

Microsoft Windows [Version 10.0.22631.5039]  
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```
C:\Windows\System32>hadoop version
Hadoop 3.2.4
Source code repository Unknown -r
7e5d9983b388e372fe640f21f048f2f2ae6e9eba
Compiled by ubuntu on 2022-07-12T11:58Z
Compiled with protoc 2.5.0
From source with checksum ee031c16fe785bbb35252c749418712
This command was run using /C:/hadoop/share/hadoop/common/hadoop-common-
3.2.4.jar
```

```
C:\Windows\System32>cd C:/hadoop
```

```
C:\hadoop>hdfs namenode -format
2025-04-18 18:03:34,323 INFO namenode.NameNode: STARTUP_MSG:
/*****
STARTUP_MSG: Starting NameNode
STARTUP_MSG:   host = LAPTOP-UTIOH602/192.168.62.188
STARTUP_MSG:   args = [-format]
STARTUP_MSG:   version = 3.2.4
STARTUP_MSG:   classpath =
C:\hadoop\etc\hadoop;C:\hadoop\share\hadoop\common;C:\hadoop\share\hadoop
\common\lib\accessors-smart-
2.4.7.jar;C:\hadoop\share\hadoop\common\lib\animal-sniffer-annotations-
1.17.jar;C:\hadoop\share\hadoop\common\lib\asm-
5.0.4.jar;C:\hadoop\share\hadoop\common\lib\audience-annotations-
0.5.0.jar;C:\hadoop\share\hadoop\common\lib\avro-
1.7.7.jar;C:\hadoop\share\hadoop\common\lib\checker-qual-
2.5.2.jar;C:\hadoop\share\hadoop\common\lib\commons-beanutils-
1.9.4.jar;C:\hadoop\share\hadoop\common\lib\commons-cli-
1.2.jar;C:\hadoop\share\hadoop\common\lib\commons-codec-
1.11.jar;C:\hadoop\share\hadoop\common\lib\commons-collections-
3.2.2.jar;C:\hadoop\share\hadoop\common\lib\commons-compress-
1.21.jar;C:\hadoop\share\hadoop\common\lib\commons-configuration2-
2.1.1.jar;C:\hadoop\share\hadoop\common\lib\commons-io-
2.8.0.jar;C:\hadoop\share\hadoop\common\lib\commons-lang3-
3.7.jar;C:\hadoop\share\hadoop\common\lib\commons-logging-
1.1.3.jar;C:\hadoop\share\hadoop\common\lib\commons-math3-
3.1.1.jar;C:\hadoop\share\hadoop\common\lib\commons-net-
3.6.jar;C:\hadoop\share\hadoop\common\lib\commons-text-
1.4.jar;C:\hadoop\share\hadoop\common\lib\curator-client-
2.13.0.jar;C:\hadoop\share\hadoop\common\lib\curator-framework-
2.13.0.jar;C:\hadoop\share\hadoop\common\lib\curator-recipes-
2.13.0.jar;C:\hadoop\share\hadoop\common\lib\dnsjava-
2.1.7.jar;C:\hadoop\share\hadoop\common\lib\error_prone_annotations-
2.2.0.jar;C:\hadoop\share\hadoop\common\lib\failureaccess-
1.0.jar;C:\hadoop\share\hadoop\common\lib\gson-
2.9.0.jar;C:\hadoop\share\hadoop\common\lib\guava-27.0-
jre.jar;C:\hadoop\share\hadoop\common\lib\hadoop-annotations-
3.2.4.jar;C:\hadoop\share\hadoop\common\lib\hadoop-auth-
3.2.4.jar;C:\hadoop\share\hadoop\common\lib\htrace-core4-4.1.0-
incubating.jar;C:\hadoop\share\hadoop\common\lib\httpclient-
4.5.13.jar;C:\hadoop\share\hadoop\common\lib\httpcore-
4.4.13.jar;C:\hadoop\share\hadoop\common\lib\j2objc-annotations-
1.1.jar;C:\hadoop\share\hadoop\common\lib\jackson-annotations-
2.10.5.jar;C:\hadoop\share\hadoop\common\lib\jackson-core
```

2.10.5.jar;C:\hadoop\share\hadoop\common\lib\jackson-core-asl-  
1.9.13.jar;C:\hadoop\share\hadoop\common\lib\jackson-databind-  
2.10.5.1.jar;C:\hadoop\share\hadoop\common\lib\jackson-jaxrs-  
1.9.13.jar;C:\hadoop\share\hadoop\common\lib\jackson-mapper-asl-  
1.9.13.jar;C:\hadoop\share\hadoop\common\lib\jackson-xc-  
1.9.13.jar;C:\hadoop\share\hadoop\common\lib\javax.activation-api-  
1.2.0.jar;C:\hadoop\share\hadoop\common\lib\javax.servlet-api-  
3.1.0.jar;C:\hadoop\share\hadoop\common\lib\jaxb-api-  
2.2.11.jar;C:\hadoop\share\hadoop\common\lib\jaxb-impl-2.2.3-  
1.jar;C:\hadoop\share\hadoop\common\lib\jcip-annotations-1.0-  
1.jar;C:\hadoop\share\hadoop\common\lib\jersey-core-  
1.19.jar;C:\hadoop\share\hadoop\common\lib\jersey-json-  
1.19.jar;C:\hadoop\share\hadoop\common\lib\jersey-server-  
1.19.jar;C:\hadoop\share\hadoop\common\lib\jersey-servlet-  
1.19.jar;C:\hadoop\share\hadoop\common\lib\jettison-  
1.1.jar;C:\hadoop\share\hadoop\common\lib\jetty-http-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\common\lib\jetty-io-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\common\lib\jetty-security-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\common\lib\jetty-server-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\common\lib\jetty-servlet-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\common\lib\jetty-util-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\common\lib\jetty-util-ajax-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\common\lib\jetty-webapp-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\common\lib\jetty-xml-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\common\lib\jsch-  
0.1.55.jar;C:\hadoop\share\hadoop\common\lib\json-smart-  
2.4.7.jar;C:\hadoop\share\hadoop\common\lib\jsp-api-  
2.1.jar;C:\hadoop\share\hadoop\common\lib\jsr305-  
3.0.2.jar;C:\hadoop\share\hadoop\common\lib\jsr311-api-  
1.1.1.jar;C:\hadoop\share\hadoop\common\lib\jul-to-slf4j-  
1.7.35.jar;C:\hadoop\share\hadoop\common\lib\kerb-admin-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerb-client-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerb-common-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerb-core-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerb-crypto-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerb-identity-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerb-server-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerb-simplekdc-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerb-util-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerby-asn1-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerby-config-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerby-pkix-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerby-util-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\kerby-xdr-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\listenablefuture-9999.0-  
empty-to-avoid-conflict-with-  
guava.jar;C:\hadoop\share\hadoop\common\lib\metrics-core-  
3.2.4.jar;C:\hadoop\share\hadoop\common\lib\netty-  
3.10.6.Final.jar;C:\hadoop\share\hadoop\common\lib\nimbus-jose-jwt-  
9.8.1.jar;C:\hadoop\share\hadoop\common\lib\paranamer-  
2.3.jar;C:\hadoop\share\hadoop\common\lib\protobuf-java-  
2.5.0.jar;C:\hadoop\share\hadoop\common\lib\re2j-  
1.1.jar;C:\hadoop\share\hadoop\common\lib\reload4j-  
1.2.18.3.jar;C:\hadoop\share\hadoop\common\lib\slf4j-api-  
1.7.35.jar;C:\hadoop\share\hadoop\common\lib\slf4j-reload4j-  
1.7.35.jar;C:\hadoop\share\hadoop\common\lib\snappy-java-  
1.0.5.jar;C:\hadoop\share\hadoop\common\lib\spotbugs-annotations-  
3.1.9.jar;C:\hadoop\share\hadoop\common\lib\stax2-api-

4.2.1.jar;C:\hadoop\share\hadoop\common\lib\token-provider-  
1.0.1.jar;C:\hadoop\share\hadoop\common\lib\woodstox-core-  
5.3.0.jar;C:\hadoop\share\hadoop\common\lib\zookeeper-  
3.4.14.jar;C:\hadoop\share\hadoop\common\hadoop-common-3.2.4-  
tests.jar;C:\hadoop\share\hadoop\common\hadoop-common-  
3.2.4.jar;C:\hadoop\share\hadoop\common\hadoop-kms-  
3.2.4.jar;C:\hadoop\share\hadoop\common\hadoop-nfs-  
3.2.4.jar;C:\hadoop\share\hadoop\hdfs;C:\hadoop\share\hadoop\hdfs\lib\acc  
essors-smart-2.4.7.jar;C:\hadoop\share\hadoop\hdfs\lib\animal-sniffer-  
annotations-1.17.jar;C:\hadoop\share\hadoop\hdfs\lib\asm-  
5.0.4.jar;C:\hadoop\share\hadoop\hdfs\lib\audience-annotations-  
0.5.0.jar;C:\hadoop\share\hadoop\hdfs\lib\avro-  
1.7.7.jar;C:\hadoop\share\hadoop\hdfs\lib\checker-qual-  
2.5.2.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-beanutils-  
1.9.4.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-cli-  
1.2.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-codec-  
1.11.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-collections-  
3.2.2.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-compress-  
1.21.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-configuration2-  
2.1.1.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-daemon-  
1.0.13.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-io-  
2.8.0.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-lang3-  
3.7.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-logging-  
1.1.3.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-math3-  
3.1.1.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-net-  
3.6.jar;C:\hadoop\share\hadoop\hdfs\lib\commons-text-  
1.4.jar;C:\hadoop\share\hadoop\hdfs\lib\curator-client-  
2.13.0.jar;C:\hadoop\share\hadoop\hdfs\lib\curator-framework-  
2.13.0.jar;C:\hadoop\share\hadoop\hdfs\lib\curator-recipes-  
2.13.0.jar;C:\hadoop\share\hadoop\hdfs\lib\dnsjava-  
2.1.7.jar;C:\hadoop\share\hadoop\hdfs\lib\error\_prone\_annotations-  
2.2.0.jar;C:\hadoop\share\hadoop\hdfs\lib\failureaccess-  
1.0.jar;C:\hadoop\share\hadoop\hdfs\lib\gson-  
2.9.0.jar;C:\hadoop\share\hadoop\hdfs\lib\guava-27.0-  
jre.jar;C:\hadoop\share\hadoop\hdfs\lib\hadoop-annotations-  
3.2.4.jar;C:\hadoop\share\hadoop\hdfs\lib\hadoop-auth-  
3.2.4.jar;C:\hadoop\share\hadoop\hdfs\lib\htrace-core4-4.1.0-  
incubating.jar;C:\hadoop\share\hadoop\hdfs\lib\httpclient-  
4.5.13.jar;C:\hadoop\share\hadoop\hdfs\lib\httpcore-  
4.4.13.jar;C:\hadoop\share\hadoop\hdfs\lib\j2objc-annotations-  
1.1.jar;C:\hadoop\share\hadoop\hdfs\lib\jackson-annotations-  
2.10.5.jar;C:\hadoop\share\hadoop\hdfs\lib\jackson-core-  
2.10.5.jar;C:\hadoop\share\hadoop\hdfs\lib\jackson-core-asl-  
1.9.13.jar;C:\hadoop\share\hadoop\hdfs\lib\jackson-databind-  
2.10.5.1.jar;C:\hadoop\share\hadoop\hdfs\lib\jackson-jaxrs-  
1.9.13.jar;C:\hadoop\share\hadoop\hdfs\lib\jackson-mapper-asl-  
1.9.13.jar;C:\hadoop\share\hadoop\hdfs\lib\jackson-xc-  
1.9.13.jar;C:\hadoop\share\hadoop\hdfs\lib\javax.activation-api-  
1.2.0.jar;C:\hadoop\share\hadoop\hdfs\lib\javax.servlet-api-  
3.1.0.jar;C:\hadoop\share\hadoop\hdfs\lib\jaxb-api-  
2.2.11.jar;C:\hadoop\share\hadoop\hdfs\lib\jaxb-impl-2.2.3-  
1.jar;C:\hadoop\share\hadoop\hdfs\lib\jcip-annotations-1.0-  
1.jar;C:\hadoop\share\hadoop\hdfs\lib\jersey-core-  
1.19.jar;C:\hadoop\share\hadoop\hdfs\lib\jersey-json-  
1.19.jar;C:\hadoop\share\hadoop\hdfs\lib\jersey-server-  
1.19.jar;C:\hadoop\share\hadoop\hdfs\lib\jersey-servlet-  
1.19.jar;C:\hadoop\share\hadoop\hdfs\lib\jettison-  
1.1.jar;C:\hadoop\share\hadoop\hdfs\lib\jetty-http-

9.4.43.v20210629.jar;C:\hadoop\share\hadoop\hdfs\lib\jetty-io-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\hdfs\lib\jetty-security-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\hdfs\lib\jetty-server-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\hdfs\lib\jetty-servlet-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\hdfs\lib\jetty-util-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\hdfs\lib\jetty-util-ajax-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\hdfs\lib\jetty-webapp-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\hdfs\lib\jetty-xml-  
9.4.43.v20210629.jar;C:\hadoop\share\hadoop\hdfs\lib\jsch-  
0.1.55.jar;C:\hadoop\share\hadoop\hdfs\lib\json-simple-  
1.1.1.jar;C:\hadoop\share\hadoop\hdfs\lib\json-smart-  
2.4.7.jar;C:\hadoop\share\hadoop\hdfs\lib\jsr305-  
3.0.2.jar;C:\hadoop\share\hadoop\hdfs\lib\jsr311-api-  
1.1.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerb-admin-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerb-client-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerb-common-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerb-core-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerb-crypto-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerb-identity-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerb-server-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerb-simplekdc-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerb-util-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerby-asn1-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerby-config-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerby-pkix-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerby-util-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\kerby-xdr-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\leveldbjni-all-  
1.8.jar;C:\hadoop\share\hadoop\hdfs\lib\listenablefuture-9999.0-empty-to-  
avoid-conflict-with-guava.jar;C:\hadoop\share\hadoop\hdfs\lib\netty-  
3.10.6.Final.jar;C:\hadoop\share\hadoop\hdfs\lib\netty-all-  
4.1.68.Final.jar;C:\hadoop\share\hadoop\hdfs\lib\nimbus-jose-jwt-  
9.8.1.jar;C:\hadoop\share\hadoop\hdfs\lib\okhttp-  
2.7.5.jar;C:\hadoop\share\hadoop\hdfs\lib\okio-  
1.6.0.jar;C:\hadoop\share\hadoop\hdfs\lib\paranamer-  
2.3.jar;C:\hadoop\share\hadoop\hdfs\lib\protobuf-java-  
2.5.0.jar;C:\hadoop\share\hadoop\hdfs\lib\re2j-  
1.1.jar;C:\hadoop\share\hadoop\hdfs\lib\reload4j-  
1.2.18.3.jar;C:\hadoop\share\hadoop\hdfs\lib\snappy-java-  
1.0.5.jar;C:\hadoop\share\hadoop\hdfs\lib\spotbugs-annotations-  
3.1.9.jar;C:\hadoop\share\hadoop\hdfs\lib\stax2-api-  
4.2.1.jar;C:\hadoop\share\hadoop\hdfs\lib\token-provider-  
1.0.1.jar;C:\hadoop\share\hadoop\hdfs\lib\woodstox-core-  
5.3.0.jar;C:\hadoop\share\hadoop\hdfs\lib\zookeeper-  
3.4.14.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-3.2.4-  
tests.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-  
3.2.4.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-client-3.2.4-  
tests.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-client-  
3.2.4.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-httpfs-  
3.2.4.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-native-client-3.2.4-  
tests.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-native-client-  
3.2.4.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-nfs-  
3.2.4.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-rbf-3.2.4-  
tests.jar;C:\hadoop\share\hadoop\hdfs\hadoop-hdfs-rbf-  
3.2.4.jar;C:\hadoop\share\hadoop\yarn;C:\hadoop\share\hadoop\yarn\lib\aoop  
alliance-1.0.jar;C:\hadoop\share\hadoop\yarn\lib\bcpkix-jdk15on-  
1.60.jar;C:\hadoop\share\hadoop\yarn\lib\bcprov-jdk15on-  
1.60.jar;C:\hadoop\share\hadoop\yarn\lib\ehcache-

3.3.1.jar;C:\hadoop\share\hadoop\yarn\lib\fst-  
2.50.jar;C:\hadoop\share\hadoop\yarn\lib\geronimo-jcache\_1.0\_spec-1.0-  
alpha-1.jar;C:\hadoop\share\hadoop\yarn\lib\guice-  
4.0.jar;C:\hadoop\share\hadoop\yarn\lib\guice-servlet-  
4.0.jar;C:\hadoop\share\hadoop\yarn\lib\HikariCP-java7-  
2.4.12.jar;C:\hadoop\share\hadoop\yarn\lib\jackson-jaxrs-base-  
2.10.5.jar;C:\hadoop\share\hadoop\yarn\lib\jackson-jaxrs-json-provider-  
2.10.5.jar;C:\hadoop\share\hadoop\yarn\lib\jackson-module-jaxb-  
annotations-  
2.10.5.jar;C:\hadoop\share\hadoop\yarn\lib\jakarta.activation-api-  
1.2.1.jar;C:\hadoop\share\hadoop\yarn\lib\jakarta.xml.bind-api-  
2.3.2.jar;C:\hadoop\share\hadoop\yarn\lib\java-util-  
1.9.0.jar;C:\hadoop\share\hadoop\yarn\lib\javax.inject-  
1.jar;C:\hadoop\share\hadoop\yarn\lib\jersey-client-  
1.19.jar;C:\hadoop\share\hadoop\yarn\lib\jersey-guice-  
1.19.jar;C:\hadoop\share\hadoop\yarn\lib\json-io-  
2.5.1.jar;C:\hadoop\share\hadoop\yarn\lib\metrics-core-  
3.2.4.jar;C:\hadoop\share\hadoop\yarn\lib\mssql-jdbc-  
6.2.1.jre7.jar;C:\hadoop\share\hadoop\yarn\lib\objenesis-  
1.0.jar;C:\hadoop\share\hadoop\yarn\lib\sakeyaml-  
1.26.jar;C:\hadoop\share\hadoop\yarn\lib\swagger-annotations-  
1.5.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-api-  
3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-applications-  
distributedshell-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-  
applications-unmanaged-am-launcher-  
3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-client-  
3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-common-  
3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-registry-  
3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-server-  
applicationhistoryservice-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-  
yarn-server-common-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-  
server-nodemanager-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-  
server-resourcemanager-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-  
server-router-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-server-  
sharedcachemanager-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-  
server-tests-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-server-  
timeline-pluginstorage-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-  
server-web-proxy-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-  
services-api-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-services-  
core-3.2.4.jar;C:\hadoop\share\hadoop\yarn\hadoop-yarn-submarine-  
3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\lib\hamcrest-core-  
1.3.jar;C:\hadoop\share\hadoop\mapreduce\lib\junit-  
4.13.2.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-mapreduce-client-app-  
3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-mapreduce-client-  
common-3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-mapreduce-  
client-core-3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-mapreduce-  
client-hs-3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-mapreduce-  
client-hs-plugins-3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-  
mapreduce-client-jobclient-3.2.4-  
tests.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-mapreduce-client-  
jobclient-3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-mapreduce-  
client-nativetask-3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-  
mapreduce-client-shuffle-  
3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-mapreduce-client-  
uploader-3.2.4.jar;C:\hadoop\share\hadoop\mapreduce\hadoop-mapreduce-  
examples-3.2.4.jar

```
STARTUP_MSG:    build = Unknown -r
7e5d9983b388e372fe640f21f048f2f2ae6e9eba; compiled by 'ubuntu' on 2022-
07-12T11:58Z
STARTUP_MSG:    java = 1.8.0_411
*****/
2025-04-18 18:03:34,514 INFO namenode.NameNode: createNameNode [-format]
Formatting using clusterid: CID-6ec7f354-aed6-492b-aa42-ea15c577ead4
2025-04-18 18:03:36,437 INFO namenode.FSEditLog: Edit logging is
async:true
2025-04-18 18:03:36,485 INFO namenode.FSNamesystem: KeyProvider: null
2025-04-18 18:03:36,502 INFO namenode.FSNamesystem: fsLock is fair: true
2025-04-18 18:03:36,507 INFO namenode.FSNamesystem: Detailed lock hold
time metrics enabled: false
2025-04-18 18:03:36,523 INFO namenode.FSNamesystem: fsOwner              =
HP (auth:SIMPLE)
2025-04-18 18:03:36,523 INFO namenode.FSNamesystem: supergroup          =
supergroup
2025-04-18 18:03:36,523 INFO namenode.FSNamesystem: isPermissionEnabled =
true
2025-04-18 18:03:36,523 INFO namenode.FSNamesystem: HA Enabled: false
2025-04-18 18:03:36,599 INFO common.Util:
dfs.datanode.fileio.profiling.sampling.percentage set to 0. Disabling
file IO profiling
2025-04-18 18:03:36,615 INFO blockmanagement.DatanodeManager:
dfs.block.invalidate.limit: configured=1000, counted=60, effected=1000
2025-04-18 18:03:36,615 INFO blockmanagement.DatanodeManager:
dfs.namenode.datanode.registration.ip-hostname-check=true
2025-04-18 18:03:36,627 INFO blockmanagement.BlockManager:
dfs.namenode.startup.delay.block.deletion.sec is set to 000:00:00:00.000
2025-04-18 18:03:36,627 INFO blockmanagement.BlockManager: The block
deletion will start around 2025 Apr 18 18:03:36
2025-04-18 18:03:36,631 INFO util.GSet: Computing capacity for map
BlocksMap
2025-04-18 18:03:36,631 INFO util.GSet: VM type              = 64-bit
2025-04-18 18:03:36,635 INFO util.GSet: 2.0% max memory 889 MB = 17.8 MB
2025-04-18 18:03:36,635 INFO util.GSet: capacity            = 2^21 = 2097152
entries
2025-04-18 18:03:36,643 INFO blockmanagement.BlockManager: Storage policy
satisfier is disabled
2025-04-18 18:03:36,643 INFO blockmanagement.BlockManager:
dfs.block.access.token.enable = false
2025-04-18 18:03:36,652 INFO blockmanagement.BlockManagerSafeMode:
dfs.namenode.safemode.threshold-pct = 0.9990000128746033
2025-04-18 18:03:36,652 INFO blockmanagement.BlockManagerSafeMode:
dfs.namenode.safemode.min.datanodes = 0
2025-04-18 18:03:36,652 INFO blockmanagement.BlockManagerSafeMode:
dfs.namenode.safemode.extension = 30000
2025-04-18 18:03:36,659 INFO blockmanagement.BlockManager:
defaultReplication              = 3
2025-04-18 18:03:36,659 INFO blockmanagement.BlockManager: maxReplication
= 512
2025-04-18 18:03:36,661 INFO blockmanagement.BlockManager: minReplication
= 1
2025-04-18 18:03:36,663 INFO blockmanagement.BlockManager:
maxReplicationStreams           = 2
2025-04-18 18:03:36,663 INFO blockmanagement.BlockManager:
redundancyRecheckInterval      = 3000ms
```

```

2025-04-18 18:03:36,664 INFO blockmanagement.BlockManager:
encryptDataTransfer      = false
2025-04-18 18:03:36,664 INFO blockmanagement.BlockManager:
maxNumBlocksToLog       = 1000
2025-04-18 18:03:36,728 INFO namenode.FSDirectory: GLOBAL serial map:
bits=29 maxEntries=536870911
2025-04-18 18:03:36,728 INFO namenode.FSDirectory: USER serial map:
bits=24 maxEntries=16777215
2025-04-18 18:03:36,731 INFO namenode.FSDirectory: GROUP serial map:
bits=24 maxEntries=16777215
2025-04-18 18:03:36,731 INFO namenode.FSDirectory: XATTR serial map:
bits=24 maxEntries=16777215
2025-04-18 18:03:36,749 INFO util.GSet: Computing capacity for map
INodeMap
2025-04-18 18:03:36,749 INFO util.GSet: VM type          = 64-bit
2025-04-18 18:03:36,749 INFO util.GSet: 1.0% max memory 889 MB = 8.9 MB
2025-04-18 18:03:36,749 INFO util.GSet: capacity        = 2^20 = 1048576
entries
2025-04-18 18:03:36,749 INFO namenode.FSDirectory: ACLs enabled? false
2025-04-18 18:03:36,754 INFO namenode.FSDirectory: POSIX ACL inheritance
enabled? true
2025-04-18 18:03:36,754 INFO namenode.FSDirectory: XAttrs enabled? true
2025-04-18 18:03:36,754 INFO namenode.NameNode: Caching file names
occurring more than 10 times
2025-04-18 18:03:36,754 INFO snapshot.SnapshotManager: Loaded config
captureOpenFiles: false, skipCaptureAccessTimeOnlyChange: false,
snapshotDiffAllowSnapRootDescendant: true, maxSnapshotLimit: 65536
2025-04-18 18:03:36,754 INFO snapshot.SnapshotManager: SkipList is
disabled
2025-04-18 18:03:36,770 INFO util.GSet: Computing capacity for map
cachedBlocks
2025-04-18 18:03:36,770 INFO util.GSet: VM type          = 64-bit
2025-04-18 18:03:36,770 INFO util.GSet: 0.25% max memory 889 MB = 2.2 MB
2025-04-18 18:03:36,770 INFO util.GSet: capacity        = 2^18 = 262144
entries
2025-04-18 18:03:36,788 INFO metrics.TopMetrics: NNTop conf:
dfs.namenode.top.window.num.buckets = 10
2025-04-18 18:03:36,788 INFO metrics.TopMetrics: NNTop conf:
dfs.namenode.top.num.users = 10
2025-04-18 18:03:36,788 INFO metrics.TopMetrics: NNTop conf:
dfs.namenode.top.windows.minutes = 1,5,25
2025-04-18 18:03:36,801 INFO namenode.FSNamesystem: Retry cache on
namenode is enabled
2025-04-18 18:03:36,801 INFO namenode.FSNamesystem: Retry cache will use
0.03 of total heap and retry cache entry expiry time is 600000 millis
2025-04-18 18:03:36,804 INFO util.GSet: Computing capacity for map
NameNodeRetryCache
2025-04-18 18:03:36,804 INFO util.GSet: VM type          = 64-bit
2025-04-18 18:03:36,804 INFO util.GSet: 0.029999999329447746% max memory
889 MB = 273.1 KB
2025-04-18 18:03:36,804 INFO util.GSet: capacity        = 2^15 = 32768
entries
Re-format filesystem in Storage Directory root= \tmp\hadoop-HP\dfs\name;
location= null ? (Y or N) Y
2025-04-18 18:03:38,933 INFO namenode.FSImage: Allocated new BlockPoolId:
BP-1473144611-192.168.62.188-1744979618916
2025-04-18 18:03:38,933 INFO common.Storage: Will remove files:
[\\tmp\hadoop-HP\dfs\name\current\edits_inprogress_0000000000000000001,

```

```
\tmp\hadoop-HP\dfs\name\current\fsimage_00000000000000000000, \tmp\hadoop-
HP\dfs\name\current\fsimage_00000000000000000000.md5, \tmp\hadoop-
HP\dfs\name\current\seen_txid, \tmp\hadoop-HP\dfs\name\current\VERSION]
2025-04-18 18:03:38,989 INFO common.Storage: Storage directory
\tmp\hadoop-HP\dfs\name has been successfully formatted.
2025-04-18 18:03:39,022 INFO namenode.FSImageFormatProtobuf: Saving image
file \tmp\hadoop-HP\dfs\name\current\fsimage.ckpt_00000000000000000000
using no compression
2025-04-18 18:03:39,149 INFO namenode.FSImageFormatProtobuf: Image file
\tmp\hadoop-HP\dfs\name\current\fsimage.ckpt_00000000000000000000 of size
397 bytes saved in 0 seconds .
2025-04-18 18:03:39,167 INFO namenode.NNStorageRetentionManager: Going to
retain 1 images with txid >= 0
2025-04-18 18:03:39,184 INFO namenode.FSNamesystem: Stopping services
started for active state
2025-04-18 18:03:39,184 INFO namenode.FSNamesystem: Stopping services
started for standby state
2025-04-18 18:03:39,197 INFO namenode.FSImage: FSImageSaver clean
checkpoint: txid=0 when meet shutdown.
2025-04-18 18:03:39,197 INFO namenode.NameNode: SHUTDOWN_MSG:
/*****
SHUTDOWN_MSG: Shutting down NameNode at LAPTOP-UTIOH6O2/192.168.62.188
*****/
```

```
C:\hadoop>cd sbin
```

```
C:\hadoop\sbin>start-dfs.cmd
```

```
C:\hadoop\sbin>jps
```

```
2756 Jps
```

```
22892 NameNode
```

```
C:\hadoop\sbin>start-dfs.cmd
```

```
C:\hadoop\sbin>jps
```

```
1264 Jps
```

```
22892 NameNode
```

```
24460 DataNode
```

```
C:\hadoop\sbin>start-yarn
```

```
starting yarn daemons
```

```
C:\hadoop\sbin>jps
```

```
6932 Jps
```

```
15848 ResourceManager
```

```
10444 NodeManager
```

```
22892 NameNode
```

```
C:\hadoop\sbin>start-dfs.cmd
```

```
C:\hadoop\sbin>JPS
```

```
7232 Jps
```

```
736 DataNode
```

```
15848 ResourceManager
```

```
10444 NodeManager
```

```
22892 NameNode
```

```
C:\hadoop\sbin>start-yarn
```



starting yarn daemons

```
C:\hadoop\sbin>jps
15520 ResourceManager
18708 Jps
15704 NodeManager
15848 ResourceManager
10444 NodeManager
22892 NameNode
```

```
C:\hadoop\sbin>start-dfs.cmd
```

```
C:\hadoop\sbin>jps
10932 DataNode
15848 ResourceManager
24920 Jps
10444 NodeManager
22892 NameNode
```

```
C:\hadoop\sbin>hadoop fs -mkdir /input1
```

```
C:\hadoop\sbin>hadoop fs -put c:\data.txt /input1
```

```
C:\hadoop\sbin>hadoop fs -ls /input1
Found 1 items
2025-04-18 18:09:40,109 WARN nativeio.NativeIO: NativeIO.getStat error
(3): The system cannot find the path specified.
-- file path: input1/data.txt
-rw-r--r-- 1 Administrators None 83 2025-04-18 18:09
/input1/data.txt
```

```
C:\hadoop\sbin>hadoop dfs -cat /input1/data.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.
```

```
mansi
nikita
vinod
mansi
vinod
nikita
mansi
vinod
vinod
nikita
mansi
```

```
C:\hadoop\sbin>hadoop jar C:\hadoop\share\hadoop\mapreduce\hadoop-
mapreduce-examples-3.2.4.jar wordcount /input1 /out
2025-04-18 18:10:11,810 INFO client.RMPProxy: Connecting to
ResourceManager at /0.0.0.0:8032
2025-04-18 18:10:12,822 WARN nativeio.NativeIO: NativeIO.getStat error
(3): The system cannot find the path specified.
-- file path: input1/data.txt
2025-04-18 18:10:12,888 INFO input.FileInputFormat: Total input files to
process : 1
2025-04-18 18:10:12,919 INFO mapreduce.JobSubmitter: number of splits:1
2025-04-18 18:10:13,138 INFO mapreduce.JobSubmitter: Submitting tokens
for job: job_1744979754775_0001
```

```
2025-04-18 18:10:13,138 INFO mapreduce.JobSubmitter: Executing with
tokens: []
2025-04-18 18:10:13,342 INFO conf.Configuration: resource-types.xml not
found
2025-04-18 18:10:13,342 INFO resource.ResourceUtils: Unable to find
'resource-types.xml'.
2025-04-18 18:10:13,805 INFO impl.YarnClientImpl: Submitted application
application_1744979754775_0001
2025-04-18 18:10:13,854 INFO mapreduce.Job: The url to track the job:
http://LAPTOP-UTIOH602:8088/proxy/application_1744979754775_0001/
2025-04-18 18:10:13,856 INFO mapreduce.Job: Running job:
job_1744979754775_0001
2025-04-18 18:10:23,021 INFO mapreduce.Job: Job job_1744979754775_0001
running in uber mode : false
2025-04-18 18:10:23,021 INFO mapreduce.Job:  map 0% reduce 0%
2025-04-18 18:10:30,124 INFO mapreduce.Job:  map 100% reduce 0%
2025-04-18 18:10:36,185 INFO mapreduce.Job:  map 100% reduce 100%
2025-04-18 18:10:36,185 INFO mapreduce.Job: Job job_1744979754775_0001
completed successfully
2025-04-18 18:10:36,310 INFO mapreduce.Job: Counters: 48
    File System Counters
        FILE: Number of bytes read=252
        FILE: Number of bytes written=477689
        FILE: Number of read operations=0
        FILE: Number of large read operations=0
        FILE: Number of write operations=0
    Job Counters
        Launched map tasks=1
        Launched reduce tasks=1
        Rack-local map tasks=1
        Total time spent by all maps in occupied slots (ms)=3415
        Total time spent by all reduces in occupied slots
(ms)=3761
        Total time spent by all map tasks (ms)=3415
        Total time spent by all reduce tasks (ms)=3761
        Total vcore-milliseconds taken by all map tasks=3415
        Total vcore-milliseconds taken by all reduce tasks=3761
        Total megabyte-milliseconds taken by all map
tasks=3496960
        Total megabyte-milliseconds taken by all reduce
tasks=3851264
    Map-Reduce Framework
        Map input records=11
        Map output records=11
        Map output bytes=118
        Map output materialized bytes=44
        Input split bytes=86
        Combine input records=11
        Combine output records=3
        Reduce input groups=3
        Reduce shuffle bytes=44
        Reduce input records=3
        Reduce output records=3
        Spilled Records=6
        Shuffled Maps =1
        Failed Shuffles=0
        Merged Map outputs=1
        GC time elapsed (ms)=89
```

```
CPU time spent (ms)=419
Physical memory (bytes) snapshot=421924864
Virtual memory (bytes) snapshot=642478080
Total committed heap usage (bytes)=304611328
Peak Map Physical memory (bytes)=263819264
Peak Map Virtual memory (bytes)=362885120
Peak Reduce Physical memory (bytes)=158162944
Peak Reduce Virtual memory (bytes)=279728128
Shuffle Errors
BAD_ID=0
CONNECTION=0
IO_ERROR=0
WRONG_LENGTH=0
WRONG_MAP=0
WRONG_REDUCE=0
File Input Format Counters
  Bytes Read=103
File Output Format Counters
  Bytes Written=38
```

```
C:\hadoop\sbin>hadoop fs -cat /out/*
crc      ☹ cæbPcrc    ☹
mansi    4
nikita   3
vinod    4
```