

URL : <https://exitcondition.com/install-hadoop-windows/>

C:\Windows\System32>cd \

C:\>hadoop version

Hadoop 2.9.1

Subversion <https://github.com/apache/hadoop.git> -r

e30710aea4e6e55e69372929106cf119af06fd0e

Compiled by root on 2018-04-16T09:33Z

Compiled with protoc 2.5.0

From source with checksum 7d6d2b655115c6cc336d662cc2b919bd

This command was run using /C:/hadoop/share/hadoop/common/hadoop-common-2.9.1.jar

C:\>echo %HADOOP_HOME%

C:\hadoop

C:\>echo %HADOOP_BIN%

C:\hadoop\bin

C:\>echo %PATH%

C:\hadoop\sbin;C:\hadoop\bin;C:\Progra~1\Java\jdk1.8.0_202\bin;C:\Windows;C:\Windows\System32;C:\Windows\System32\wbem;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Users\akh\AppData\Local\Microsoft\WindowsApps

C:\>hadoop namenode -format

C:\>start-all

This script is Deprecated. Instead use start-dfs.cmd and start-yarn.cmd starting yarn daemons

JPS (Java Virtual Machine Process Status) tool.:

We use the 'jps' command to check if all the Hadoop daemons are properly running. This is a basic check to see if all the required Hadoop services are running or not before going forward with any Hadoop operations or any additional setups.

Daemons such as DataNode, NameNode, Node Manager and Resource Manager are all checked. And this command will report out all the daemons that are indeed running.

C:\>jps

18736 Jps

21700 ResourceManager

22836 NameNode

3012 NodeManager

2536 DataNode

C:\>hdfs dfs -ls /

C:\>hdfs dfs -mkdir /test

C:\>hdfs dfs -ls /

Found 1 items

drwxr-xr-x - akh supergroup 0 2022-12-01 22:04 /test

C:\>hdfs dfs -copyFromLocal Sample.txt /test

C:\>hdfs dfs -ls /test

Found 1 items


```
-rw-r--r-- 1 akh supergroup 14 2022-12-01 22:06 /test/Sample.txt
```

```
C:\>hdfs dfs -cat /test/Sample.txt
```

```
Hi I am Hadoop
```

```
C:\>hdfs dfs -copyFromLocal Sample.txt /test
```

```
copyFromLocal: '/test/Sample.txt': File exists
```

```
C:\>hdfs dfs -mv /test/Sample.txt /test/Sample_old.txt
```

```
C:\>hdfs dfs -copyFromLocal Sample.txt /test
```

```
C:\>hdfs dfs -cat /test/Sample.txt
```

```
Hi I am Hadoop
```

```
Hello World!
```

```
This is a Sample text test file feed to Test Hadoop
```

```
Good Bye! O.O !
```

```
C:\>
```

```
C:\>hdfs fsck /
```

```
Connecting to namenode via http://0.0.0.0:50070/fsck?ugi=akh&path=%2F
```

```
FSCK started by akh (auth:SIMPLE) from /192.168.56.1 for path / at Thu Dec 01 22:16:48 IST 2022
```

```
..Status: HEALTHY
```

```
The filesystem under path '/' is HEALTHY
```

```
C:\>hdfs dfs -ls /
```

```
Found 1 items
```

```
drwxr-xr-x - akh supergroup 0 2022-12-01 22:13 /test
```

```
C:\>hdfs dfs -mkdir -p /amit
```

```
C:\>hdfs dfs -touchz /amit/EmptyFile.txt
```

```
C:\>hdfs dfs -ls /
```

```
Found 2 items
```

```
drwxr-xr-x - akh supergroup 0 2022-12-01 22:20 /ravi
```

```
drwxr-xr-x - akh supergroup 0 2022-12-01 22:13 /test
```

```
C:\>hdfs dfs -ls /amit
```

```
Found 1 items
```

```
-rw-r--r-- 1 akh supergroup 0 2022-12-01 22:21 /amit/EmptyFile.txt
```

```
C:\>hdfs dfs -du -s /ravi/amit/EmptyFile.txt
```

```
amit/EmptyFile.txt
```

```
C:\>hdfs dfs -du -s /test/Sample.txt
```

```
100 /test/Sample.txt
```

```
C:\>hdfs dfs -copyToLocal /amit/EmptyFile.txt .
```

```
C:\>dir EmptyFile.txt
```

```
Volume in drive C has no label.
```

```
Volume Serial Number is D4C5-CF46
```

```
Directory of C:\
```

```
01-12-2022 22:31 0 EmptyFile.txt
                  1 File(s) 0 bytes
                  0 Dir(s) 32,676,499,456 bytes free
```



```
C:\>hdfs dfs -ls /test
```

```
Found 2 items
```

```
-rw-r--r-- 1 akh supergroup 100 2022-12-01 22:13 /test/sample.txt  
-rw-r--r-- 1 akh supergroup 14 2022-12-01 22:06 /test/sample_old.txt
```

```
C:\>hdfs dfs -copyToLocal /test/sample_old.txt .
```

```
C:\>dir sample_old.txt
```

```
Volume in drive C has no label.
```

```
Volume Serial Number is D4C5-CF46
```

```
Directory of C:\
```

```
01-12-2022 22:34          14 sample_old.txt  
                1 File(s)          14 bytes  
                0 Dir(s) 32,679,768,064 bytes free
```

```
C:\>hdfs
```

```
Usage: hdfs [--config confdir] [--loglevel loglevel] COMMAND  
       where COMMAND is one of:
```

```
C:\>hdfs dfs -copyToLocal /test/sample_old.txt hdfs://0.0.0.0:19000/c:/
```

```
C:\>hdfs dfs -copyToLocal /test/sample_old.txt hdfs://0.0.0.0:19000/d:/
```

```
C:\>dir d:\sample*.*
```

```
Volume in drive D is New Volume
```

```
Volume Serial Number is A67E-CF1E
```

```
Directory of d:\
```

```
01-12-2022 22:43          14 sample_old.txt  
                1 File(s)          14 bytes  
                0 Dir(s) 137,663,279,104 bytes free
```

```
C:\>hdfs dfs -count /
```

```
4          3          114 /
```

```
C:\>stop-all
```

```
This script is Deprecated. Instead use stop-dfs.cmd and stop-yarn.cmd
```

```
SUCCESS: Sent termination signal to the process with PID 23032.
```

```
SUCCESS: Sent termination signal to the process with PID 12500.
```

```
stopping yarn daemons
```

```
SUCCESS: Sent termination signal to the process with PID 13876.
```

```
SUCCESS: Sent termination signal to the process with PID 22636.
```

```
INFO: No tasks running with the specified criteria.
```