

38 . Perform the basic configuration setup for installing HADOOP 2.x like creating the HDUSER and SSH localhost

### STEPS TO FOLLOW:-

```
udhay@ubuntu: ~  
udhay@ubuntu:~$ sudo apt-get install default-jdk  
[sudo] password for udhay:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
default-jdk is already the newest version.  
0 upgraded, 0 newly installed, 0 to remove and 319 not upgraded.  
udhay@ubuntu:~$ java -version  
Picked up JAVA_TOOL_OPTIONS: -javaagent:/usr/share/java/jayatanaag.jar  
java version "1.7.0_95"  
OpenJDK Runtime Environment (IcedTea 2.6.4) (7u95-2.6.4-0ubuntu0.15.04.1)  
OpenJDK 64-Bit Server VM (build 24.95-b01, mixed mode)  
udhay@ubuntu:~$ ^C  
udhay@ubuntu:~$ █
```

```
udhay@ubuntu:~$ sudo apt-get install ssh  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
ssh is already the newest version.  
0 upgraded, 0 newly installed, 0 to remove and 319 not upgraded.  
udhay@ubuntu:~$ su hduser  
Password:  
hduser@ubuntu:/home/udhay$ █
```

```
udhay@ubuntu:~$ su hduser
Password:
hduser@ubuntu:/home/udhay$ ssh-keygen -t rsa -P ""
Generating public/private rsa key pair.
Enter file in which to save the key (/home/hduser/.ssh/id_rsa):
/home/hduser/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Your identification has been saved in /home/hduser/.ssh/id_rsa.
Your public key has been saved in /home/hduser/.ssh/id_rsa.pub.
The key fingerprint is:
09:0f:15:f2:b2:b7:5e:11:1a:6c:d3:2f:c3:09:02:15 hduser@ubuntu
The key's randomart image is:
+---[RSA 2048]---+
|      ..E.o.      |
|      . = .       |
|      = B o       |
|      O B +       |
|      . S * .     |
|      . . +       |
|      . .         |
|      . .         |
|      .           |
+-----+
hduser@ubuntu: /home/udhay$
```

```
hduser@ubuntu:/home/udhay$ cat $HOME/.ssh/id_rsa.pub >> $HOME/.ssh/authorized_keys
hduser@ubuntu:/home/udhay$ ssh localhost
Welcome to Ubuntu 15.04 (GNU/Linux 3.19.0-84-generic x86_64)

 * Documentation:  https://help.ubuntu.com/

Last login: Thu Jul 15 22:00:14 2021 from localhost
hduser@ubuntu:~$
```


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About the Cluster - Mozilla Firefox

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localhost:8088/cluster/cluster

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About the Cluster

Cluster

AboutNodesNode LabelsApplicationsNEWNEW SAVINGSUBMITTEDACCEPTEDRUNNINGFINISHEDFAILEDKILLED

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	Active Nodes
0	0	0	0	0	0 B	8 GB	0 B	0	8	0	1

Scheduler Metrics

Scheduler Type	Scheduling Resource Type	Minimum Allocation
Capacity Scheduler	[MEMORY]	<memory:1024, vCores:1>

Cluster ID:

1626414170591

ResourceManager state:

STARTED

ResourceManager HA state:

active

ResourceManager HA zookeeper connection state:

ResourceManager HA is not enabled.

ResourceManager RMStateStore:

org.apache.hadoop.yarn.server.resourcemanager.recovery.NullRMStateStore

ResourceManager started on:

Thu Jul 15 22:42:50 -0700 2021

ResourceManager version:

2.7.2 from b165c4fe8a74265c792ce23f546c64604acf0e41 by jenkins source checksum 2016-01-26T00:16Z

Hadoop version:

2.7.2 from b165c4fe8a74265c792ce23f546c64604acf0e41 by jenkins source checksum 2016-01-26T00:08Z

Activate Windows