Course: MMDS

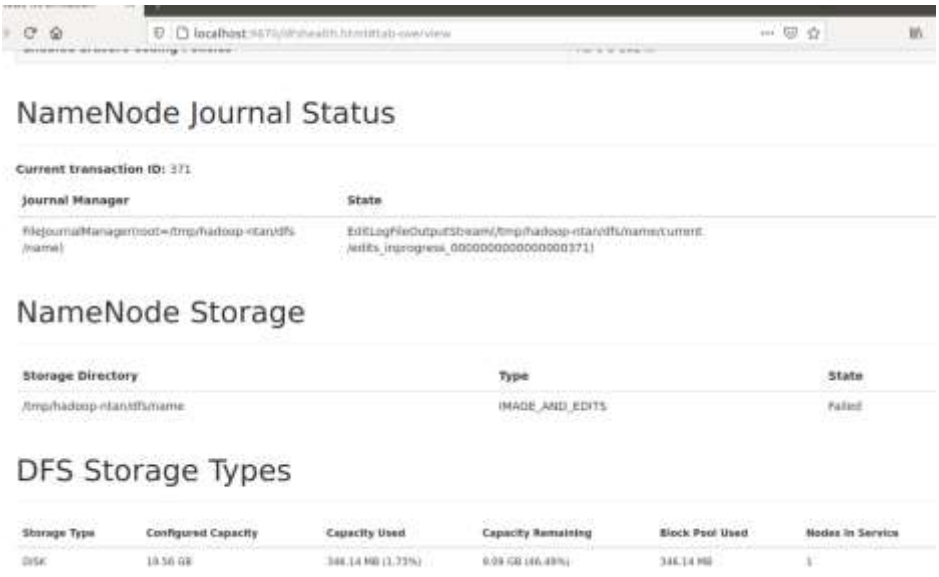
Lab 01

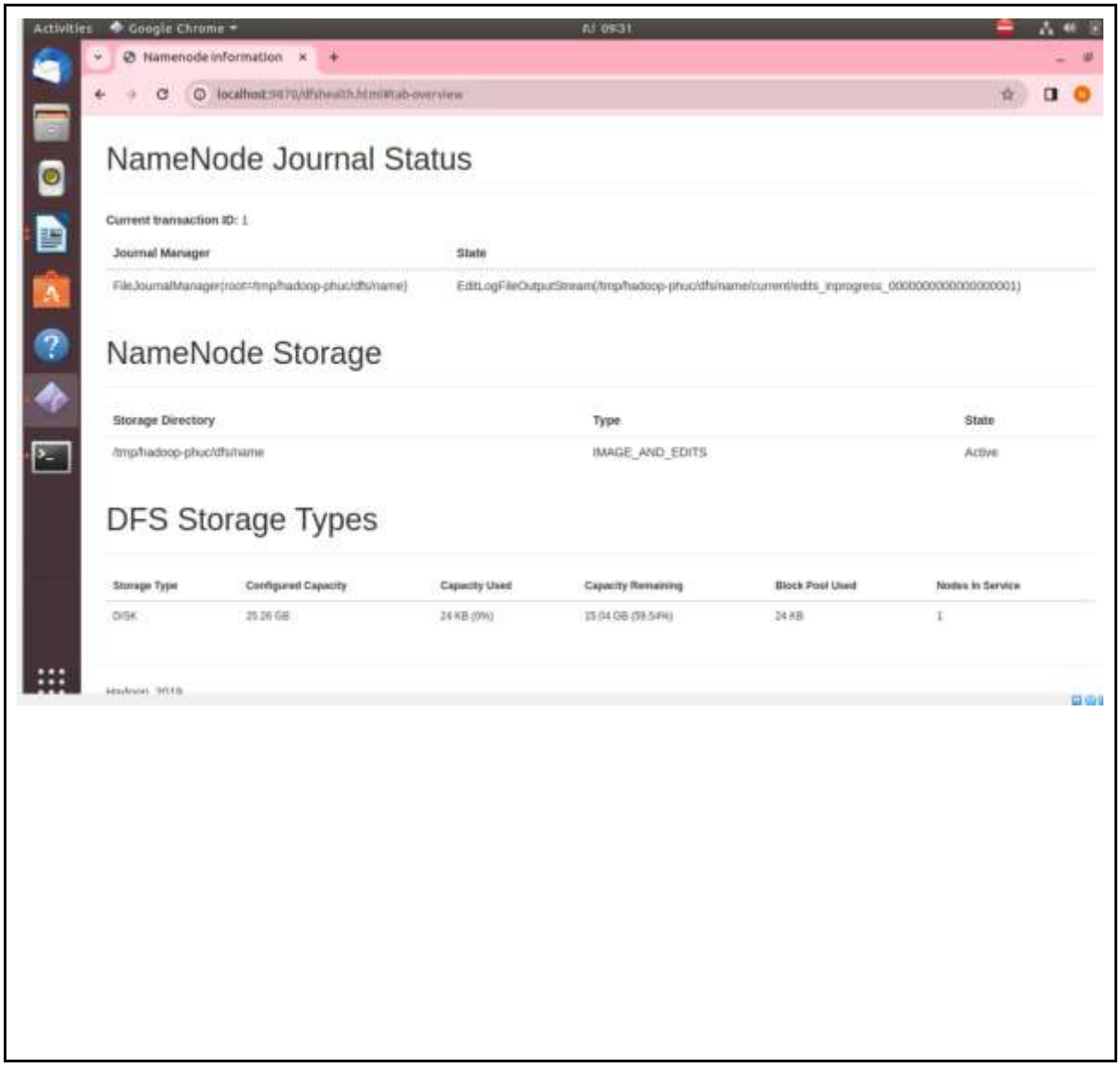
Set up Hadoop

Fill answers of the questions below in the given tables.
Your screenshots must contain commands for required operations.

Question 1:

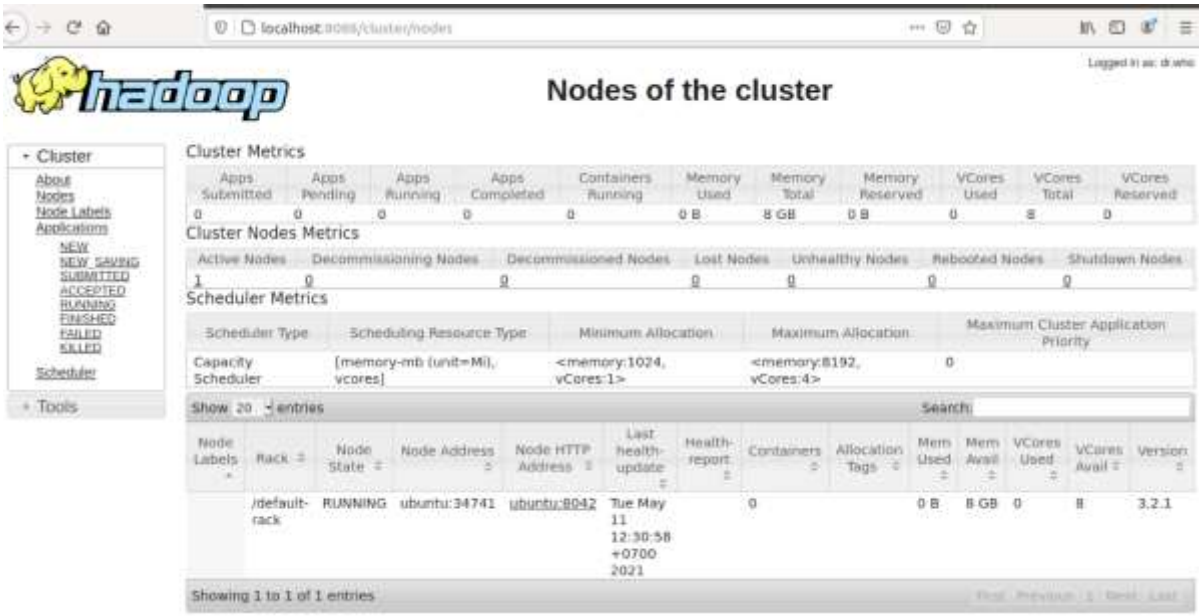
Set up Hadoop following this tutorial and then take a screenshot of the hdfs-site (localhost:9870) which shows information for NameNode Journal Status, NameNode Storage, DFS Storage Types (Overview page).
For example,





Question 2:

Set up Hadoop following this [tutorial] and then take a screenshot of the yarn-site ([localhost:8088]) which shows information for nodes ([http://localhost:8088/cluster/nodes]).
For example,


localhost:8088/cluster/nodes
Nodes of the cluster
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 | Memory Used | Memory Total | Memory Reserved | VCores Used | VCores Total | VCores Reserved
0 | 0 | 0 | 0 | 0 | 0 B | 8 GB | 0 B | 0 | 8 | 0
Cluster Nodes Metrics
Active Nodes | Decommissioning Nodes | Decommissioned Nodes | Lost Nodes | Unhealthy Nodes | Rebooted Nodes | Shutdown Nodes
1 | 0 | 0 | 0 | 0 | 0 | 0
Scheduler Metrics
Scheduler Type | Scheduling Resource Type | Minimum Allocation | Maximum Allocation | Maximum Cluster Application Priority
Capacity Scheduler | [memory-mb (unit=Mi), vcores] | <memory:1024, vCores:1> | <memory:8192, vCores:4> | 0
Show 20 entries
Search:
Node Labels | Rack | Node State | Node Address | Node HTTP Address | Last health-update | Health-report | Containers | Allocation Tags | Mem Used | Mem Avail | VCores Used | VCores Avail | Version
/default-rack | RUNNING | ubuntu:34741 | ubuntu:8042 | Tue May 11 12:30:58 +0700 2021 | | 0 | | 0 B | 8 GB | 0 | 8 | 3.2.1
Showing 1 to 1 of 1 entries

Activities
Google Chrome
Namenode information
Nodes of the cluster
localhost:8088/cluster/nodes
Nodes of the cluster
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 | Memory Used | Memory Total | Memory Reserved | VCores Used | VCores Total | VCores Reserved
2 | 0 | 0 | 2 | 0 | 0 B | 8 GB | 0 B | 0 | 8 | 0
Cluster Nodes Metrics
Active Nodes | Decommissioning Nodes | Decommissioned Nodes | Lost Nodes | Unhealthy Nodes | Rebooted Nodes | Shutdown Nodes
1 | 0 | 0 | 0 | 0 | 0 | 0
Scheduler Metrics
Scheduler Type | Scheduling Resource Type | Minimum Allocation | Maximum Allocation | Maximum Cluster Application Priority
Capacity Scheduler | [memory-mb (unit=Mi), vcores] | <memory:1024, vCores:1> | <memory:8192, vCores:4> | 0
Show 20 entries
Search:
Node Labels | Rack | Node State | Node Address | Node HTTP Address | Last health-update | Health-report | Containers | Allocation Tags | Mem Used | Mem Avail | VCores Used | VCores Avail | Version
/default-rack | RUNNING | pluc-VirtualBox:37745 | pluc-VirtualBox:8042 | Sat Jan 20 09:38:36 +0700 2024 | | 0 | | 0 B | 8 GB | 0 | 8 | 3.2.1
Showing 1 to 1 of 1 entries

Submission Notice

- Export your answer file as pdf
- Rename the pdf following the format:

  lab01_<student number>_<Full Name>.pdf

  E.g: **lab01_123456_NguyenThanhAn.pdf**

  If you have not been assigned a student number yet, then use 123456 instead.
- Careless mistakes in filename, format, question order, etc. are not accepted (0 pts).