

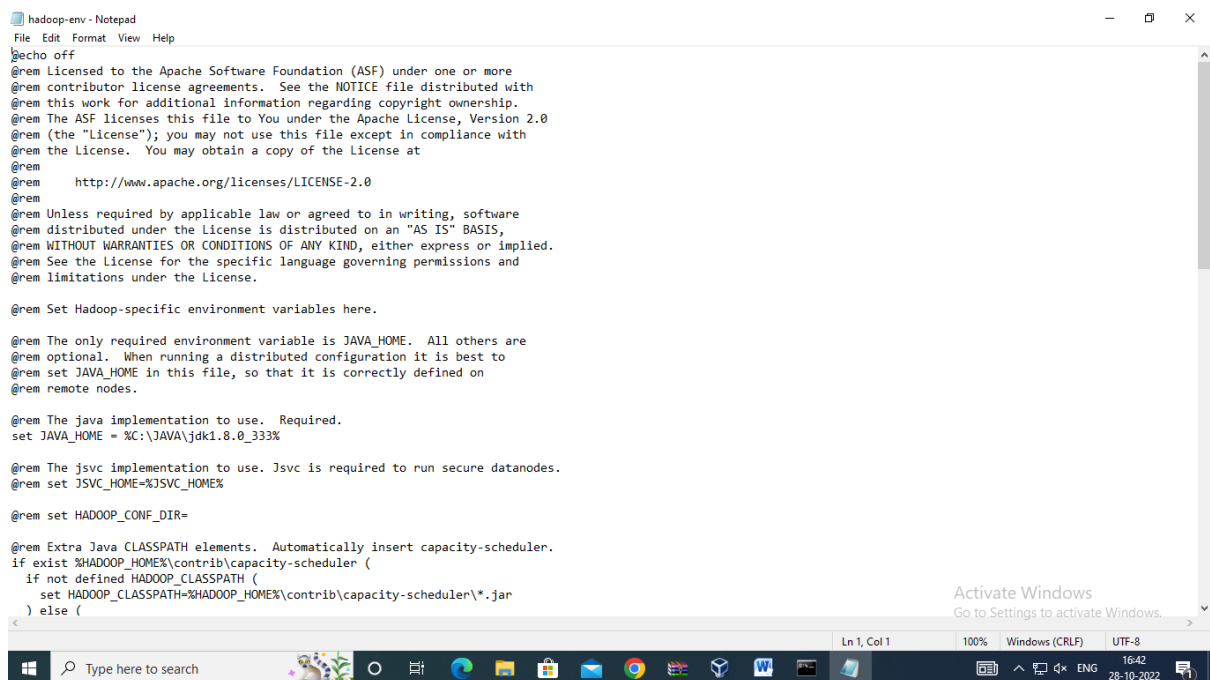
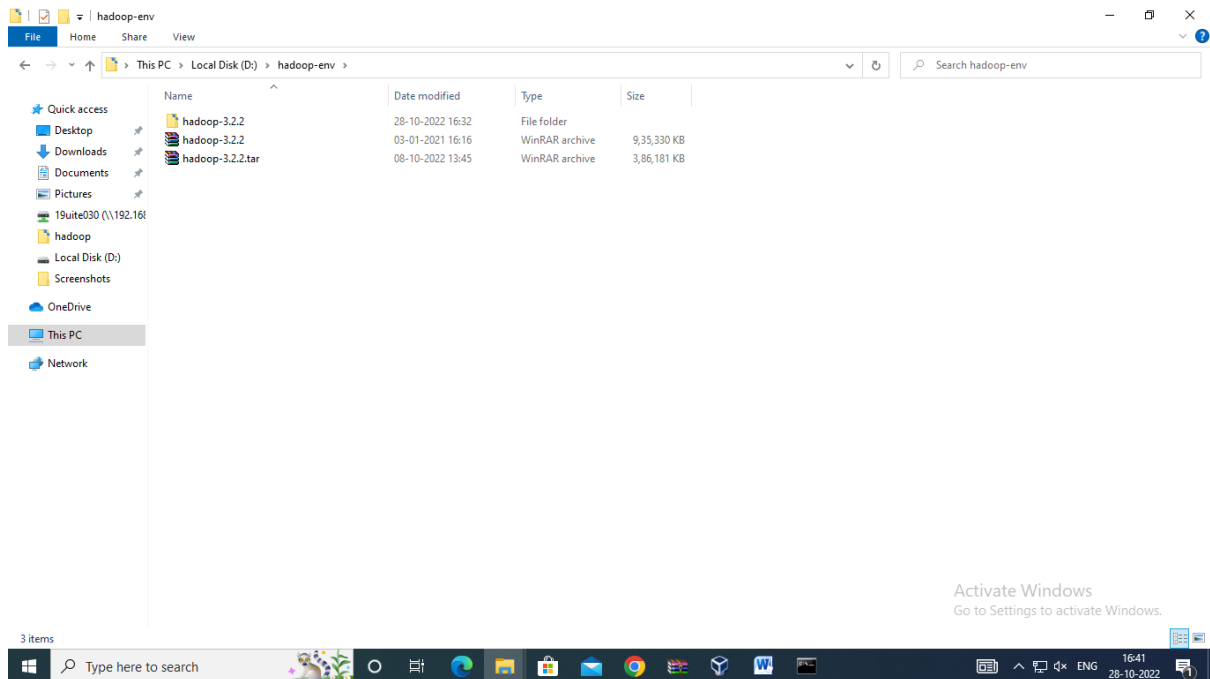
EX NO- 9

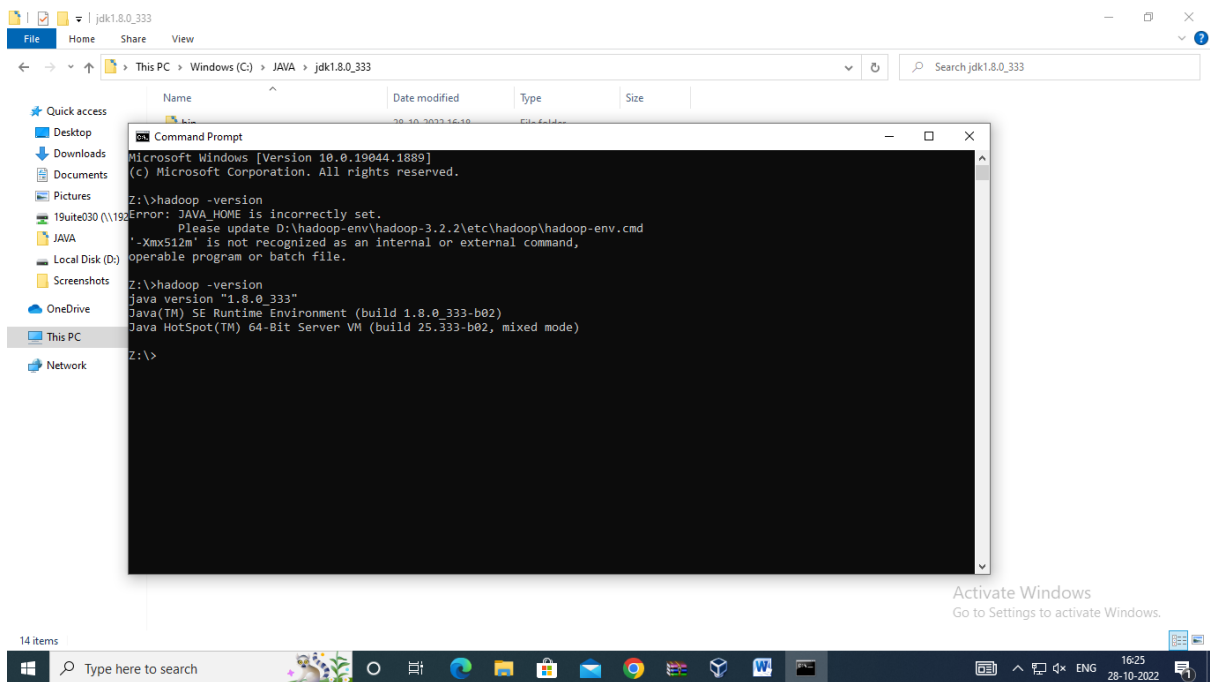
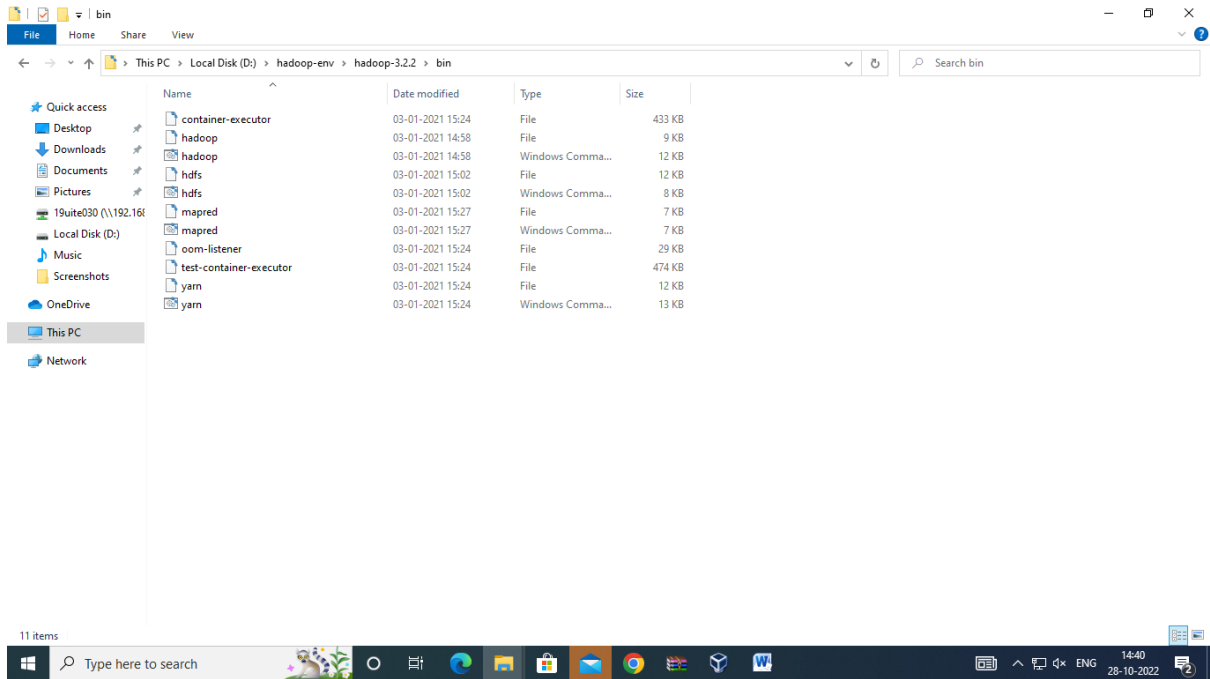
Installation of Single Node Hadoop Cluster

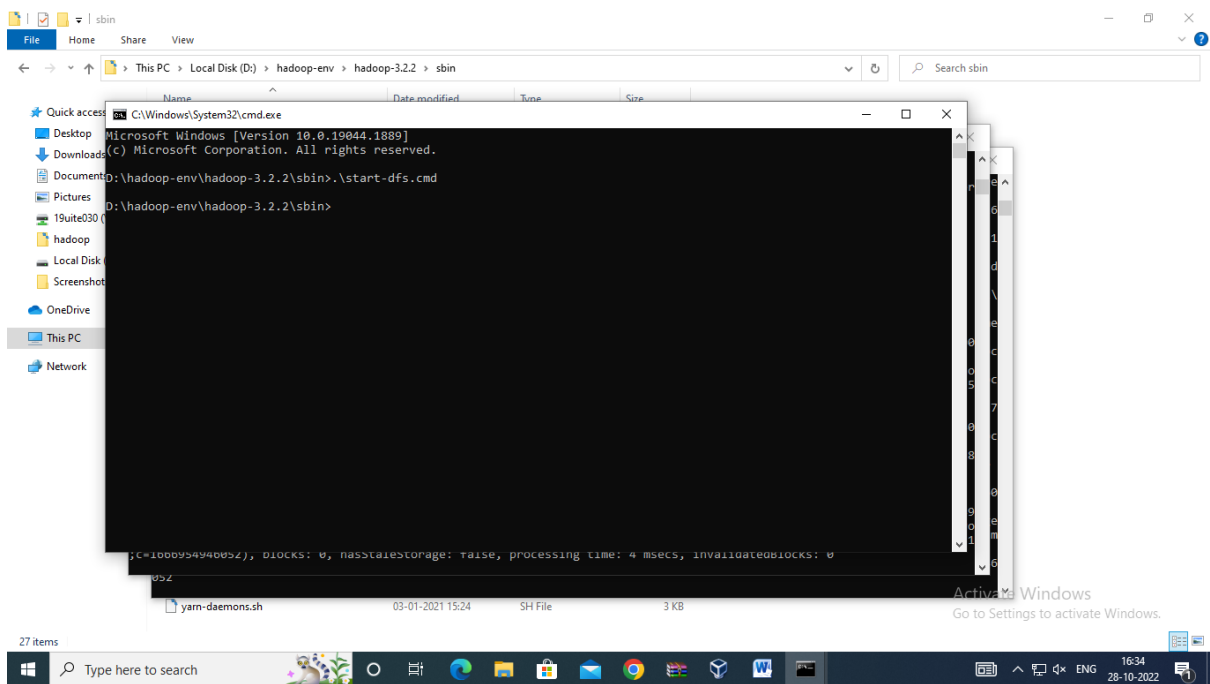
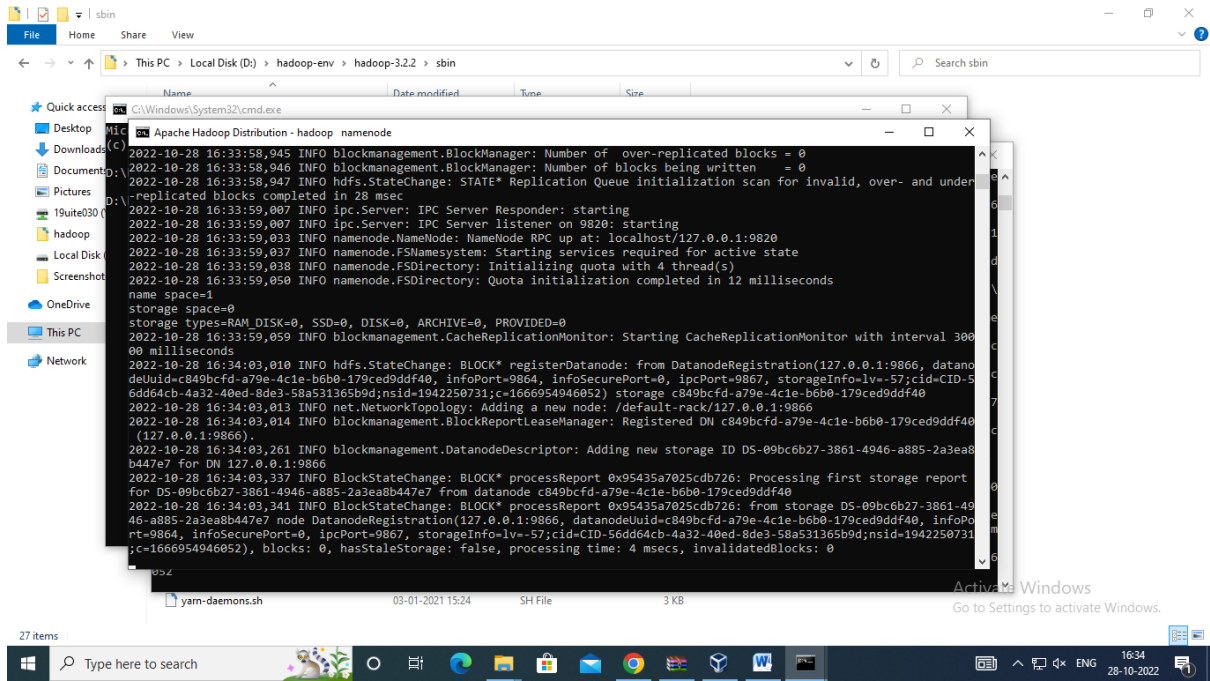
DATE-14.10.2022

NAME-F.MALATHI

ROLL NO-19UITE030







```
Apache Hadoop Distribution - yarn nodemanager
STARTUP_MSG: build = Unknown -r 7a3bc90b05f257c8ace2f76d74264906f0f7a932; compiled by 'hexiaoqiao' on 2021-01-03T09:26Z
STARTUP_MSG: java = 1.8.0_333
*****
2022-10-28 16:36:32,210 INFO resourceplugin.ResourcePluginManager: No Resource plugins found from configuration!
2022-10-28 16:36:32,210 INFO resourceplugin.ResourcePluginManager: Found Resource plugins from configuration: null
2022-10-28 16:36:32,442 INFO nodemanager.NodeManager: Node Manager health check script is not available or doesn't have execute permission, so not starting the node health script runner.
2022-10-28 16:36:32,593 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.container.ContainerEventType for class org.apache.hadoop.yarn.server.nodemanager.containermanager.ContainerManagerImpl$ContainerEventDispatcher
2022-10-28 16:36:32,599 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.application.ApplicationEventType for class org.apache.hadoop.yarn.server.nodemanager.containermanager.ContainerManagerImpl$ApplicationEventDispatcher
2022-10-28 16:36:32,602 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.localizer.event.LocalizationEventType for class org.apache.hadoop.yarn.server.nodemanager.containermanager.ContainerManagerImpl$LocalizationEventHandlerWrapper
2022-10-28 16:36:32,606 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.AuxServicesEventType for class org.apache.hadoop.yarn.server.nodemanager.containermanager.AuxServices
2022-10-28 16:36:32,608 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.monitor.ContainersMonitorEventType for class org.apache.hadoop.yarn.server.nodemanager.containermanager.monitor.ContainersMonitorImpl
2022-10-28 16:36:32,611 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.launcher.ContainersLauncherEventType for class org.apache.hadoop.yarn.server.nodemanager.containermanager.launcher.ContainersLauncher
2022-10-28 16:36:32,614 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.containermanager.scheduler.ContainerSchedulerEventType for class org.apache.hadoop.yarn.server.nodemanager.containermanager.scheduler.ContainerScheduler
2022-10-28 16:36:32,619 INFO tracker.MMLagAggregationStatusTracker: the rolling interval seconds for the NodeManager Cached Log aggregation status is 600
2022-10-28 16:36:32,683 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.ContainerManagerImpl$ContainerManagerEventDispatcher for class org.apache.hadoop.yarn.server.nodemanager.containermanager.ContainerManagerImpl
2022-10-28 16:36:32,685 INFO event.AsyncDispatcher: Registering class org.apache.hadoop.yarn.server.nodemanager.NodeManagerEventType for class org.apache.hadoop.yarn.server.nodemanager.NodeManager
2022-10-28 16:36:32,801 INFO impl.MetricsConfig: Loaded properties from hadoop-metrics2.properties
2022-10-28 16:36:32,898 INFO impl.MetricsSystemImpl: Scheduled Metric snapshot period at 10 second(s).
2022-10-28 16:36:32,899 INFO impl.MetricsSystemImpl: NodeManager metrics system started
```

```
Apache Hadoop Distribution - yarn resourcemanager
reservationsContinueLooking = true
preemptionDisabled = true
defaultAppPriorityPerQueue = 0
priority = 0
maxlifetime = -1 seconds
defaultLifetime = -1 seconds
2022-10-28 16:36:33,200 INFO capacity.CapacitySchedulerQueueManager: Initialized queue: default: capacity=1.0, absoluteCapacity=1.0, usedResources=<memory:0, vCores:0>, usedCapacity=0.0, absoluteUsedCapacity=0.0, numApps=0, numContainers=0, effectiveMinResource=<memory:0, vCores:0>, effectiveMaxResource=<memory:0, vCores:0>
2022-10-28 16:36:33,201 INFO capacity.CapacitySchedulerQueueManager: Initialized queue: root: numChildQueue= 1, capacity=1.0, absoluteCapacity=1.0, usedResources=<memory:0, vCores:0>, usedCapacity=0.0, numApps=0, numContainers=0
2022-10-28 16:36:33,204 INFO capacity.CapacitySchedulerQueueManager: Initialized root queue root: numChildQueue= 1, capacity=1.0, absoluteCapacity=1.0, usedResources=<memory:0, vCores:0>, usedCapacity=0.0, numApps=0, numContainers=0
2022-10-28 16:36:33,205 INFO placement.UserGroupMappingPlacementRule: Initialized queue mappings, override: false
2022-10-28 16:36:33,205 INFO capacity.WorkflowPriorityMappingsManager: Initialized workflow priority mappings, override: false
2022-10-28 16:36:33,207 INFO placement.MultiNodeSortingManager: MultiNode scheduling is 'false', and configured policies are
2022-10-28 16:36:33,208 INFO capacity.CapacityScheduler: Initialized CapacityScheduler with calculator=class org.apache.hadoop.yarn.util.resource.DefaultResourceCalculator, minimumAllocation=<memory:1024, vCores:1>, maximumAllocation=<memory:8192, vCores:4>, asynchronousScheduling=false, asyncScheduleInterval=5ms, multiNodePlacementEnabled=false
2022-10-28 16:36:33,216 INFO conf.Configuration: dynamic-resources.xml not found
2022-10-28 16:36:33,221 INFO resourcemanager.AMSProcessingChain: Initializing AMS Processing chain. Root Processor=[org.apache.hadoop.yarn.server.resourcemanager.DefaultAMSProcessor]
2022-10-28 16:36:33,222 INFO resourcemanager.ApplicationMasterService: disabled placement handler will be used, all scheduling requests will be rejected.
2022-10-28 16:36:33,225 INFO resourcemanager.AMSProcessingChain: Adding [org.apache.hadoop.yarn.server.resourcemanager.scheduler.constraint.processor.DisabledPlacementProcessor] to top of AMS Processing chain.
2022-10-28 16:36:33,238 INFO resourcemanager.ResourceManager: TimelineServicePublisher is not configured
2022-10-28 16:36:33,309 INFO util.log: Logging initialized @4430ms to org.eclipse.jetty.util.log.Slf4jLog
2022-10-28 16:36:37,960 INFO server.AuthenticationFilter: Unable to initialize FileSignerSecretProvider, falling back to use random secrets.
2022-10-28 16:36:37,971 INFO http.HttpRequestLog: Http request log for http.requests.resourcemanager is not defined
2022-10-28 16:36:37,989 INFO http.HttpServer2: Added global filter 'safety' (class=org.apache.hadoop.http.HttpServer2$QuotingInputFilter)
```

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

D:\hadoop-env\hadoop-3.2.2\sbin>. \start-dfs.cmd

D:\hadoop-env\hadoop-3.2.2\sbin>./yarn.cmd
'.' is not recognized as an internal or external command,
operable program or batch file.

D:\hadoop-env\hadoop-3.2.2\sbin>. \start-yarn.cmd
starting yarn daemons

D:\hadoop-env\hadoop-3.2.2\sbin>jps
4240 DataNode
5824 NameNode
5856 NodeManager
9880 Jps
5404 ResourceManager

D:\hadoop-env\hadoop-3.2.2\sbin>_

Activate Windows
Go to Settings to activate Windows.
```

```
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Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

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5824 NameNode
5856 NodeManager
9880 Jps
5404 ResourceManager

D:\hadoop-env\hadoop-3.2.2\sbin>_

Activate Windows
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```

Namenode information

localhost:9870/dfshealth.html#tab-overview

Hadoop

Overview

Datanodes

Datanode Volume Failures

Snapshot

Startup Progress

Utilities

Overview

'localhost:9820' (active)

Started:	Fri Oct 28 16:33:56 +0530 2022
Version:	3.2.2, r7a3bc90b05f257c8ace2f76d74264906f0f7a932
Compiled:	Sun Jan 03 14:56:00 +0530 2021 by hexiaoqiao from branch-3.2.2
Cluster ID:	CID-56dd64cb-4a32-40ed-8de3-58a531365b9d
Block Pool ID:	BP-228861544-192.168.56.1-1666954946052

Summary

Security is off.
Safemode is off.
1 files and directories, 0 blocks (0 replicated blocks, 0 erasure coded block groups) = 1 total filesystem object(s).
Heap Memory used 84.78 MB of 188 MB Heap Memory. Max Heap Memory is 889 MB.
Non Heap Memory used 49.36 MB of 50.59 MB Committed Non Heap Memory. Max Non Heap Memory is <unbounded>.

Activate Windows
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Type here to search

16:39

28-10-2022