Exp No: 1

INSTALLATION OF HADOOP

SCREENSHOTS


```
Apache Hadoop Distribution    ×    +  ∨                                              —    □    ×
2024-08-13 22:24:48,714 INFO handler.ContextHandler: Stopped o.e.j.s.ServletContextHandler@47605f2f{logs,/logs,file:///D
:/Softwares/Hadoop/hadoop-3.4.0.tar/hadoop-3.4.0/logs/,STOPPED}
2024-08-13 22:24:48,727 INFO impl.MetricsSystemImpl: Stopping NameNode metrics system...
2024-08-13 22:24:48,727 INFO impl.MetricsSystemImpl: NameNode metrics system stopped.
2024-08-13 22:24:48,727 INFO impl.MetricsSystemImpl: NameNode metrics system shutdown complete.
2024-08-13 22:24:48,727 ERROR namenode.NameNode: Failed to start namenode.
org.apache.hadoop.hdfs.server.common.InconsistentFSStateException: Directory D:\hadoop-3.3.1\data\namenode is in an inco
nsistent state: storage directory does not exist or is not accessible.
        at org.apache.hadoop.hdfs.server.namenode.FSImage.recoverStorageDirs(FSImage.java:392)
        at org.apache.hadoop.hdfs.server.namenode.FSImage.recoverTransitionRead(FSImage.java:243)
        at org.apache.hadoop.hdfs.server.namenode.FSNamesystem.loadFSImage(FSNamesystem.java:1275)
        at org.apache.hadoop.hdfs.server.namenode.FSNamesystem.loadFromDisk(FSNamesystem.java:834)
        at org.apache.hadoop.hdfs.server.namenode.NameNode.loadNamesystem(NameNode.java:817)
        at org.apache.hadoop.hdfs.server.namenode.NameNode.initialize(NameNode.java:904)
        at org.apache.hadoop.hdfs.server.namenode.NameNode.<init>(NameNode.java:1158)
        at org.apache.hadoop.hdfs.server.namenode.NameNode.<init>(NameNode.java:1133)
        at org.apache.hadoop.hdfs.server.namenode.NameNode.createNameNode(NameNode.java:1906)
        at org.apache.hadoop.hdfs.server.namenode.NameNode.main(NameNode.java:1971)
2024-08-13 22:24:48,730 INFO util.ExitUtil: Exiting with status 1: org.apache.hadoop.hdfs.server.common.InconsistentFSSt
ateException: Directory D:\hadoop-3.3.1\data\namenode is in an inconsistent state: storage directory does not exist or i
s not accessible.
2024-08-13 22:24:48,730 INFO namenode.NameNode: SHUTDOWN_MSG:
/************************************************************
SHUTDOWN_MSG: Shutting down NameNode at DESKTOP-SBBT9TG/192.168.56.1
************************************************************/

D:\Softwares\Hadoop\hadoop-3.4.0.tar\hadoop-3.4.0\sbin>start-yarn.cmd
starting yarn daemons

D:\Softwares\Hadoop\hadoop-3.4.0.tar\hadoop-3.4.0\sbin>
```



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Apache Hadoop Distribution ·    ×    +  ∨                                            —    □    ×
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:25:54,318 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 8 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:25:57,344 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 9 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:25:59,367 WARN datanode.DataNode: Problem connecting to server: localhost/127.0.0.1:9000
2024-08-13 22:26:07,405 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 0 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:10,440 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 1 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:13,487 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 2 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:16,523 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 3 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:19,556 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 4 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:22,603 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 5 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:25,639 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 6 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:28,675 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 7 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:31,711 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 8 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:34,739 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 9 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
2024-08-13 22:26:36,757 WARN datanode.DataNode: Problem connecting to server: localhost/127.0.0.1:9000
2024-08-13 22:26:44,808 INFO ipc.Client: Retrying connect to server: localhost/127.0.0.1:9000. Already tried 0 time(s);
retry policy is RetryUpToMaximumCountWithFixedSleep(maxRetries=10, sleepTime=1000 MILLISECONDS)
```

Apache Hadoop Distribution — □ ×

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2024-08-13 22:25:34,931 INFO util.JvmPauseMonitor: Starting JVM pause monitor
2024-08-13 22:25:34,974 INFO ipc.CallQueueManager: Using callQueue: class java.util.concurrent.LinkedBlockingQueue, queu
eCapacity: 5000, scheduler: class org.apache.hadoop.ipc.DefaultRpcScheduler, ipcBackoff: false, ipcFailOver: false.
2024-08-13 22:25:34,980 INFO ipc.Server: Listener at 0.0.0.0:8030
2024-08-13 22:25:34,980 INFO ipc.Server: Starting Socket Reader #1 for port 8030
2024-08-13 22:25:34,989 INFO pb.RpcServerFactoryPBImpl: Adding protocol org.apache.hadoop.yarn.api.ApplicationMasterProt
ocolPB to the server
2024-08-13 22:25:34,989 INFO ipc.Server: IPC Server Responder: starting
2024-08-13 22:25:34,989 INFO ipc.Server: IPC Server listener on 8030: starting
2024-08-13 22:25:35,134 INFO ipc.CallQueueManager: Using callQueue: class java.util.concurrent.LinkedBlockingQueue, queu
eCapacity: 5000, scheduler: class org.apache.hadoop.ipc.DefaultRpcScheduler, ipcBackoff: false, ipcFailOver: false.
2024-08-13 22:25:35,134 INFO ipc.Server: Listener at 0.0.0.0:8032
2024-08-13 22:25:35,134 INFO ipc.Server: Starting Socket Reader #1 for port 8032
2024-08-13 22:25:35,147 INFO pb.RpcServerFactoryPBImpl: Adding protocol org.apache.hadoop.yarn.api.ApplicationClientProt
ocolPB to the server
2024-08-13 22:25:35,147 INFO ipc.Server: IPC Server Responder: starting
2024-08-13 22:25:35,147 INFO ipc.Server: IPC Server listener on 8032: starting
2024-08-13 22:25:36,299 INFO webproxy.ProxyCA: Created Certificate for OU=YARN-3fd21288-c809-4482-b2b1-c918b2ae3433
2024-08-13 22:25:36,380 INFO recovery.RMStateStore: Storing CA Certificate and Private Key
2024-08-13 22:25:36,380 INFO resourcemanager.ResourceManager: Transitioned to active state
2024-08-13 22:25:51,212 INFO resourcemanager.ResourceTrackerService: NodeManager from node DESKTOP-SBBT9TG(cmPort: 52991
 httpPort: 8042) registered with capability: <memory:8192, vCores:8>, assigned nodeId DESKTOP-SBBT9TG:52991
2024-08-13 22:25:51,222 INFO rmnode.RMNodeImpl: DESKTOP-SBBT9TG:52991 Node Transitioned from NEW to RUNNING
2024-08-13 22:25:51,244 INFO capacity.AbstractLeafQueue: LeafQueue: root.default update max app related, maxApplications
=10000, maxApplicationsPerUser=10000, Abs Cap:1.0, Cap: 1.0, MaxCap: 1.0
2024-08-13 22:25:51,244 INFO capacity.CapacityScheduler: Added node DESKTOP-SBBT9TG:52991 clusterResource: <memory:8192,
 vCores:8>
2024-08-13 22:25:51,244 INFO capacity.AbstractLeafQueue: LeafQueue: root.default update max app related, maxApplications
=10000, maxApplicationsPerUser=10000, Abs Cap:1.0, Cap: 1.0, MaxCap : 1.0
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Apache Hadoop Distribution — □ ×

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INFO: Registering org.apache.hadoop.yarn.server.nodemanager.webapp.JAXBContextResolver as a provider class
Aug 13, 2024 10:25:44 PM com.sun.jersey.server.impl.application.WebApplicationImpl _initiate
INFO: Initiating Jersey application, version 'Jersey: 1.19.4 05/24/2017 03:20 PM'
Aug 13, 2024 10:25:45 PM com.sun.jersey.guice.spi.container.GuiceComponentProviderFactory getComponentProvider
INFO: Binding org.apache.hadoop.yarn.server.nodemanager.webapp.JAXBContextResolver to GuiceManagedComponentProvider with
 the scope "Singleton"
Aug 13, 2024 10:25:45 PM com.sun.jersey.guice.spi.container.GuiceComponentProviderFactory getComponentProvider
INFO: Binding org.apache.hadoop.yarn.webapp.GenericExceptionHandler to GuiceManagedComponentProvider with the scope "Sin
gleton"
Aug 13, 2024 10:25:45 PM com.sun.jersey.guice.spi.container.GuiceComponentProviderFactory getComponentProvider
INFO: Binding org.apache.hadoop.yarn.server.nodemanager.webapp.NMWebServices to GuiceManagedComponentProvider with the s
cope "Singleton"
2024-08-13 22:25:45,534 INFO handler.ContextHandler: Started o.e.j.w.WebAppContext@aa1bb14{node,/,file:///C:/Users/Hares
h/AppData/Local/Temp/jetty-0_0_0_0-8042-hadoop-yarn-common-3_4_0_jar-_-any-3589810351802953548/webapp/,AVAILABLE}{jar:fi
le:/D:/Softwares/Hadoop/hadoop-3.4.0.tar/hadoop-3.4.0/share/hadoop/yarn/hadoop-yarn-common-3.4.0.jar!/webapps/node}
2024-08-13 22:25:45,558 INFO server.AbstractConnector: Started ServerConnector@4cdb8504{HTTP/1.1, (http/1.1)}{0.0.0.0:80
42}
2024-08-13 22:25:45,558 INFO server.Server: Started @28007ms
2024-08-13 22:25:45,560 INFO webapp.WebApps: Web app node started at 8042
2024-08-13 22:25:45,560 INFO nodemanager.NodeStatusUpdaterImpl: Node ID assigned is : DESKTOP-SBBT9TG:52991.
2024-08-13 22:25:45,565 INFO util.JvmPauseMonitor: Starting JVM pause monitor
2024-08-13 22:25:45,723 INFO client.DefaultNoHARMFailoverProxyProvider: Connecting to ResourceManager at /0.0.0.0:8031
2024-08-13 22:25:45,806 INFO nodemanager.NodeStatusUpdaterImpl: Running Applications Size : 0.
2024-08-13 22:25:51,244 INFO security.NMContainerTokenSecretManager: Rolling master-key for container-tokens, got key wi
th id -165124043
2024-08-13 22:25:51,244 INFO security.NMTokenSecretManagerInNM: Rolling master-key for container-tokens, got key with id
 88793460
2024-08-13 22:25:51,244 INFO nodemanager.NodeStatusUpdaterImpl: Registered with ResourceManager as DESKTOP-SBBT9TG:52991
 with total resource of <memory:8192, vCores:8>
```

localhost:8088/cluster

hadoop   **All Applications**

Cluster
- About
- Nodes
- Node Labels
- Applications
  - NEW
  - NEW_SAVING
  - SUBMITTED
  - ACCEPTED
  - RUNNING
  - FINISHED
  - FAILED
  - KILLED
- Scheduler

▸ Tools

Cluster Metrics

Apps Submitted	Apps Pending	Apps Running	Apps Completed	Containers Running	Used Resources	
0	0	0	0	0	<memory:0 B, vCores:0>	<memory:8

Cluster Nodes Metrics

Active Nodes	Decommissioning Nodes	Decommissioned Nodes	Lost Nodes
1	0	0	0

Scheduler Metrics

Scheduler Type	Scheduling Resource Type	Minimum Allocation	Maximum Allocation	Maximum Cluster Application F
Capacity Scheduler	[memory-mb (unit=Mi), vcores]	<memory:1024, vCores:1>	<memory:8192, vCores:4>	0

Show 20 ✔ entries

ID ▾	User	Name	Application Type	Application Tags	Queue	Application Priority	StartTime	LaunchTime	FinishTime	State	FinalStatus	Running Containers	Alloc CPU VCor
											No data available in table		

Showing 0 to 0 of 0 entries