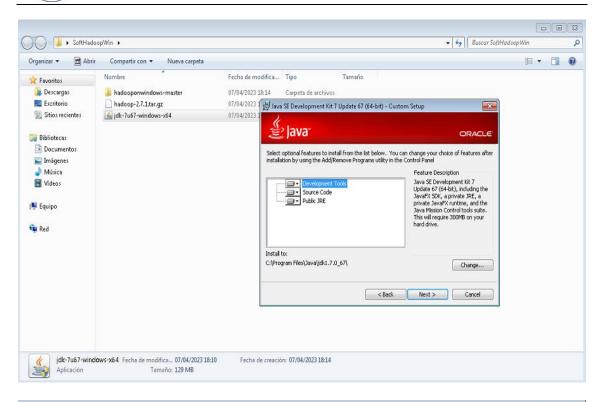


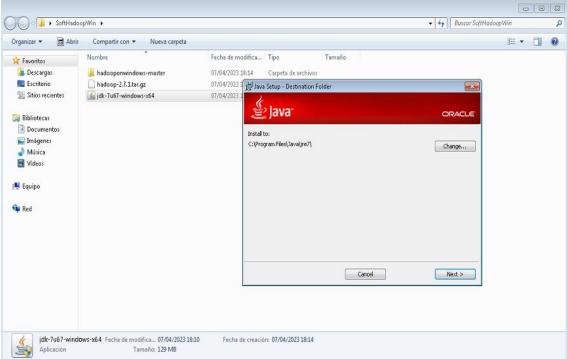
Nota: La versión 2.7 y posterior de Apache Hadoop requiere Java 7.

Descarga:

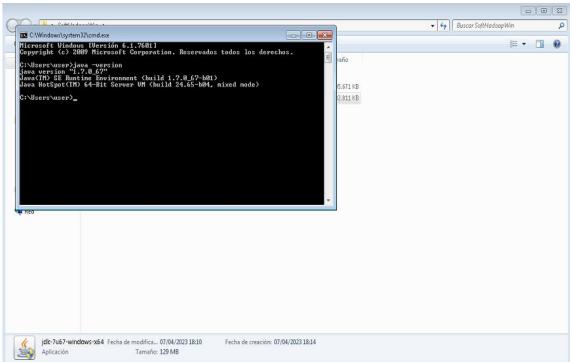
https://www.oracle.com/java/technologies/javase/javase7-archive-downloads.html

Versión: jdk-7u67-windows-x64.exe









C:\Program Files\Java

C:\Program Files\Java\jdk1.7.0\_67\bin

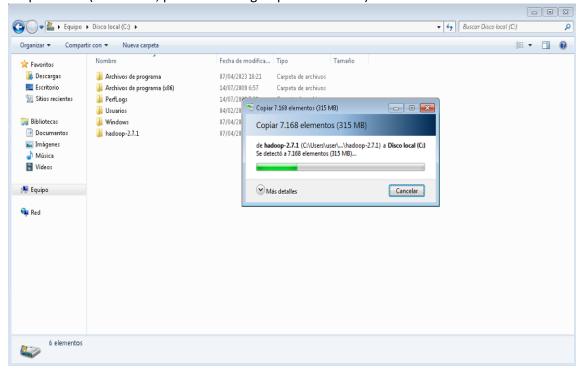
https://archive.apache.org/dist/hadoop/core/hadoop-2.7.1/

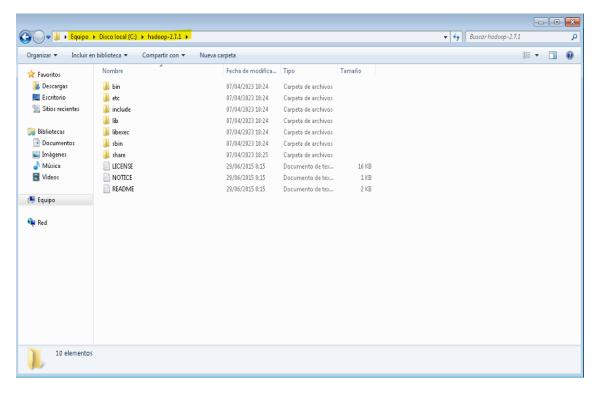


Core: https://archive.apache.org/dist/hadoop/core/

## 

- -Extraer hadoop-2.7.1.tar.gz
- -Copiar en C: (en mi caso, puede ser el lugar que consideren)

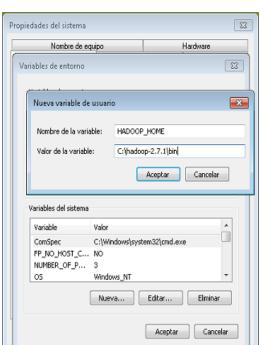


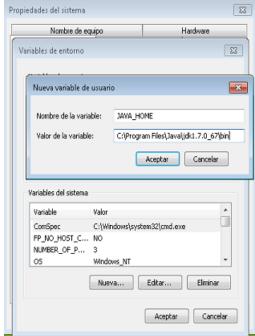




#### 

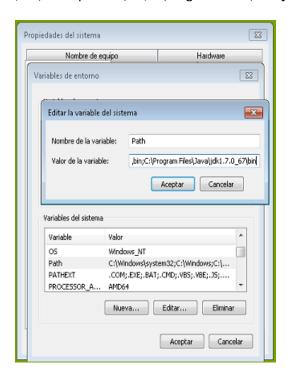
-Crear Variables de entorno de Usuario HADOOP\_HOME = C:\hadoop-2.7.1\bin JAVA\_HOME = C:\Program Files\Java\jdk1.7.0\_67\bin





# Agregar al Path:

; C:\hadoop-2.7.1\bin;C:\Program Files\Java\jdk1.7.0\_67\bin



# Algunas verificaciones:

```
C:\Wsers\user\java -version
java version "i.7.8_67"
Java(TN) SE Runtine Environment (build 1.7.8_67-b81)
Java(TN) 64-Bit Server UM (build 24.65-b94, nixed mode)

C:\Users\user\set JAVA_HOME
JAVA_HOME-C:\Program Files\Java\jdk1.7.8_67\bin

C:\Users\user\set HADOOP_HOME
HADOOP_HOME-C:\hadoop-2.7.1\bin

C:\Users\user\_
```

#### 

[3.1] C:\hadoop-2.7.1\etc\hadoop\core-site.xml

```
C:\hadoop-2.7.1\etc\hadoop\core-site.xml - Notepad++
                                                                                                                              - - X
Archivo Editar Buscar Vista Codificación Lenguaje Configuración Herramientas Macro Ejecutar Complementos Pestañas ?
 core-site.xml
           2xml version='1.0' encoding='UTF-8'?
          ?xml-stylesheet type='text/xsl' href='configuration.xsl'?>
           Licensed under the Apache License, Version 2.0 (the "License");
           you may not use this file except in compliance with the License.
           You may obtain a copy of the License at
             http://www.apache.org/licenses/LICENSE-2.0
           Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS,
 10
11
12
13
14
15
           WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
           See the License for the specific language governing permissions and
           limitations under the License. See accompanying LICENSE file.
 16
17
         <!-- Put site-specific property overrides in this file. -->
 19
20
21
         <configuration>
             cproperty>
                 <name>is.defaultFS</name>
 22
                 <value>hdfs://localhost:9000</value>
 23
24
             </property>
          (/configuration)
```



# [3.2] C:\hadoop-2.7.1\etc\hadoop\mapred-site.xml

<configuration>

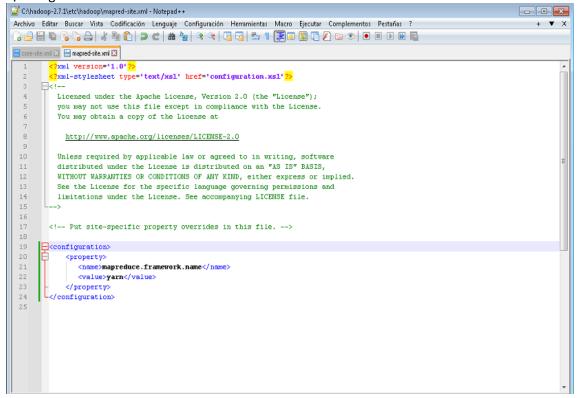
cproperty>

<name>mapreduce.framework.name</name>

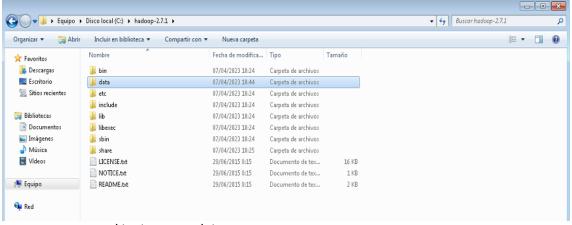
<value>yarn</value>

</property>

</configuration>



# [3.3] #Crear directorio **data** en la raíz hadoop



En mi caso, ruta: C:\hadoop-2.7.1\data



# [3.4]

```
C:\hadoop-2.7.1\etc\hadoop\httpfs-site.xml - Notepad++
                                                                                                                                      Archivo Editar Buscar Vista Codificación Lenguaje Configuración Herramientas Macro Ejecutar Complementos Pestañas ?
 3 🖶 🖶 🖺 😘 😘 🚵 | ¼ 🛍 🖒 | ⊃ c | # ½ | ♀ ♀ | ⊑ ⊑ | ≒ 1 📭 🗷 🖫 🗘 🖸 Ø | ⊙ 📧 🕩 🖼
 📒 core-site.xml 🗵 📙 mapred-site.xml 🗵 📙 httpfs-site.xml 🗵
           2xml version='1.0' encoding='UTF-8'
2>
            Licensed under the Apache License, Version 2.0 (the "License");
            you may not use this file except in compliance with the License.
            You may obtain a copy of the License at
            http://www.apache.org/licenses/LICENSE-2.0
            Unless required by applicable law or agreed to in writing, software
  10
            distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
            See the License for the specific language governing permissions and
            limitations under the License.
  14
15
        <configuration>
  16
17
18
          cproperty>
                  <name>dfs.replication</name>
                  <value>1
  19
20
21
22
              property>
                  <name>dfs.namenode.name.dir
                  <value> C:\hadoop-2.7.1\etc\hadoop\namenode</value>
  23
24
25
              cpropertv>
                  <name>dfs.datanode.data.dir</name>
  26
                  <value> C:\hadoop-2.7.1\etc\hadoop\datanode</value>
               </property>
           /configuration>
```

#### [3.5]

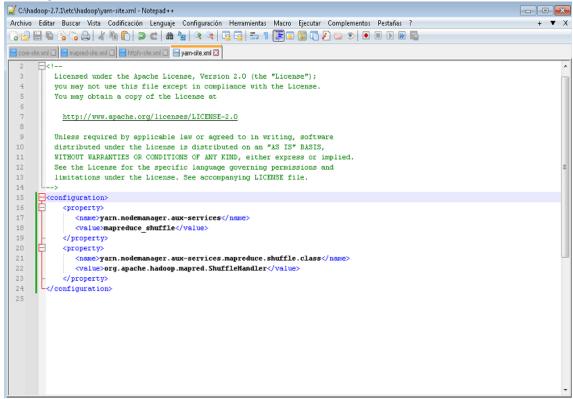
- C:\hadoop\yarn-site.xml

<name>yarn.nodemanager.aux-services.mapreduce.shuffle.class</name>

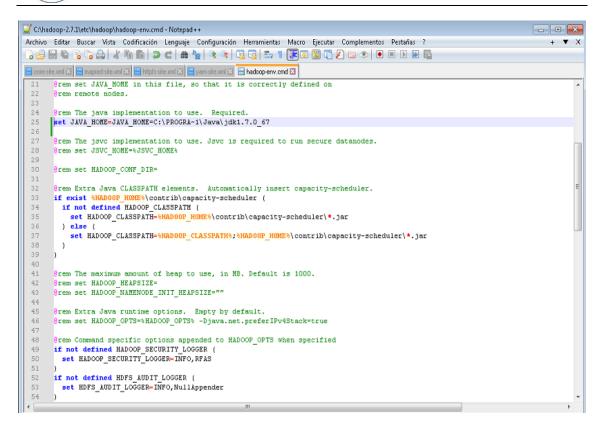


<value>org.apache.hadoop.mapred.ShuffleHandler</value>
/property>

</configuration>



- C:\hadoop-2.7.1\etc\hadoop\hadoop-env.cmd
   Línea 25 (mi caso)
   set JAVA\_HOME=JAVA\_HOME=C:\PROGRA~1\Java\jdk1.7.0\_67

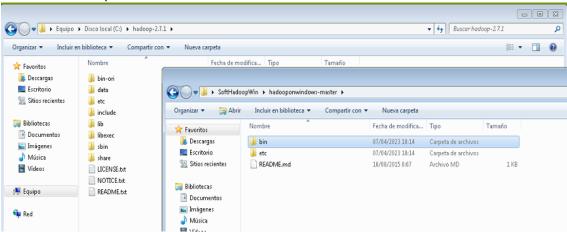


## 

## El: C:\hadoop-2.7.1\bin

Con el de: hadooponwindows-master\bin

Nota: ESTO SOLO SI ESTAN EN UN ENTORNO WINDOWS, es una adaptación hecha para cada versión de hadoop.



#### 

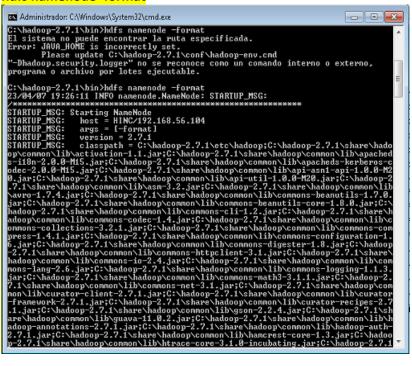
cmd como Administrador:

\*Verificar java java -version



#### \*Arrancar

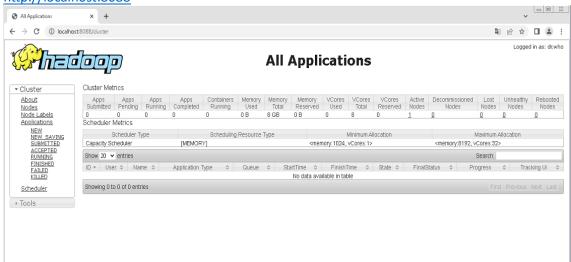
# cd C:\hadoop-2.7.1\bin hdfs namenode -format



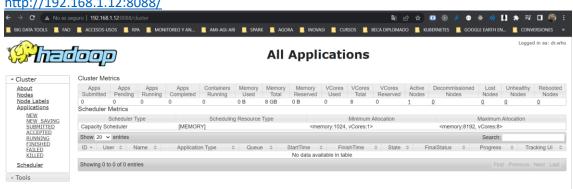
# cd C:\hadoop-2.7.1\sbin start-all.cmd

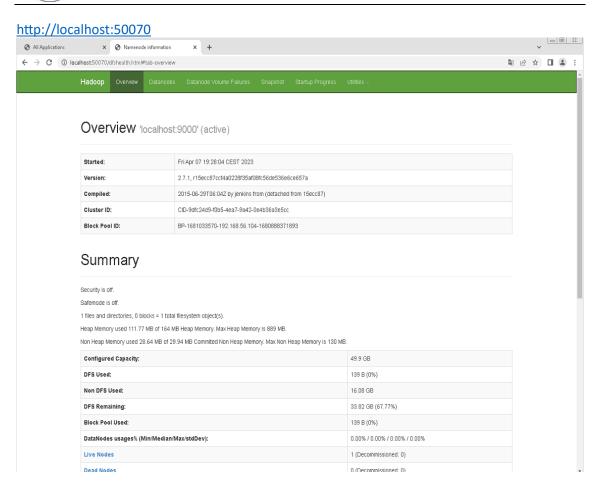






http://192.168.1.12:8088/





http://192.168.1.12:50070/

