login as: hduser

hduser@192.168.56.115's password:

Last login: Wed Oct 23 22:25:55 2024 from 192.168.56.1

[hduser@manager ~]$ sudo nano .bashrc

[hduser@manager ~]$ hdfs dfs namenode -format

ERROR: JAVA_HOME /usr/lib/jvm/java-8-openjdk-amd64/ does not exist.

[hduser@manager ~]$ cd usr

-bash: cd: usr: No such file or directory

[hduser@manager ~]$ cd /usr

[hduser@manager usr]$ cd /lib/jvm

[hduser@manager jvm]$ ls

java

java-1.8.0

java-1.8.0-openjdk

java-1.8.0-openjdk-1.8.0.362.b09-4.el9.x86_64

java-openjdk

jre

jre-1.8.0

jre-1.8.0-openjdk

jre-1.8.0-openjdk-1.8.0.362.b09-4.el9.x86_64

jre-openjdk

[hduser@manager jvm]$ pwd

/lib/jvm

[hduser@manager jvm]$ cd

[hduser@manager ~]$ sudo find / -name java

find: '/run/user/1001/doc': Permission denied

find: '/run/user/1001/gvfs': Permission denied

/etc/pki/ca-trust/extracted/java

/etc/pki/java

/etc/alternatives/java

/etc/java

/var/lib/alternatives/java

/usr/bin/java

/usr/lib/java

/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.362.b09-4.el9.x86_64/jre/bin/java

/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.362.b09-4.el9.x86_64/bin/java

/usr/lib/jvm/java

/usr/share/bash-completion/completions/java

/usr/share/java

[hduser@manager ~]$

[hduser@manager ~]$ sudo nano .bashrc

[hduser@manager ~]$ hdfs dfs namenode -format

ERROR: JAVA_HOME /usr/lib/jvm/java-8-openjdk-amd64/ does not exist.

[hduser@manager ~]$ sudo nano .bashrc

[hduser@manager ~]$ source .bashrc

[hduser@manager ~]$ hdfs dfs namenode -format

namenode: Unknown command

Usage: hadoop fs [generic options]

        [-appendToFile <localsrc> ... <dst>]

        [-cat [-ignoreCrc] <src> ...]

        [-checksum <src> ...]

        [-chgrp [-R] GROUP PATH...]

[-chmod [-R] <MODE[,MODE]... | OCTALMODE> PATH...]

[-chown [-R] [OWNER][:[GROUP]] PATH...]

[-copyFromLocal [-f] [-p] [-l] [-d] [-t <thread count>] [-q <thread pool queue size>] <localsrc> ... <dst>]

[-copyToLocal [-f] [-p] [-crc] [-ignoreCrc] [-t <thread count>] [-q <thread pool queue size>] <src> ... <localdst>]

[-count [-q] [-h] [-v] [-t [<storage type>]] [-u] [-x] [-e] <path> ...]

[-cp [-f] [-p | -p[topax]] [-d] [-t <thread count>] [-q <thread pool queue size>] <src> ... <dst>]

[-createSnapshot <snapshotDir> [<snapshotName>]]

[-deleteSnapshot <snapshotDir> <snapshotName>]

[-df [-h] [<path> ...]]

[-du [-s] [-h] [-v] [-x] <path> ...]

[-expunge [-immediate]]

[-find <path> ... <expression> ...]

[-get [-f] [-p] [-crc] [-ignoreCrc] [-t <thread count>] [-q <thread pool queue size>] <src> ... <localdst>]

[-getfacl [-R] <path>]

[-getfattr [-R] {-n name | -d} [-e en] <path>]

[-getmerge [-nl] [-skip-empty-file] <src> <localdst>]

[-head <file>]

[-help [cmd ...]]

[-ls [-C] [-d] [-h] [-q] [-R] [-t] [-S] [-r] [-u] [-e] [<path> ...]]

[-mkdir [-p] <path> ...]

[-moveFromLocal [-f] [-p] [-l] [-d] <localsrc> ... <dst>]

[-moveToLocal <src> <localdst>]

[-mv <src> ... <dst>]

[-put [-f] [-p] [-l] [-d] [-t <thread count>] [-q <thread pool queue size>] <localsrc> ... <dst>]

[-renameSnapshot <snapshotDir> <oldName> <newName>]

[-rm [-f] [-r|-R] [-skipTrash] [-safely] <src> ...]

[-rmdir [--ignore-fail-on-non-empty] <dir> ...]

[-setfacl [-R] [{-b|-k} {-m|-x <acl_spec>} <path>]|[--set <acl_spec> <path>]]

[-setfattr {-n name [-v value] | -x name} <path>]

[-setrep [-R] [-w] <rep> <path> ...]

[-stat [format] <path> ...]

[-tail [-f] [-s <sleep interval>] <file>]

[-test -[defswrz] <path>]

[-text [-ignoreCrc] <src> ...]

[-touch [-a] [-m] [-t TIMESTAMP (yyyyMMdd:HHmmss) ] [-c] <path> ...]

[-touchz <path> ...]

[-truncate [-w] <length> <path> ...]

[-usage [cmd ...]]


Generic options supported are:

-conf <configuration file>          specify an application configuration file

-D <property=value>                 define a value for a given property

-fs <file:///|hdfs://namenode:port> specify default filesystem URL to use, overrides 'fs.defaultFS' property from configurations.

-jt <local|resourcemanager:port>    specify a ResourceManager

-files <file1,...>                  specify a comma-separated list of files to be copied to the map reduce cluster

-libjars <jar1,...>                 specify a comma-separated list of jar files to be included in the classpath

-archives <archive1,...>            specify a comma-separated list of archives to be unarchived on the compute machines

The general command line syntax is:

command [genericOptions] [commandOptions]

[hduser@manager ~]$ hdfs namenode -format

WARNING: /usr/local/hadoop/logs does not exist. Creating.

2024-10-24 00:24:05,040 INFO namenode.NameNode: STARTUP_MSG:

/************************************************************

STARTUP_MSG: Starting NameNode

STARTUP_MSG:      host = manager/192.168.56.115

STARTUP_MSG:      args = [-format]

STARTUP_MSG:      version = 3.2.4

STARTUP_MSG:      classpath = /usr/local/hadoop/etc/hadoop:/usr/local/hadoop/share/hadoop/common/lib/kerb-client-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/hadoop-annotations-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-configuration2-2.1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-common-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-crypto-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/lib/jersey-core-1.19.jar:/usr/local/hadoop/share/hadoop/common/lib/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-xml-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/jcip-annotations-1.0-1.jar:/usr/local/hadoop/share/hadoop/common/lib/woodstox-core-5.3.0.jar:/usr/local/hadoop/share/hadoop/common/lib/gson-2.9.0.jar:/usr/local/hadoop/share/hadoop/common/lib/htrace-core4-4.1.0-incubating.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-collections-3.2.2.jar:/usr/local/hadoop/share/hadoop/common/lib/netty-3.10.6.Final.jar:/usr/local/hadoop/share/hadoop/common/lib/zookeeper-3.4.14.jar:/usr/local/hadoop/share/hadoop/common/lib/jersey-server-1.19.jar:/usr/local/hadoop/share/hadoop/common/lib/slf4j-reload4j-1.7.35.jar:/usr/local/hadoop/share/hadoop/common/lib/paranamer-2.3.jar:/usr/local/hadoop/share/hadoop/common/lib/javax.servlet-api-3.1.0.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-core-asl-1.9.13.jar:/usr/local/hadoop/share/hadoop/common/lib/javax.activation-api-1.2.0.jar:/usr/local/hadoop/share/hadoop/common/lib/guava-27.0-jre.jar:/usr/local/hadoop/share/hadoop/common/lib/asm-5.0.4.jar:/usr/local/hadoop/share/hadoop/common/lib/j2objc-annotations-1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/curator-framework-2.13.0.jar:/usr/local/hadoop/share/hadoop/common/lib/accessors-smart-2.4.7.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-server-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/re2j-1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-config-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-servlet-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-databind-2.10.5.1.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-beanutils-1.9.4.jar:/usr/local/hadoop/share/hadoop/common/lib/f

ailureaccess-1.0.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-cli-1.2.jar:/usr/local/hadoop/share/hadoop/common/lib/jersey-json-1.19.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-mapper-asl-1.9.13.jar:/usr/local/hadoop/share/hadoop/common/lib/dnsjava-2.1.7.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-xc-1.9.13.jar:/usr/local/hadoop/share/hadoop/common/lib/jsp-api-2.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jaxb-api-2.2.11.jar:/usr/local/hadoop/share/hadoop/common/lib/reload4j-1.2.18.3.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-util-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-core-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/httpclient-4.5.13.jar:/usr/local/hadoop/share/hadoop/common/lib/nimbus-jose-jwt-9.8.1.jar:/usr/local/hadoop/share/hadoop/common/lib/curator-client-2.13.0.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-text-1.4.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-annotations-2.10.5.jar:/usr/local/hadoop/share/hadoop/common/lib/jaxb-impl-2.2.3-1.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-util-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/jersey-servlet-1.19.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-http-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-identity-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/spotbugs-annotations-3.1.9.jar:/usr/local/hadoop/share/hadoop/common/lib/checker-qual-2.5.2.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-webapp-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/metrics-core-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/lib/token-provider-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/snappy-java-1.0.5.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-net-3.6.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-server-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-pkix-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-compress-1.21.jar:/usr/local/hadoop/share/hadoop/common/lib/httpcore-4.4.13.jar:/usr/local/hadoop/share/hadoop/common/lib/jul-to-slf4j-1.7.35.jar:/usr/local/hadoop/share/hadoop/common/lib/jsr305-3.0.2.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-math3-3.1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-admin-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/curator-recipes-2.13.0.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-util-ajax-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-codec-1.11.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-io-2.8.0.jar:/usr/local/hadoop/share/hadoop/common/lib/avro-1.7.7.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-asn1-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-lang3-3.7.jar:/usr/local/hadoop/share/hadoop/common/lib/json-smart-2.4.7.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-util-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jsr311-api-1.1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-simplekdc-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-jaxrs-1.9.13.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-core-2.10.5.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-xdr-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jsch-0.1.55.jar:/usr/local/hadoop/share/hadoop/common/lib/jettison-1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/protobuf-java-2.5.0.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-logging-1.1.3.jar:/usr/local/hadoop/share/hadoop/common/lib/animal-sniffer-annotations-1.17.jar:/usr/local/hadoop/share/hadoop/common/lib/error_prone_annotations-2.2.0.jar:/usr/local/hadoop/share/hadoop/common/lib/slf4j-api-1.7.35.jar:/usr/local/hadoop/share/hadoop/common/lib/audience-annotations-0.5.0.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-security-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-io-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/stax2-api-4.2.1.jar:/usr/local/hadoop/share/hadoop/common/hadoop-common-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/common/hadoop-common-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/hadoop-kms-3.2.4

.jar:/usr/local/hadoop/share/hadoop/common/hadoop-nfs-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-client-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/hadoop-annotations-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-configuration2-2.1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-common-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-crypto-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/hadoop-auth-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jersey-core-1.19.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-xml-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jcip-annotations-1.0-1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/woodstox-core-5.3.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/gson-2.9.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/htrace-core4-4.1.0-incubating.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-collections-3.2.2.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/netty-3.10.6.Final.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/zookeeper-3.4.14.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jersey-server-1.19.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/paranamer-2.3.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/leveldbjni-all-1.8.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/javax.servlet-api-3.1.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-core-asl-1.9.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/json-simple-1.1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/javax.activation-api-1.2.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/guava-27.0-jre.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/asm-5.0.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/j2objc-annotations-1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/curator-framework-2.13.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/accessors-smart-2.4.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-server-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/re2j-1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-config-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-servlet-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-databind-2.10.5.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-beanutils-1.9.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/failureaccess-1.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-cli-1.2.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jersey-json-1.19.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-mapper-asl-1.9.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/dnsjava-2.1.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-xc-1.9.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jaxb-api-2.2.11.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/reload4j-1.2.18.3.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-util-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-core-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/httpclient-4.5.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/nimbus-jose-jwt-9.8.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/curator-client-2.13.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-text-1.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/netty-all-4.1.68.Final.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-annotations-2.10.5.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jaxb-impl-2.2.3-1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-util-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jersey-servlet-1.19.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-http-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-identity-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/spotbugs-annotations-3.1.9.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/checker-qual-2.5.2.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-webapp-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/token-provider-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/snappy-java-1.0.5.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-net-3.6.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-server-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-pkix-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-compress-1.21.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/httpcor

e-4.4.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jsr305-3.0.2.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-math3-3.1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-admin-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-daemon-1.0.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/curator-recipes-2.13.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-util-ajax-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-codec-1.11.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-io-2.8.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/avro-1.7.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-asn1-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-lang3-3.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/json-smart-2.4.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-util-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jsr311-api-1.1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-simplekdc-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-jaxrs-1.9.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/okio-1.6.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-core-2.10.5.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-xdr-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jsch-0.1.55.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jettison-1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/protobuf-java-2.5.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-logging-1.1.3.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/animal-sniffer-annotations-1.17.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/error_prone_annotations-2.2.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/audience-annotations-0.5.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-security-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/okhttp-2.7.5.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-io-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/stax2-api-4.2.1.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-client-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-client-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-rbf-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-native-client-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-native-client-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-httpfs-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-rbf-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-nfs-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/lib/junit-4.13.2.jar:/usr/local/hadoop/share/hadoop/mapreduce/lib/hamcrest-core-1.3.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-core-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-app-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-examples-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-uploader-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-shuffle-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-common-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-hs-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-hs-plugins-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-nativetask-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-jobclient-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-jobclient-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn:/usr/local/hadoop/share/hadoop/yarn/lib/jersey-guice-1.19.jar:/usr/local/hadoop/share/hadoop/yarn/lib/swagger-annotations-1.5.4.jar:/usr/local/hadoop/share/hadoop/yarn/lib/json-io-2.5.1.jar:/usr/local/hadoop/share/hadoop/yarn/lib/HikariCP-java7-2.4.12.jar:/usr/local/hadoop/share/hadoop/yarn/lib/ehcache-3.3.1.jar:/usr/local/hadoop/share/hadoop/yarn/lib/bcpkix-jdk15on-1.60.jar:/usr/local/hadoop/share/hadoop/yarn/lib/jackson-jaxrs-json-provider-2.10.5.jar:/usr/local/hadoop/share/hadoop/yarn/lib/javax.inject-1.jar:/usr/local/hadoop/share/hadoop/yarn/lib/aopalliance-1.0.jar:/usr/local/hadoop/shar

e/hadoop/yarn/lib/jakarta.xml.bind-api-2.3.2.jar:/usr/local/hadoop/share/hadoop/yarn/lib/metrics-core
-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/lib/objenesis-1.0.jar:/usr/local/hadoop/share/hadoop/
yarn/lib/snakeyaml-1.26.jar:/usr/local/hadoop/share/hadoop/yarn/lib/bcprov-jdk15on-1.60.jar:/usr/loc
al/hadoop/share/hadoop/yarn/lib/jackson-module-jaxb-annotations-2.10.5.jar:/usr/local/hadoop/share
/hadoop/yarn/lib/geronimo-jcache_1.0_spec-1.0-alpha-1.jar:/usr/local/hadoop/share/hadoop/yarn/lib/j
ackson-jaxrs-base-2.10.5.jar:/usr/local/hadoop/share/hadoop/yarn/lib/fst-2.50.jar:/usr/local/hadoop/sh
are/hadoop/yarn/lib/mssql-jdbc-6.2.1.jre7.jar:/usr/local/hadoop/share/hadoop/yarn/lib/guice-4.0.jar:/u
sr/local/hadoop/share/hadoop/yarn/lib/java-util-1.9.0.jar:/usr/local/hadoop/share/hadoop/yarn/lib/jers
ey-client-1.19.jar:/usr/local/hadoop/share/hadoop/yarn/lib/guice-servlet-4.0.jar:/usr/local/hadoop/shar
e/hadoop/yarn/lib/jakarta.activation-api-1.2.1.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-a
pplications-unmanaged-am-launcher-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-serve
r-tests-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-services-core-3.2.4.jar:/usr/local/ha
doop/share/hadoop/yarn/hadoop-yarn-services-api-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/had
oop-yarn-api-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-nodemanager-3.2.4.ja
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sr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-timeline-pluginstorage-3.2.4.jar:/usr/local/had
oop/share/hadoop/yarn/hadoop-yarn-common-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop
-yarn-server-resourcemanager-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-appl
icationhistoryservice-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-registry-3.2.4.jar:/usr
/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-common-3.2.4.jar:/usr/local/hadoop/share/had
oop/yarn/hadoop-yarn-server-web-proxy-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-
applications-distributedshell-3.2.4.jar

STARTUP_MSG:     build = Unknown -r 7e5d9983b388e372fe640f21f048f2f2ae6e9eba; compiled by
'ubuntu' on 2022-07-12T11:58Z

STARTUP_MSG:     java = 1.8.0_362

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2024-10-24 00:24:05,102 INFO namenode.NameNode: registered UNIX signal handlers for [TERM, HUP,
INT]

2024-10-24 00:24:05,194 INFO namenode.NameNode: createNameNode [-format]

2024-10-24 00:24:06,056 INFO common.Util: Assuming 'file' scheme for path
/usr/local/hadoop/hd-data/nn in configuration.

2024-10-24 00:24:06,058 INFO common.Util: Assuming 'file' scheme for path
/usr/local/hadoop/hd-data/nn in configuration.

Formatting using clusterid: CID-33b45fbb-a75e-4b98-b032-c679bc48b54b

2024-10-24 00:24:06,218 INFO namenode.FSEditLog: Edit logging is async:true

2024-10-24 00:24:06,310 INFO namenode.FSNamesystem: KeyProvider: null

2024-10-24 00:24:06,314 INFO namenode.FSNamesystem: fsLock is fair: true

2024-10-24 00:24:06,318 INFO namenode.FSNamesystem: Detailed lock hold time metrics enabled: false

2024-10-24 00:24:06,373 INFO namenode.FSNamesystem: fsOwner                = hduser (auth:SIMPLE)

2024-10-24 00:24:06,374 INFO namenode.FSNamesystem: supergroup             = supergroup

2024-10-24 00:24:06,374 INFO namenode.FSNamesystem: isPermissionEnabled = true

2024-10-24 00:24:06,374 INFO namenode.FSNamesystem: HA Enabled: false

2024-10-24 00:24:06,479 INFO common.Util: dfs.datanode.fileio.profiling.sampling.percentage set to 0. Disabling file IO profiling

2024-10-24 00:24:06,504 INFO blockmanagement.DatanodeManager: dfs.block.invalidate.limit: configured=1000, counted=60, effected=1000

2024-10-24 00:24:06,504 INFO blockmanagement.DatanodeManager: dfs.namenode.datanode.registration.ip-hostname-check=true

2024-10-24 00:24:06,509 INFO blockmanagement.BlockManager: dfs.namenode.startup.delay.block.deletion.sec is set to 000:00:00:00.000

2024-10-24 00:24:06,510 INFO blockmanagement.BlockManager: The block deletion will start around 2024 Oct 24 00:24:06

2024-10-24 00:24:06,513 INFO util.GSet: Computing capacity for map BlocksMap

2024-10-24 00:24:06,513 INFO util.GSet: VM type          = 64-bit

2024-10-24 00:24:06,519 INFO util.GSet: 2.0% max memory 814.5 MB = 16.3 MB

2024-10-24 00:24:06,519 INFO util.GSet: capacity           = 2^21 = 2097152 entries

2024-10-24 00:24:06,530 INFO blockmanagement.BlockManager: Storage policy satisfier is disabled

2024-10-24 00:24:06,531 INFO blockmanagement.BlockManager: dfs.block.access.token.enable = false

2024-10-24 00:24:06,535 INFO blockmanagement.BlockManagerSafeMode: dfs.namenode.safemode.threshold-pct = 0.9990000128746033

2024-10-24 00:24:06,536 INFO blockmanagement.BlockManagerSafeMode: dfs.namenode.safemode.min.datanodes = 0

2024-10-24 00:24:06,536 INFO blockmanagement.BlockManagerSafeMode: dfs.namenode.safemode.extension = 30000

2024-10-24 00:24:06,537 INFO blockmanagement.BlockManager: defaultReplication        = 3

2024-10-24 00:24:06,537 INFO blockmanagement.BlockManager: maxReplication           = 512

2024-10-24 00:24:06,537 INFO blockmanagement.BlockManager: minReplication           = 1

2024-10-24 00:24:06,538 INFO blockmanagement.BlockManager: maxReplicationStreams     = 2

2024-10-24 00:24:06,538 INFO blockmanagement.BlockManager: redundancyRecheckInterval   = 3000ms

2024-10-24 00:24:06,539 INFO blockmanagement.BlockManager: encryptDataTransfer       = false

2024-10-24 00:24:06,539 INFO blockmanagement.BlockManager: maxNumBlocksToLog         = 1000

2024-10-24 00:24:06,601 INFO namenode.FSDirectory: GLOBAL serial map: bits=29 maxEntries=536870911

2024-10-24 00:24:06,601 INFO namenode.FSDirectory: USER serial map: bits=24 maxEntries=16777215

2024-10-24 00:24:06,601 INFO namenode.FSDirectory: GROUP serial map: bits=24 maxEntries=16777215

2024-10-24 00:24:06,601 INFO namenode.FSDirectory: XATTR serial map: bits=24 maxEntries=16777215

2024-10-24 00:24:06,617 INFO util.GSet: Computing capacity for map INodeMap

2024-10-24 00:24:06,617 INFO util.GSet: VM type        = 64-bit

2024-10-24 00:24:06,617 INFO util.GSet: 1.0% max memory 814.5 MB = 8.1 MB

2024-10-24 00:24:06,618 INFO util.GSet: capacity        = 2^20 = 1048576 entries

2024-10-24 00:24:06,620 INFO namenode.FSDirectory: ACLs enabled? false

2024-10-24 00:24:06,620 INFO namenode.FSDirectory: POSIX ACL inheritance enabled? true

2024-10-24 00:24:06,620 INFO namenode.FSDirectory: XAttrs enabled? true

2024-10-24 00:24:06,621 INFO namenode.NameNode: Caching file names occurring more than 10 times

2024-10-24 00:24:06,624 INFO snapshot.SnapshotManager: Loaded config captureOpenFiles: false, skipCaptureAccessTimeOnlyChange: false, snapshotDiffAllowSnapRootDescendant: true, maxSnapshotLimit: 65536

2024-10-24 00:24:06,658 INFO snapshot.SnapshotManager: SkipList is disabled

2024-10-24 00:24:06,676 INFO util.GSet: Computing capacity for map cachedBlocks

2024-10-24 00:24:06,677 INFO util.GSet: VM type        = 64-bit

2024-10-24 00:24:06,678 INFO util.GSet: 0.25% max memory 814.5 MB = 2.0 MB

2024-10-24 00:24:06,679 INFO util.GSet: capacity        = 2^18 = 262144 entries

2024-10-24 00:24:06,737 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.window.num.buckets = 10

2024-10-24 00:24:06,738 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.num.users = 10

2024-10-24 00:24:06,738 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.windows.minutes = 1,5,25

2024-10-24 00:24:06,741 INFO namenode.FSNamesystem: Retry cache on namenode is enabled

2024-10-24 00:24:06,741 INFO namenode.FSNamesystem: Retry cache will use 0.03 of total heap and retry cache entry expiry time is 600000 millis

2024-10-24 00:24:06,747 INFO util.GSet: Computing capacity for map NameNodeRetryCache

2024-10-24 00:24:06,747 INFO util.GSet: VM type         = 64-bit

2024-10-24 00:24:06,748 INFO util.GSet: 0.029999999329447746% max memory 814.5 MB = 250.2 KB

2024-10-24 00:24:06,748 INFO util.GSet: capacity        = 2^15 = 32768 entries

2024-10-24 00:24:06,822 INFO namenode.FSImage: Allocated new BlockPoolId: BP-652153305-192.168.56.115-1729743846800

2024-10-24 00:24:06,880 INFO common.Storage: Storage directory /usr/local/hadoop/hd-data/nn has been successfully formatted.

2024-10-24 00:24:06,943 INFO namenode.FSImageFormatProtobuf: Saving image file /usr/local/hadoop/hd-data/nn/current/fsimage.ckpt_0000000000000000000 using no compression

2024-10-24 00:24:07,076 INFO namenode.FSImageFormatProtobuf: Image file /usr/local/hadoop/hd-data/nn/current/fsimage.ckpt_0000000000000000000 of size 401 bytes saved in 0 seconds .

2024-10-24 00:24:07,113 INFO namenode.NNStorageRetentionManager: Going to retain 1 images with txid >= 0

2024-10-24 00:24:07,170 INFO namenode.FSNamesystem: Stopping services started for active state

2024-10-24 00:24:07,171 INFO namenode.FSNamesystem: Stopping services started for standby state

2024-10-24 00:24:07,177 INFO namenode.FSImage: FSImageSaver clean checkpoint: txid=0 when meet shutdown.

2024-10-24 00:24:07,178 INFO namenode.NameNode: SHUTDOWN_MSG:

```
/**********************************************************

SHUTDOWN_MSG: Shutting down NameNode at manager/192.168.56.115

**********************************************************/
```

[hduser@manager ~]$ jps

3957 Jps

[hduser@manager ~]$ start-all.sh

WARNING: Attempting to start all Apache Hadoop daemons as hduser in 10 seconds.

WARNING: This is not a recommended production deployment configuration.

WARNING: Use CTRL-C to abort.

Starting namenodes on [manager]

manager: Warning: Permanently added 'manager' (ED25519) to the list of known hosts.

Starting datanodes

node2: ERROR: JAVA_HOME is not set and could not be found.

node1: ERROR: JAVA_HOME is not set and could not be found.

node3: ERROR: JAVA_HOME is not set and could not be found.

Starting secondary namenodes [manager]

manager: ERROR: Cannot set priority of secondarynamenode process 4376

Starting resourcemanager

Starting nodemanagers

node3: ERROR: JAVA_HOME is not set and could not be found.

node2: ERROR: JAVA_HOME is not set and could not be found.

node1: ERROR: JAVA_HOME is not set and could not be found.

[hduser@manager ~]$ cat .bashrc

# .bashrc


# Source global definitions

```bash
if [ -f /etc/bashrc ]; then

        . /etc/bashrc

fi


# User specific environment

if ! [[ "$PATH" =~ "$HOME/.local/bin:$HOME/bin:" ]]

then

    PATH="$HOME/.local/bin:$HOME/bin:$PATH"

fi

export PATH


# Uncomment the following line if you don't like systemctl's auto-paging feature:

# export SYSTEMD_PAGER=


# User specific aliases and functions

if [ -d ~/.bashrc.d ]; then

        for rc in ~/.bashrc.d/*; do

                if [ -f "$rc" ]; then

                        . "$rc"

                fi

        done

fi


unset rc

#JAVA

export JAVA_HOME=/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.362.b09-4.el9.x86_64
```

export JRE_HOME=/usr/lib/jvm/java-1.8.0-openjdk-1.8.0.362.b09-4.el9.x86_64/jre

#Hadoop Environment Variables

export HADOOP_HOME=/usr/local/hadoop

export HADOOP_CONF_DIR=/usr/local/hadoop/etc/hadoop

export HADOOP_LOG_DIR=$HADOOP_HOME/logs

export HADOOP_MAPRED_HOME=$HADOOP_HOME

# Add Hadoop bin/ directory to PATH

export PATH=$PATH:$HADOOP_HOME/sbin:$HADOOP_HOME/bin

export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/native

export HADOOP_OPTS="-Djava.library.path=$HADOOP_HOME/lib/native"

export PDSH_RCMD_TYPE=ssh

[hduser@manager ~]$ ssh node1

Last login: Thu Oct 24 00:04:29 2024 from 192.168.56.115

[hduser@node1 ~]$ sudo nano .bashrc

[hduser@node1 ~]$ exit

logout

Connection to node1 closed.

[hduser@manager ~]$ ssh node2

Last login: Thu Oct 24 00:05:47 2024 from 192.168.56.115

[hduser@node2 ~]$ sudo nano .bashrc

[hduser@node2 ~]$ exit

logout

Connection to node2 closed.

[hduser@manager ~]$ ssh node3

Last login: Thu Oct 24 00:03:16 2024 from 192.168.56.115

[hduser@node3 ~]$ sudo nano .bashrc

[hduser@node3 ~]$ exit

logout

Connection to node3 closed.

[hduser@manager ~]$ stop-all.sh

WARNING: Stopping all Apache Hadoop daemons as hduser in 10 seconds.

WARNING: Use CTRL-C to abort.

Stopping namenodes on [manager]

Stopping datanodes

Stopping secondary namenodes [manager]

Stopping nodemanagers

Stopping resourcemanager

[hduser@manager ~]$ jps

5599 Jps

[hduser@manager ~]$ ssh node1

Last login: Thu Oct 24 00:26:16 2024 from 192.168.56.115

[hduser@node1 ~]$ source .bashrc

[hduser@node1 ~]$ exit

logout

Connection to node1 closed.

[hduser@manager ~]$ ssh node2

Last login: Thu Oct 24 00:26:41 2024 from 192.168.56.115

[hduser@node2 ~]$ source .bashrc

[hduser@node2 ~]$ exit

logout

Connection to node2 closed.

[hduser@manager ~]$ ssh node3

Last login: Thu Oct 24 00:27:11 2024 from 192.168.56.115

[hduser@node3 ~]$ source .bashrc

[hduser@node3 ~]$ exit

logout

Connection to node3 closed.

[hduser@manager ~]$ hdfs namenode -format

2024-10-24 00:29:17,287 INFO namenode.NameNode: STARTUP_MSG:

/************************************************************

STARTUP_MSG: Starting NameNode

STARTUP_MSG:     host = manager/192.168.56.115

STARTUP_MSG:     args = [-format]

STARTUP_MSG:     version = 3.2.4

STARTUP_MSG:     classpath =
/usr/local/hadoop/etc/hadoop:/usr/local/hadoop/share/hadoop/common/lib/kerb-client-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/hadoop-annotations-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-configuration2-2.1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-common-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-crypto-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/lib/jersey-core-1.19.jar:/usr/local/hadoop/share/hadoop/common/lib/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-xml-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/jcip-annotations-1.0-1.jar:/usr/local/hadoop/share/hadoop/common/lib/woodstox-core-5.3.0.jar:/usr/local/hadoop/share/hadoop/common/lib/gson-2.9.0.jar:/usr/local/hadoop/share/hadoop/common/lib/htrace-core4-4.1.0-incubating.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-collections-3.2.2.jar:/usr/local/hadoop/share/hadoop/common/lib/netty-3.10.6.Final.jar:/usr/local/hadoop/share/hadoop/common/lib/zookeeper-3.4.14.jar:/usr/local/hadoop/share/hadoop/common/lib/jersey-server-1.19.jar:/usr/local/hadoop/share/hadoop/common/lib/slf4j-reload4j-1.7.35.jar:/usr/local/hadoop/share/hadoop/common/lib/paranamer-2.3.jar:/usr/local/hadoop/share/hadoop/common/lib/javax.servlet-api-3.1.0.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-core-asl-1.9.13.jar:/usr/local/hadoop/share/hadoop/common/lib/javax.activation-api-1.2.0.jar:/usr/local/hadoop/share/hadoop/common/lib/guava-27.0-jre.jar:/usr/local/hadoop/share/hadoop/common/lib/asm-5.0.4.jar:/usr/local/hadoop/share/hadoop/common/lib/j2objc-annotations-1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/curator-framework-2.13.0.jar:/usr/local/hadoop/share/hadoop/common/lib/accessors-smart-2.4.7.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-server-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/re2j-1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-config-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-servlet-9.4.43.v202106

29.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-databind-2.10.5.1.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-beanutils-1.9.4.jar:/usr/local/hadoop/share/hadoop/common/lib/failureaccess-1.0.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-cli-1.2.jar:/usr/local/hadoop/share/hadoop/common/lib/jersey-json-1.19.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-mapper-asl-1.9.13.jar:/usr/local/hadoop/share/hadoop/common/lib/dnsjava-2.1.7.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-xc-1.9.13.jar:/usr/local/hadoop/share/hadoop/common/lib/jsp-api-2.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jaxb-api-2.2.11.jar:/usr/local/hadoop/share/hadoop/common/lib/reload4j-1.2.18.3.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-util-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-core-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/httpclient-4.5.13.jar:/usr/local/hadoop/share/hadoop/common/lib/nimbus-jose-jwt-9.8.1.jar:/usr/local/hadoop/share/hadoop/common/lib/curator-client-2.13.0.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-text-1.4.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-annotations-2.10.5.jar:/usr/local/hadoop/share/hadoop/common/lib/jaxb-impl-2.2.3-1.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-util-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/jersey-servlet-1.19.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-http-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-identity-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/spotbugs-annotations-3.1.9.jar:/usr/local/hadoop/share/hadoop/common/lib/checker-qual-2.5.2.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-webapp-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/metrics-core-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/lib/token-provider-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/snappy-java-1.0.5.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-net-3.6.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-server-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-pkix-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-compress-1.21.jar:/usr/local/hadoop/share/hadoop/common/lib/httpcore-4.4.13.jar:/usr/local/hadoop/share/hadoop/common/lib/jul-to-slf4j-1.7.35.jar:/usr/local/hadoop/share/hadoop/common/lib/jsr305-3.0.2.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-math3-3.1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-admin-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/curator-recipes-2.13.0.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-util-ajax-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-codec-1.11.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-io-2.8.0.jar:/usr/local/hadoop/share/hadoop/common/lib/avro-1.7.7.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-asn1-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-lang3-3.7.jar:/usr/local/hadoop/share/hadoop/common/lib/json-smart-2.4.7.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-util-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jsr311-api-1.1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-simplekdc-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-jaxrs-1.9.13.jar:/usr/local/hadoop/share/hadoop/common/lib/jackson-core-2.10.5.jar:/usr/local/hadoop/share/hadoop/common/lib/kerby-xdr-1.0.1.jar:/usr/local/hadoop/share/hadoop/common/lib/jsch-0.1.55.jar:/usr/local/hadoop/share/hadoop/common/lib/jettison-1.1.jar:/usr/local/hadoop/share/hadoop/common/lib/protobuf-java-2.5.0.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-logging-1.1.3.jar:/usr/local/hadoop/share/hadoop/common/lib/animal-sniffer-annotations-1.17.jar:/usr/local/hadoop/share/hadoop/common/lib/error_prone_annotations-2.2.0.jar:/usr/local/hadoop/share/hadoop/common/lib/slf4j-api-1.7.35.jar:/usr/local/hadoop/share/hadoop/common/lib/audience-annotations-0.5.0.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-security-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-io-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common/lib/stax2-api-4.2.1.jar:

/usr/local/hadoop/share/hadoop/common/hadoop-common-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/common/hadoop-common-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/hadoop-kms-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/hadoop-nfs-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-client-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/hadoop-annotations-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-configuration2-2.1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-common-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-crypto-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/hadoop-auth-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jersey-core-1.19.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/listenablefuture-9999.0-empty-to-avoid-conflict-with-guava.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-xml-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jcip-annotations-1.0-1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/woodstox-core-5.3.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/gson-2.9.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/htrace-core4-4.1.0-incubating.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-collections-3.2.2.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/netty-3.10.6.Final.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/zookeeper-3.4.14.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jersey-server-1.19.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/paranamer-2.3.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/leveldbjni-all-1.8.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/javax.servlet-api-3.1.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-core-asl-1.9.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/json-simple-1.1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/javax.activation-api-1.2.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/guava-27.0-jre.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/asm-5.0.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/j2objc-annotations-1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/curator-framework-2.13.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/accessors-smart-2.4.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-server-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/re2j-1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-config-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-servlet-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-databind-2.10.5.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-beanutils-1.9.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/failureaccess-1.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-cli-1.2.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jersey-json-1.19.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-mapper-asl-1.9.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/dnsjava-2.1.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-xc-1.9.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jaxb-api-2.2.11.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/reload4j-1.2.18.3.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-util-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-core-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/httpclient-4.5.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/nimbus-jose-jwt-9.8.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/curator-client-2.13.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-text-1.4.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/netty-all-4.1.68.Final.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-annotations-2.10.5.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jaxb-impl-2.2.3-1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-util-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jersey-servlet-1.19.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-http-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-identity-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/spotbugs-annotations-3.1.9.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/checker-qual-2.5.2.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-webapp-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/token-provider-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/snappy-java-1.0.5.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-net-3.6.jar:/usr/local/hadoop/share/hadoop/hdfs/li

b/kerb-server-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-pkix-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-compress-1.21.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/httpcore-4.4.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jsr305-3.0.2.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-math3-3.1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-admin-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-daemon-1.0.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/curator-recipes-2.13.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-util-ajax-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-codec-1.11.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-io-2.8.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/avro-1.7.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-asn1-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-lang3-3.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/json-smart-2.4.7.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-util-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jsr311-api-1.1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerb-simplekdc-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-jaxrs-1.9.13.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/okio-1.6.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jackson-core-2.10.5.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/kerby-xdr-1.0.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jsch-0.1.55.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jettison-1.1.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/protobuf-java-2.5.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/commons-logging-1.1.3.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/animal-sniffer-annotations-1.17.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/error_prone_annotations-2.2.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/audience-annotations-0.5.0.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-security-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/okhttp-2.7.5.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/jetty-io-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/hdfs/lib/stax2-api-4.2.1.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-client-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-client-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-rbf-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-native-client-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-native-client-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-httpfs-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-rbf-3.2.4.jar:/usr/local/hadoop/share/hadoop/hdfs/hadoop-hdfs-nfs-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/lib/junit-4.13.2.jar:/usr/local/hadoop/share/hadoop/mapreduce/lib/hamcrest-core-1.3.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-core-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-app-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-examples-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-uploader-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-shuffle-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-common-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-hs-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-hs-plugins-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-nativetask-3.2.4.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-jobclient-3.2.4-tests.jar:/usr/local/hadoop/share/hadoop/mapreduce/hadoop-mapreduce-client-jobclient-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn:/usr/local/hadoop/share/hadoop/yarn/lib/jersey-guice-1.19.jar:/usr/local/hadoop/share/hadoop/yarn/lib/swagger-annotations-1.5.4.jar:/usr/local/hadoop/share/hadoop/yarn/lib/json-io-2.5.1.jar:/usr/local/hadoop/share/hadoop/yarn/lib/HikariCP-java7-2.4.12.jar:/usr/local/hadoop/share/hadoop/yarn/lib/ehcache-3.3.1.jar:/usr/local/hadoop/share/hadoop/yarn/lib/bcpkix-jdk15on-1.60.jar:/usr/local/hadoo

p/share/hadoop/yarn/lib/jackson-jaxrs-json-provider-2.10.5.jar:/usr/local/hadoop/share/hadoop/yarn/lib/javax.inject-1.jar:/usr/local/hadoop/share/hadoop/yarn/lib/aopalliance-1.0.jar:/usr/local/hadoop/share/hadoop/yarn/lib/jakarta.xml.bind-api-2.3.2.jar:/usr/local/hadoop/share/hadoop/yarn/lib/metrics-core-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/lib/objenesis-1.0.jar:/usr/local/hadoop/share/hadoop/yarn/lib/snakeyaml-1.26.jar:/usr/local/hadoop/share/hadoop/yarn/lib/bcprov-jdk15on-1.60.jar:/usr/local/hadoop/share/hadoop/yarn/lib/jackson-module-jaxb-annotations-2.10.5.jar:/usr/local/hadoop/share/hadoop/yarn/lib/geronimo-jcache_1.0_spec-1.0-alpha-1.jar:/usr/local/hadoop/share/hadoop/yarn/lib/jackson-jaxrs-base-2.10.5.jar:/usr/local/hadoop/share/hadoop/yarn/lib/fst-2.50.jar:/usr/local/hadoop/share/hadoop/yarn/lib/mssql-jdbc-6.2.1.jre7.jar:/usr/local/hadoop/share/hadoop/yarn/lib/guice-4.0.jar:/usr/local/hadoop/share/hadoop/yarn/lib/java-util-1.9.0.jar:/usr/local/hadoop/share/hadoop/yarn/lib/jersey-client-1.19.jar:/usr/local/hadoop/share/hadoop/yarn/lib/guice-servlet-4.0.jar:/usr/local/hadoop/share/hadoop/yarn/lib/jakarta.activation-api-1.2.1.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-applications-unmanaged-am-launcher-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-tests-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-services-core-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-services-api-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-api-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-nodemanager-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-router-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-sharedcachemanager-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-client-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-submarine-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-timeline-pluginstorage-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-common-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-resourcemanager-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-applicationhistoryservice-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-registry-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-common-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-server-web-proxy-3.2.4.jar:/usr/local/hadoop/share/hadoop/yarn/hadoop-yarn-applications-distributedshell-3.2.4.jar

STARTUP_MSG:    build = Unknown -r 7e5d9983b388e372fe640f21f048f2f2ae6e9eba; compiled by 'ubuntu' on 2022-07-12T11:58Z

STARTUP_MSG:    java = 1.8.0_362

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2024-10-24 00:29:17,300 INFO namenode.NameNode: registered UNIX signal handlers for [TERM, HUP, INT]

2024-10-24 00:29:17,370 INFO namenode.NameNode: createNameNode [-format]

2024-10-24 00:29:17,662 INFO common.Util: Assuming 'file' scheme for path /usr/local/hadoop/hd-data/nn in configuration.

2024-10-24 00:29:17,663 INFO common.Util: Assuming 'file' scheme for path /usr/local/hadoop/hd-data/nn in configuration.

Formatting using clusterid: CID-1564608a-b0b1-4f7a-a809-b7d094635409

2024-10-24 00:29:17,728 INFO namenode.FSEditLog: Edit logging is async:true

2024-10-24 00:29:17,748 INFO namenode.FSNamesystem: KeyProvider: null

2024-10-24 00:29:17,750 INFO namenode.FSNamesystem: fsLock is fair: true

2024-10-24 00:29:17,751 INFO namenode.FSNamesystem: Detailed lock hold time metrics enabled: false

2024-10-24 00:29:17,756 INFO namenode.FSNamesystem: fsOwner                = hduser (auth:SIMPLE)

2024-10-24 00:29:17,757 INFO namenode.FSNamesystem: supergroup               = supergroup

2024-10-24 00:29:17,758 INFO namenode.FSNamesystem: isPermissionEnabled = true

2024-10-24 00:29:17,759 INFO namenode.FSNamesystem: HA Enabled: false

2024-10-24 00:29:17,799 INFO common.Util: dfs.datanode.fileio.profiling.sampling.percentage set to 0. Disabling file IO profiling

2024-10-24 00:29:17,806 INFO blockmanagement.DatanodeManager: dfs.block.invalidate.limit: configured=1000, counted=60, effected=1000

2024-10-24 00:29:17,808 INFO blockmanagement.DatanodeManager: dfs.namenode.datanode.registration.ip-hostname-check=true

2024-10-24 00:29:17,812 INFO blockmanagement.BlockManager: dfs.namenode.startup.delay.block.deletion.sec is set to 000:00:00:00.000

2024-10-24 00:29:17,814 INFO blockmanagement.BlockManager: The block deletion will start around 2024 Oct 24 00:29:17

2024-10-24 00:29:17,815 INFO util.GSet: Computing capacity for map BlocksMap

2024-10-24 00:29:17,815 INFO util.GSet: VM type           = 64-bit

2024-10-24 00:29:17,816 INFO util.GSet: 2.0% max memory 814.5 MB = 16.3 MB

2024-10-24 00:29:17,816 INFO util.GSet: capacity          = 2^21 = 2097152 entries

2024-10-24 00:29:17,822 INFO blockmanagement.BlockManager: Storage policy satisfier is disabled

2024-10-24 00:29:17,823 INFO blockmanagement.BlockManager: dfs.block.access.token.enable = false

2024-10-24 00:29:17,827 INFO blockmanagement.BlockManagerSafeMode: dfs.namenode.safemode.threshold-pct = 0.9990000128746033

2024-10-24 00:29:17,828 INFO blockmanagement.BlockManagerSafeMode:

dfs.namenode.safemode.min.datanodes = 0

2024-10-24 00:29:17,828 INFO blockmanagement.BlockManagerSafeMode: dfs.namenode.safemode.extension = 30000

2024-10-24 00:29:17,828 INFO blockmanagement.BlockManager: defaultReplication         = 3

2024-10-24 00:29:17,828 INFO blockmanagement.BlockManager: maxReplication              = 512

2024-10-24 00:29:17,828 INFO blockmanagement.BlockManager: minReplication              = 1

2024-10-24 00:29:17,828 INFO blockmanagement.BlockManager: maxReplicationStreams       = 2

2024-10-24 00:29:17,828 INFO blockmanagement.BlockManager: redundancyRecheckInterval   = 3000ms

2024-10-24 00:29:17,828 INFO blockmanagement.BlockManager: encryptDataTransfer         = false

2024-10-24 00:29:17,828 INFO blockmanagement.BlockManager: maxNumBlocksToLog           = 1000

2024-10-24 00:29:17,846 INFO namenode.FSDirectory: GLOBAL serial map: bits=29 maxEntries=536870911

2024-10-24 00:29:17,846 INFO namenode.FSDirectory: USER serial map: bits=24 maxEntries=16777215

2024-10-24 00:29:17,846 INFO namenode.FSDirectory: GROUP serial map: bits=24 maxEntries=16777215

2024-10-24 00:29:17,846 INFO namenode.FSDirectory: XATTR serial map: bits=24 maxEntries=16777215

2024-10-24 00:29:17,861 INFO util.GSet: Computing capacity for map INodeMap

2024-10-24 00:29:17,862 INFO util.GSet: VM type           = 64-bit

2024-10-24 00:29:17,862 INFO util.GSet: 1.0% max memory 814.5 MB = 8.1 MB

2024-10-24 00:29:17,862 INFO util.GSet: capacity          = 2^20 = 1048576 entries

2024-10-24 00:29:17,862 INFO namenode.FSDirectory: ACLs enabled? false

2024-10-24 00:29:17,862 INFO namenode.FSDirectory: POSIX ACL inheritance enabled? true

2024-10-24 00:29:17,863 INFO namenode.FSDirectory: XAttrs enabled? true

2024-10-24 00:29:17,863 INFO namenode.NameNode: Caching file names occurring more than 10 times

2024-10-24 00:29:17,866 INFO snapshot.SnapshotManager: Loaded config captureOpenFiles: false, skipCaptureAccessTimeOnlyChange: false, snapshotDiffAllowSnapRootDescendant: true, maxSnapshotLimit: 65536

2024-10-24 00:29:17,873 INFO snapshot.SnapshotManager: SkipList is disabled

2024-10-24 00:29:17,876 INFO util.GSet: Computing capacity for map cachedBlocks

2024-10-24 00:29:17,876 INFO util.GSet: VM type           = 64-bit

2024-10-24 00:29:17,876 INFO util.GSet: 0.25% max memory 814.5 MB = 2.0 MB

2024-10-24 00:29:17,876 INFO util.GSet: capacity           = 2^18 = 262144 entries

2024-10-24 00:29:17,890 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.window.num.buckets = 10

2024-10-24 00:29:17,890 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.num.users = 10

2024-10-24 00:29:17,890 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.windows.minutes = 1,5,25

2024-10-24 00:29:17,895 INFO namenode.FSNamesystem: Retry cache on namenode is enabled

2024-10-24 00:29:17,896 INFO namenode.FSNamesystem: Retry cache will use 0.03 of total heap and retry cache entry expiry time is 600000 millis

2024-10-24 00:29:17,897 INFO util.GSet: Computing capacity for map NameNodeRetryCache

2024-10-24 00:29:17,897 INFO util.GSet: VM type           = 64-bit

2024-10-24 00:29:17,897 INFO util.GSet: 0.029999999329447746% max memory 814.5 MB = 250.2 KB

2024-10-24 00:29:17,897 INFO util.GSet: capacity           = 2^15 = 32768 entries

Re-format filesystem in Storage Directory root= /usr/local/hadoop/hd-data/nn; location= null ? (Y or N) y

2024-10-24 00:29:20,599 INFO namenode.FSImage: Allocated new BlockPoolId: BP-308926523-192.168.56.115-1729744160592

2024-10-24 00:29:20,599 INFO common.Storage: Will remove files: [/usr/local/hadoop/hd-data/nn/current/VERSION, /usr/local/hadoop/hd-data/nn/current/seen_txid, /usr/local/hadoop/hd-data/nn/current/fsimage_0000000000000000000.md5, /usr/local/hadoop/hd-data/nn/current/fsimage_0000000000000000000]

2024-10-24 00:29:20,616 INFO common.Storage: Storage directory /usr/local/hadoop/hd-data/nn has been successfully formatted.

2024-10-24 00:29:20,637 INFO namenode.FSImageFormatProtobuf: Saving image file /usr/local/hadoop/hd-data/nn/current/fsimage.ckpt_0000000000000000000 using no compression

2024-10-24 00:29:20,695 INFO namenode.FSImageFormatProtobuf: Image file /usr/local/hadoop/hd-data/nn/current/fsimage.ckpt_0000000000000000000 of size 401 bytes saved in 0

seconds .

2024-10-24 00:29:20,707 INFO namenode.NNStorageRetentionManager: Going to retain 1 images with txid >= 0

2024-10-24 00:29:20,725 INFO namenode.FSNamesystem: Stopping services started for active state

2024-10-24 00:29:20,727 INFO namenode.FSNamesystem: Stopping services started for standby state

2024-10-24 00:29:20,731 INFO namenode.FSImage: FSImageSaver clean checkpoint: txid=0 when meet shutdown.

2024-10-24 00:29:20,732 INFO namenode.NameNode: SHUTDOWN_MSG:

/*****************************************************

SHUTDOWN_MSG: Shutting down NameNode at manager/192.168.56.115

*****************************************************/

[hduser@manager ~]$ start-all.sh

WARNING: Attempting to start all Apache Hadoop daemons as hduser in 10 seconds.

WARNING: This is not a recommended production deployment configuration.

WARNING: Use CTRL-C to abort.

Starting namenodes on [manager]

manager: ERROR: Cannot set priority of namenode process 5795

Starting datanodes

node2: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node2: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node2: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

node1: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node1: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node1: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

node3: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node3: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node3: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

Starting secondary namenodes [manager]

manager: ERROR: Cannot set priority of secondarynamenode process 6073

Starting resourcemanager

Starting nodemanagers

jpnode2: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node2: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node2: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

node3: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node3: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node3: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

node1: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node1: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node1: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

[hduser@manager ~]$ jps

6385 NodeManager

6729 Jps

6251 ResourceManager

[hduser@manager ~]$ cd /usr/local/hadoop/logs/

[hduser@manager logs]$ ls

hadoop-hduser-datanode-manager.log      hadoop-hduser-nodemanager-manager.log
hadoop-hduser-secondarynamenode-manager.log

hadoop-hduser-datanode-manager.out      hadoop-hduser-nodemanager-manager.out
hadoop-hduser-secondarynamenode-manager.out

hadoop-hduser-datanode-manager.out.1    hadoop-hduser-nodemanager-manager.out.1
hadoop-hduser-secondarynamenode-manager.out.1

hadoop-hduser-namenode-manager.log      hadoop-hduser-resourcemanager-manager.log
SecurityAuth-hduser.audit

hadoop-hduser-namenode-manager.out      hadoop-hduser-resourcemanager-manager.out

userlogs

hadoop-hduser-namenode-manager.out.1    hadoop-hduser-resourcemanager-manager.out.1

[hduser@manager logs]$ sudo hadoop-hduser-datanode-manager.log

sudo: hadoop-hduser-datanode-manager.log: command not found

[hduser@manager logs]$ sudo nano hadoop-hduser-datanode-manager.log

[hduser@manager logs]$ cd

[hduser@manager ~]$ ssh node1

Last login: Thu Oct 24 00:28:04 2024 from 192.168.56.115

[hduser@node1 ~]$ jps

4195 Jps

[hduser@node1 ~]$ hdfs --dameon start namenode

/usr/local/hadoop/libexec/hadoop-functions.sh: line 2366: HDFS_--DAMEON_USER: invalid variable name

ERROR: --dameon is not COMMAND nor fully qualified CLASSNAME.

Usage: hdfs [OPTIONS] SUBCOMMAND [SUBCOMMAND OPTIONS]


   OPTIONS is none or any of:


--buildpaths                              attempt to add class files from build tree

--config dir                        Hadoop config directory

--daemon (start|status|stop)        operate on a daemon

--debug                              turn on shell script debug mode

--help                              usage information

--hostnames list[,of,host,names]    hosts to use in worker mode

--hosts filename                    list of hosts to use in worker mode

--loglevel level                    set the log4j level for this command

--workers                              turn on worker mode

    SUBCOMMAND is one of:

       Admin Commands:

cacheadmin              configure the HDFS cache

crypto                  configure HDFS encryption zones

debug                   run a Debug Admin to execute HDFS debug commands

dfsadmin                run a DFS admin client

dfsrouteradmin          manage Router-based federation

ec                      run a HDFS ErasureCoding CLI

fsck                    run a DFS filesystem checking utility

haadmin                 run a DFS HA admin client

jmxget                  get JMX exported values from NameNode or DataNode.

oev                     apply the offline edits viewer to an edits file

oiv                     apply the offline fsimage viewer to an fsimage

oiv_legacy              apply the offline fsimage viewer to a legacy fsimage

storagepolicies         list/get/set/satisfyStoragePolicy block storage policies

       Client Commands:

classpath               prints the class path needed to get the hadoop jar and the required libraries

dfs                     run a filesystem command on the file system

envvars                 display computed Hadoop environment variables

fetchdt                        fetch a delegation token from the NameNode

getconf                         get config values from configuration

groups                          get the groups which users belong to

lsSnapshottableDir      list all snapshottable dirs owned by the current user

snapshotDiff                   diff two snapshots of a directory or diff the current directory contents with a
snapshot

version                         print the version


Daemon Commands:


balancer                        run a cluster balancing utility

datanode                         run a DFS datanode

dfsrouter                       run the DFS router

diskbalancer                    Distributes data evenly among disks on a given node

httpfs                          run HttpFS server, the HDFS HTTP Gateway

journalnode                     run the DFS journalnode

mover                            run a utility to move block replicas across storage types

namenode                         run the DFS namenode

nfs3                            run an NFS version 3 gateway

portmap                          run a portmap service

secondarynamenode        run the DFS secondary namenode

sps                             run external storagepolicysatisfier

zkfc                            run the ZK Failover Controller daemon


SUBCOMMAND may print help when invoked w/o parameters or with -h.

[hduser@node1 ~]$ hdfs --dameon start datanode

/usr/local/hadoop/libexec/hadoop-functions.sh: line 2366: HDFS_--DAMEON_USER: invalid variable name

ERROR: --dameon is not COMMAND nor fully qualified CLASSNAME.

Usage: hdfs [OPTIONS] SUBCOMMAND [SUBCOMMAND OPTIONS]

   OPTIONS is none or any of:

--buildpaths                                  attempt to add class files from build tree

--config dir                            Hadoop config directory

--daemon (start|status|stop)        operate on a daemon

--debug                               turn on shell script debug mode

--help                               usage information

--hostnames list[,of,host,names]    hosts to use in worker mode

--hosts filename                    list of hosts to use in worker mode

--loglevel level                 set the log4j level for this command

--workers                          turn on worker mode

   SUBCOMMAND is one of:

    Admin Commands:

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dfsrouteradmin          manage Router-based federation

ec                            run a HDFS ErasureCoding CLI

fsck                          run a DFS filesystem checking utility

haadmin                     run a DFS HA admin client

jmxget                      get JMX exported values from NameNode or DataNode.

oev                          apply the offline edits viewer to an edits file

oiv                          apply the offline fsimage viewer to an fsimage

oiv_legacy              apply the offline fsimage viewer to a legacy fsimage

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    Client Commands:


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namenode                run the DFS namenode

nfs3                    run an NFS version 3 gateway

portmap                 run a portmap service

secondarynamenode       run the DFS secondary namenode

sps                     run external storagepolicysatisfier

zkfc                    run the ZK Failover Controller daemon


SUBCOMMAND may print help when invoked w/o parameters or with -h.

[hduser@node1 ~]$ hdfs --daemon start datanode

WARNING: /usr/local/hadoop/logs does not exist. Creating.

mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

[hduser@node1 ~]$ ls

Desktop    Documents    Downloads    hadoop-3.2.4    hadoop.tar.gz    Music    Pictures    Public
Templates    Videos

[hduser@node1 ~]$ sudo chown -R hduser:hduser /usr/local/hadoop

sudo chmod 755 -R /usr/local/hadoop

[hduser@node1 ~]$ hdfs --daemon start datanode

WARNING: /usr/local/hadoop/logs does not exist. Creating.

[hduser@node1 ~]$ cd /usr

```
[hduser@node1 usr]$ ls

bin   games   include   lib   lib64   libexec   local   sbin   share   src   tmp

[hduser@node1 usr]$ cd local

[hduser@node1 local]$ ls

bin   etc   games   hadoop   include   lib   lib64   libexec   sbin   share   src

[hduser@node1 local]$ cd hadoop

[hduser@node1 hadoop]$ ls

bin   etc   include   lib   libexec   LICENSE.txt   logs   NOTICE.txt   README.txt   sbin   share

[hduser@node1 hadoop]$ cd etc

[hduser@node1 etc]$ cd hadoop/

[hduser@node1 hadoop]$ ls

capacity-scheduler.xml        hadoop-policy.xml                     kms-acls.xml
mapred-queues.xml.template        yarn-env.cmd

configuration.xsl                hadoop-user-functions.sh.example   kms-env.sh
mapred-site.xml                      yarn-env.sh

container-executor.cfg        hdfs-site.xml                         kms-log4j.properties
shellprofile.d                    yarnservice-log4j.properties

core-site.xml                    httpfs-env.sh                        kms-site.xml
ssl-client.xml.example            yarn-site.xml

hadoop-env.cmd                        httpfs-log4j.properties              log4j.properties
ssl-server.xml.example

hadoop-env.sh                        httpfs-signature.secret              mapred-env.cmd
user_ec_policies.xml.template

hadoop-metrics2.properties   httpfs-site.xml                         mapred-env.sh          workers

[hduser@node1 hadoop]$ cd

[hduser@node1 ~]$ start-all.sh
```

WARNING: Attempting to start all Apache Hadoop daemons as hduser in 10 seconds.

WARNING: This is not a recommended production deployment configuration.

WARNING: Use CTRL-C to abort.

Starting namenodes on [node1]

node1: Warning: Permanently added 'node1' (ED25519) to the list of known hosts.

node1: ERROR: Cannot set priority of namenode process 4794

Starting datanodes

Starting secondary namenodes [node1]

node1: ERROR: Cannot set priority of secondarynamenode process 5065

Starting resourcemanager

Starting nodemanagers

[hduser@node1 ~]$ jps

5495 Jps

5343 NodeManager

[hduser@node1 ~]$ hdfs --daemon start datanode

[hduser@node1 ~]$ jps

5580 Jps

5343 NodeManager

[hduser@node1 ~]$ yarn --daemon start namenode

ERROR: namenode is not COMMAND nor fully qualified CLASSNAME.

Usage: yarn [OPTIONS] SUBCOMMAND [SUBCOMMAND OPTIONS]

  or     yarn [OPTIONS] CLASSNAME [CLASSNAME OPTIONS]

   where CLASSNAME is a user-provided Java class


   OPTIONS is none or any of:


--buildpaths                              attempt to add class files from build tree

--config dir                          Hadoop config directory

--daemon (start|status|stop)          operate on a daemon

--debug                                turn on shell script debug mode

--help                                 usage information

--hostnames list[,of,host,names]     hosts to use in worker mode

--hosts filename                       list of hosts to use in worker mode

--loglevel level                       set the log4j level for this command

--workers                              turn on worker mode


   SUBCOMMAND is one of:



       Admin Commands:



daemonlog                get/set the log level for each daemon

node                     prints node report(s)

rmadmin                   admin tools

scmadmin                 SharedCacheManager admin tools



       Client Commands:



app|application          prints application(s) report/kill application/manage long running application

applicationattempt     prints applicationattempt(s) report

classpath                prints the class path needed to get the hadoop jar and the required libraries

cluster                  prints cluster information

container                prints container(s) report

envvars                   display computed Hadoop environment variables

```
jar <jar>              run a jar file

logs                      dump container logs

nodeattributes         node attributes cli client

queue                     prints queue information

schedulerconf          Updates scheduler configuration

timelinereader         run the timeline reader server

top                        view cluster information

version                    print the version


      Daemon Commands:


nodemanager             run a nodemanager on each worker

proxyserver              run the web app proxy server

registrydns             run the registry DNS server

resourcemanager         run the ResourceManager

router                    run the Router daemon

sharedcachemanager      run the SharedCacheManager daemon

timelineserver          run the timeline server


SUBCOMMAND may print help when invoked w/o parameters or with -h.

[hduser@node1 ~]$ yarn --daemon start namenode

ERROR: namenode is not COMMAND nor fully qualified CLASSNAME.

Usage: yarn [OPTIONS] SUBCOMMAND [SUBCOMMAND OPTIONS]

  or      yarn [OPTIONS] CLASSNAME [CLASSNAME OPTIONS]

    where CLASSNAME is a user-provided Java class
```

OPTIONS is none or any of:

--buildpaths                          attempt to add class files from build tree

--config dir                          Hadoop config directory

--daemon (start|status|stop)          operate on a daemon

--debug                               turn on shell script debug mode

--help                                usage information

--hostnames list[,of,host,names]      hosts to use in worker mode

--hosts filename                      list of hosts to use in worker mode

--loglevel level                      set the log4j level for this command

--workers                             turn on worker mode


SUBCOMMAND is one of:


Admin Commands:


daemonlog                get/set the log level for each daemon

node                     prints node report(s)

rmadmin                  admin tools

scmadmin                 SharedCacheManager admin tools


Client Commands:


app|application          prints application(s) report/kill application/manage long running application

applicationattempt       prints applicationattempt(s) report

classpath                    prints the class path needed to get the hadoop jar and the required libraries

cluster                      prints cluster information

container                    prints container(s) report

envvars                      display computed Hadoop environment variables

jar <jar>                    run a jar file

logs                         dump container logs

nodeattributes               node attributes cli client

queue                        prints queue information

schedulerconf                Updates scheduler configuration

timelinereader               run the timeline reader server

top                          view cluster information

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    Daemon Commands:


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registrydns                  run the registry DNS server

resourcemanager              run the ResourceManager

router                       run the Router daemon

sharedcachemanager           run the SharedCacheManager daemon

timelineserver               run the timeline server


SUBCOMMAND may print help when invoked w/o parameters or with -h.

[hduser@node1 ~]$ jps

5894 Jps

5343 NodeManager

[hduser@node1 ~]$ exit

logout

Connection to node1 closed.

[hduser@manager ~]$ start-all.sh

WARNING: Attempting to start all Apache Hadoop daemons as hduser in 10 seconds.

WARNING: This is not a recommended production deployment configuration.

WARNING: Use CTRL-C to abort.

Starting namenodes on [manager]

manager: ERROR: Cannot set priority of namenode process 6919

Starting datanodes

node2: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node2: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node2: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

node3: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node3: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node3: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

Starting secondary namenodes [manager]

manager: ERROR: Cannot set priority of secondarynamenode process 7205

Starting resourcemanager

resourcemanager is running as process 6251.    Stop it first and ensure /tmp/hadoop-hduser-resourcemanager.pid file is empty before retry.

Starting nodemanagers

node3: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node3: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node3: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

node2: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node2: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node2: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

localhost: nodemanager is running as process 6385.    Stop it first and ensure /tmp/hadoop-hduser-nodemanager.pid file is empty before retry.

node1: nodemanager is running as process 5343.    Stop it first and ensure /tmp/hadoop-hduser-nodemanager.pid file is empty before retry.

[hduser@manager ~]$ jps

7504 Jps

6385 NodeManager

6251 ResourceManager

[hduser@manager ~]$

[hduser@manager ~]$ jps

6385 NodeManager

7530 Jps

6251 ResourceManager

[hduser@manager ~]$ jps

6385 NodeManager

7542 Jps

6251 ResourceManager

[hduser@manager ~]$ stop-all.sh

WARNING: Stopping all Apache Hadoop daemons as hduser in 10 seconds.

WARNING: Use CTRL-C to abort.

Stopping namenodes on [manager]

Stopping datanodes

Stopping secondary namenodes [manager]

Stopping nodemanagers

node1: WARNING: nodemanager did not stop gracefully after 5 seconds: Trying to kill with kill -9

Stopping resourcemanager

[hduser@manager ~]$ start-all.sh

WARNING: Attempting to start all Apache Hadoop daemons as hduser in 10 seconds.

WARNING: This is not a recommended production deployment configuration.

WARNING: Use CTRL-C to abort.

Starting namenodes on [manager]

manager: ERROR: Cannot set priority of namenode process 8268

Starting datanodes

node2: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node2: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node2: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

node3: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node3: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node3: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

Starting secondary namenodes [manager]

manager: ERROR: Cannot set priority of secondarynamenode process 8550

Starting resourcemanager

Starting nodemanagers

node3: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node3: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node3: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

node2: WARNING: /usr/local/hadoop/logs does not exist. Creating.

node2: mkdir: cannot create directory '/usr/local/hadoop/logs': Permission denied

node2: ERROR: Unable to create /usr/local/hadoop/logs. Aborting.

[hduser@manager ~]$ jps

```
8882 NodeManager

9210 Jps

8731 ResourceManager

[hduser@manager ~]$ ls -all

total 480868

drwx------. 16 hduser hduser         4096 Oct 23 22:12 .

drwxr-xr-x.   5 root     root              50 Oct 23 21:40 ..

-rw-------.    1 hduser hduser         1656 Oct 24 00:17 .bash_history

-rw-r--r--.    1 hduser hduser             18 Feb 15    2024 .bash_logout

-rw-r--r--.    1 hduser hduser            141 Feb 15    2024 .bash_profile

-rw-r--r--.    1 hduser hduser         1091 Oct 24 00:22 .bashrc

drwx------.    8 hduser hduser         4096 Oct 23 22:06 .cache

drwx------.    8 hduser hduser         4096 Oct 23 22:06 .config

drwxr-xr-x.    2 hduser hduser               6 Oct 23 22:05 Desktop

drwxr-xr-x.    2 hduser hduser               6 Oct 23 22:05 Documents

drwxr-xr-x.    2 hduser hduser               6 Oct 23 22:05 Downloads

drwxr-xr-x.    2 hduser hduser               6 Oct 23 21:57 hadoop-3.2.4

-rw-r--r--.    1 hduser hduser 492368219 Jul 21    2022 hadoop.tar.gz

drwx------.    4 hduser hduser             32 Oct 23 22:05 .local

drwxr-xr-x.    4 hduser hduser             39 Apr 25    2022 .mozilla

drwxr-xr-x.    2 hduser hduser               6 Oct 23 22:05 Music

drwxr-xr-x.    2 hduser hduser               6 Oct 23 22:05 Pictures

drwxr-xr-x.    2 hduser hduser               6 Oct 23 22:05 Public

drwx------.    2 hduser hduser            103 Oct 23 21:54 .ssh

drwxr-xr-x.    2 hduser hduser               6 Oct 23 22:05 Templates

drwxr-xr-x.    2 hduser hduser               6 Oct 23 22:05 Videos
```

-rw-------.    1 hduser hduser         65 Oct 23 22:12 .xauthlxh47X

-rw-------.    1 hduser hduser        130 Oct 23 21:42 .xauthpYRDmR

[hduser@manager ~]$ jps

8882 NodeManager

9224 Jps

8731 ResourceManager

[hduser@manager ~]$ jps

8882 NodeManager

9236 Jps

8731 ResourceManager

[hduser@manager ~]$

[hduser@manager ~]$

[hduser@manager ~]$ jps

9248 Jps

8882 NodeManager

8731 ResourceManager

[hduser@manager ~]$ history

    1   sudo hostnamectl set-hostname manager

    2   sudo hostname manager

    3   sudo nano /etc/hosts

    4   ifconfig

    5   sudo nano /etc/hosts

    6   sudo hostname manager

    7   exit

    8   clear

    9   ssh node1

```
10   ssh node3

11   clear

12   cd /usr/local/hadoop/

13   ls

14   cd etc

15   cd hadoop/

16   ls

17   sudo nano hadoop-env.sh

18   mv hadoop-env.sh etc/hadoop

19   lsit

20   list

21   ls

22   sudo nano core-site.xml

23   scp core-site.xml node1:/usr/local/hadoop/etc/hadoop/

24   scp core-site.xml node2:/usr/local/hadoop/etc/hadoop/

25   scp core-site.xml node3:/usr/local/hadoop/etc/hadoop/

26   sudo nano hdfs-site.xml

27   ssh node1

28   sudo nano hdfs-site.xml

29   sudo nano yarn-site.xml

30   sudo workers

31   sudo nano workers

32   sudo nano core-site.xml

33   sudo nano yarn-site.xml

34   ssh node1

35   scp core-site.xml node1:/usr/local/hadoop/etc/hadoop/
```

36  scp core-site.xml node2:/usr/local/hadoop/etc/hadoop/

37  scp core-site.xml node3:/usr/local/hadoop/etc/hadoop/

38  scp yarn-site.xml node3:/usr/local/hadoop/etc/hadoop/

39  scp yarn-site.xml node2:/usr/local/hadoop/etc/hadoop/

40  scp yarn-site.xml node1:/usr/local/hadoop/etc/hadoop/

41  sudo nano mapred-site.xml

42  scp mapred-site.xml node1:/usr/local/hadoop/etc/hadoop/

43  scp mapred-site.xml node2:/usr/local/hadoop/etc/hadoop/

44  scp mapred-site.xml node3:/usr/local/hadoop/etc/hadoop/

45  sudo workers

46  sudo nano workers

47  sudo nano hdfs-site.xml

48  node1

49  ssh node1

50  ssh node2

51  ssh node3

52  ssh node1

53  ssh node2

54  jps

55  sudo namenode -format

56  start-all.sh

57  cd

58  sudo namenode -format

59  jps

60  hdfs namenode -format

61  hdfs dfs namenode -format

| | |
|---|---|
| 62 | sudo chown -R hduser:hduser /usr/local/hadoop |
| 63 | sudo chmod 755 -R /usr/local/hadoop |
| 64 | hdfs dfs namenode -format |
| 65 | hdfs namenode -format |
| 66 | jps |
| 67 | sudo nano .bashrc |
| 68 | source .bashrc |
| 69 | hdfs namenode -format |
| 70 | sudo nano .bashrc |
| 71 | hdfs namenode -format |
| 72 | cd /usr/ |
| 73 | ls |
| 74 | cd lib |
| 75 | cd jvm |
| 76 | ls |
| 77 | exit |
| 78 | sudo nano .bashrc |
| 79 | hdfs dfs namenode -format |
| 80 | cd usr |
| 81 | cd /usr |
| 82 | cd /lib/jvm |
| 83 | ls |
| 84 | pwd |
| 85 | cd |
| 86 | sudo find / -name java |
| 87 | sudo nano .bashrc |

```
88    hdfs dfs namenode -format

89    sudo nano .bashrc

90    source .bashrc

91    hdfs dfs namenode -format

92    hdfs namenode -format

93    jps

94    start-all.sh

95    cat .bashrc

96    ssh node1

97    ssh node2

98    ssh node3

99    stop-all.sh

100   jps

101   ssh node1

102   ssh node2

103   ssh node3

104   hdfs namenode -format

105   start-all.sh

106   jps

107   cd /usr/local/hadoop/logs/

108   ls

109   sudo hadoop-hduser-datanode-manager.log

110   sudo nano hadoop-hduser-datanode-manager.log

111   cd

112   ssh node1

113   start-all.sh
```

```
114    jps

115    stop-all.sh

116    start-all.sh

117    jps

118    ls -all

119    jps

120    history

121    cd /usr/local/hadoop/logs

122    ls

123    tail -30 hadoop-hduser-namenode-manager.log

124    clear

125    cd ..

126    cd etc/hadoop

127    nano core-site.xml

128    start-all.sh

129    stop-all.sh

130    start-all.sh

131    jsp

132    jps

133    cd

134    ssh node1

135    ssh node2

136    ssh node3

137    history
```

[hduser@manager ~]$

----------------------------------

node1

```
   exit
     2   ls
     3   cd /usr/local/hadoop/etc/hadoop/
     4   sudo nano hdfs-site.xml
     5   cat nano hdfs-site.xml
     6   sudo nano core-site.xml
     7   sudo nano hdfs-site.xml
     8   exit
     9   cd /usr/local/hadoop/etc/hadoop/
    10   sudo nano core-site.xml
    11   scp core-site.xml node2:/usr/local/hadoop/etc/hadoop/       -----copy file manager tonode2
    12   cat core-site.xml
```

13  exit

14  sudo nano /usr/local/hadoop/etc/hadoop/

15  cd /usr/local/hadoop/etc/hadoop/

16  sudo nano hdfs-site.xml

17  ssh node2

18  exit

19  cd /usr/local/hadoop/etc/hadoop/

20  sudo nano hdfs-site.xml

21  exit

22  sudo nano .bashrc

23  exit

24  source .bashrc

25  exit

26  jps

27  hdfs --dameon start namenode

28  hdfs --dameon start datanode

29  hdfs --daemon start datanode

30  ls

31  sudo chown -R hduser:hduser /usr/local/hadoop

32  sudo chmod 755 -R /usr/local/hadoop

33  hdfs --daemon start datanode

34  cd /usr

35  ls

36  cd local

37  ls

38  cd hadoop

| 39 | ls |
|---|---|
| 40 | cd etc |
| 41 | cd hadoop/ |
| 42 | ls |
| 43 | cd |
| 44 | start-all.sh |
| 45 | jps |
| 46 | hdfs --daemon start datanode |
| 47 | jps |
| 48 | yarn --daemon start namenode |
| 49 | jps |
| 50 | exit |
| 51 | history |

----------------------------------------

node2

| 1 | exit |
|---|---|
| 2 | cd /usr/local/hadoop/etc/hadoop/ |
| 3 | sudo nano hdfs-site.xml |
| 4 | exit |
| 5 | cd /usr/local/hadoop/etc/hadoop/ |
| 6 | sudo nano hdfs-site.xml |
| 7 | exit |
| 8 | sudo nano .bashrc |
| 9 | exit |

```
10   source .bashrc

11   exit

12   history
```

-----------------------------------------------

node3

[hduser@node3 ~]$ history

```
 1   exit

 2   cd /usr/local/hadoop/etc/hadoop/

 3   sudo nano hdfs-site.xml

 4   exit

 5   sudo nano .bashrc

 6   exit

 7   source .bashrc

 8   exit

 9   history
```