

WORKSTATION PRO™ 17



Create a New Virtual
Machine



Open a Virtual
Machine



Connect to a
Remote Server

New Virtual Machine Wizard

vmware
WORKSTATION
PRO™
17

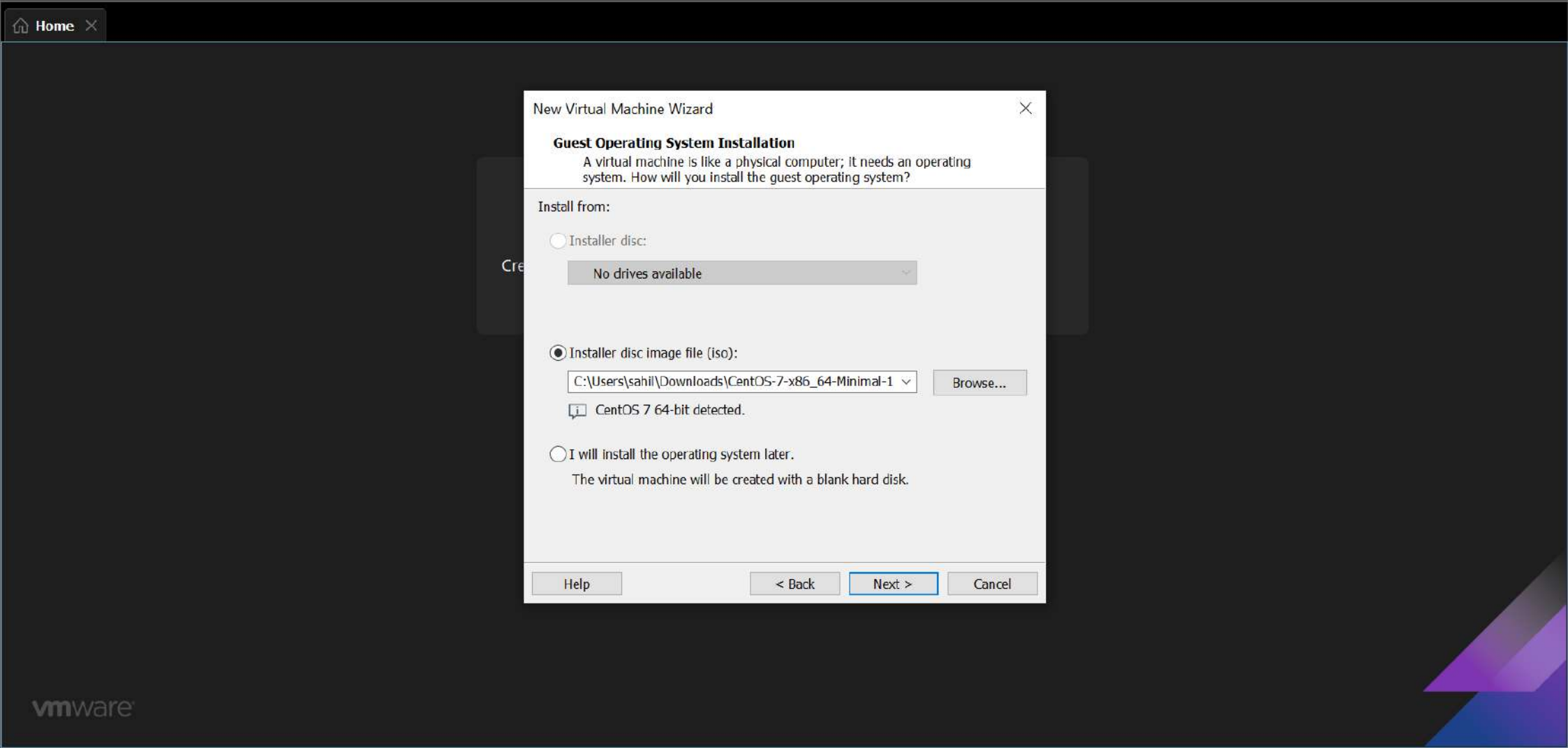
Welcome to the New Virtual Machine Wizard

What type of configuration do you want?

☒ Typical (recommended)
Create a Workstation 17.5.x virtual machine in a few easy steps.

☐ Custom (advanced)
Create a virtual machine with advanced options, such as a SCSI controller type, virtual disk type and compatibility with older VMware products.

Help< BackNext >Cancel



New Virtual Machine Wizard

Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:

No drives available

☒ Installer disc image file (iso):

C:\Users\sahil\Downloads\CentOS-7-x86_64-Minimal-1

Browse...

CentOS 7 64-bit detected.

☐ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel

New Virtual Machine Wizard

Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:

Sahil Machine (single Node Cluster)

Location:

C:\Users\sahil\Documents\Virtual Machines\Sahil Machine (single

Browse...

The default location can be changed at Edit > Preferences.

< Back

Next >

Cancel



New Virtual Machine Wizard

Specify Disk Capacity

How large do you want this disk to be?

The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

Maximum disk size (GB):

Recommended size for CentOS 7 64-bit: 20 GB

☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files

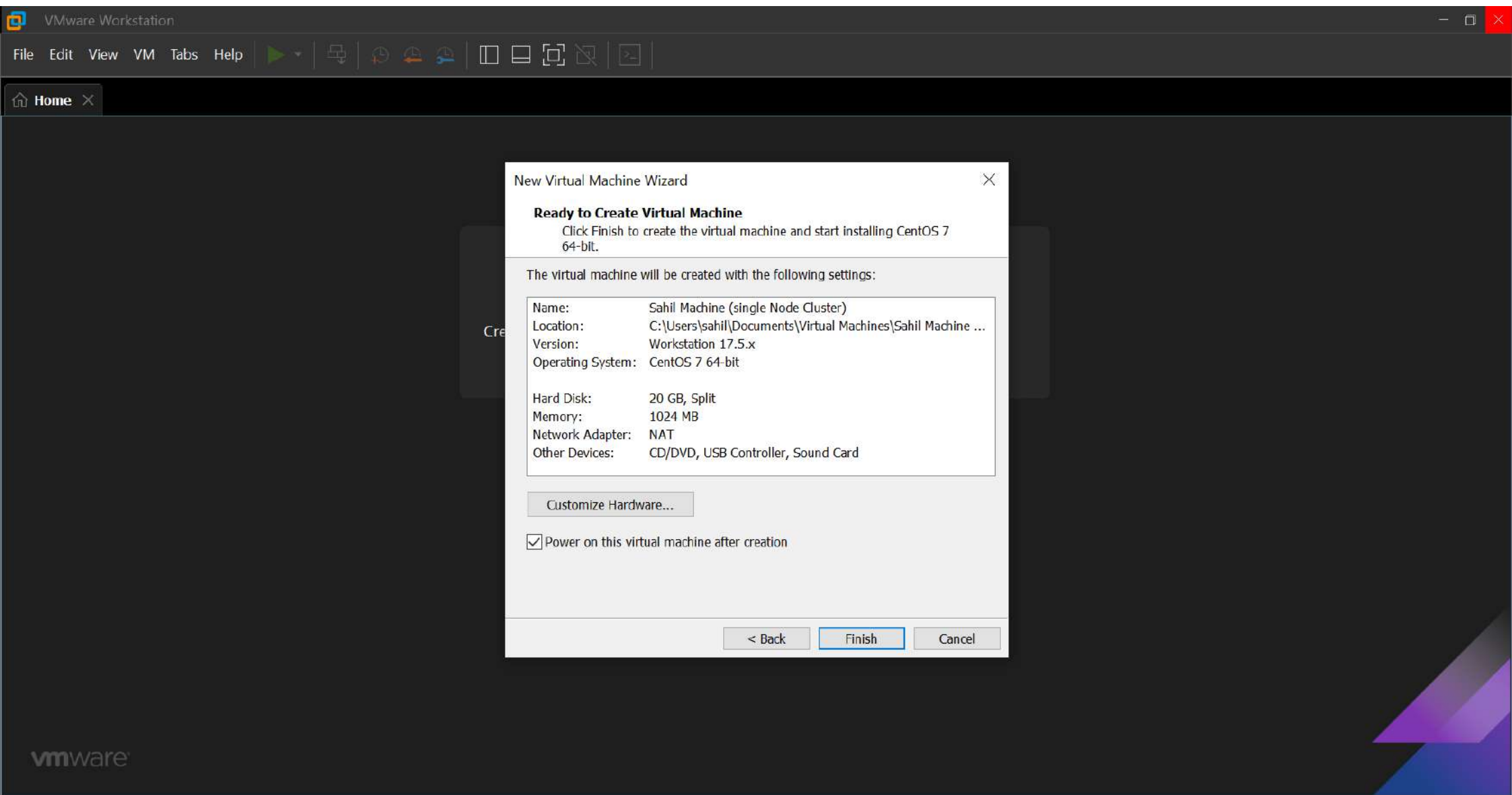
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.


Help

< Back

Next >

Cancel



**CentOS**

CENTOS 7 INSTALLATION

us Help

WELCOME TO CENTOS 7.

What language would you like to use during the installation process?

English	English	English (United States)
Afrikaans	Afrikaans	English (United Kingdom)
አማርኛ	Amharic	English (India)
العربية	Arabic	English (Australia)
অসমীয়া	Assamese	English (Canada)
Asturianu	Asturian	English (Denmark)
Беларуская	Belarusian	English (Ireland)
Български	Bulgarian	English (New Zealand)
বাংলা	Bengali	English (Nigeria)
		English (Hong Kong SAR China)
		English (Philippines)

QuitContinue

To direct input to this VM, click inside or press Ctrl+G.

INSTALLATION DESTINATION

CENTOS 7 INSTALLATION

Done

US

Help!

Device Selection

Select the device(s) you'd like to install to. They will be left untouched until you click on the main menu's "Begin Installation" button.

Local Standard Disks

20 GiB

VMware, VMware Virtual S

sda / 20 GiB free

Disks left: unselected here will not be touched.

Specialized & Network Disks

Add a disk...

Disks left: unselected here will not be touched.

Other Storage Options

Partitioning


☒ Automatically configure partitioning.

☐ I will configure partitioning.

☐ I would like to make additional space available.

[Full disk summary and boot loader...](#)

1 disk selected; 20 GiB capacity; 20 GiB free [Refresh...](#)

**CentOS**

CONFIGURATION

CENTOS 7 INSTALLATION

US

Help!

USER SETTINGS

**ROOT PASSWORD**
Root password is not set


**USER CREATION**
No user will be created

Installing info (25/303)

CentOS Virtualization SIG
Virtualization in CentOS, virtualization of CentOS.
wiki.centos.org/SpecialInterestGroup


Please complete items marked with this icon before continuing to the next step

To direct input to this VM, click inside or press Ctrl+G.



CentOS


CONFIGURATION


CENTOS 7 INSTALLATION

 **us** Help!

USER SETTINGS

**ROOT PASSWORD**
Root password is set


**USER CREATION**
No user will be created

 Performing post-installation setup tasks

CentOS Promotion SIG

Promoting CentOS in events, conferences and everywhere!

wiki.centos.org/SpecialInterestGroup



```
CentOS Linux 7 (Core)  
Kernel 3.10.0-957.el7.x86_64 on an x86_64  
  
localhost login: Sahil8379  
Password:  
Login incorrect  
  
localhost login: root  
Password:
```

To direct input to this VM, click inside or press Ctrl+G.

sftp://root@192.168.139.128 - FileZilla

File Edit View Transfer Server Bookmarks Help New version available!

Host: sftp://192.168.139 Username: root Password: Port: Quickconnect

Command: ls

Status: Listing directory /root

Status: Directory listing successful

Local site: C:\Users\sahil\Downloads\



Filename	Filesize	Filetype	Last modified
EAadhaar...	899,391	Microsoft...	07/19/23 1...
EAadhaar...	924,557	Microsoft...	11/11/23 1...
epm18.0...	77,298...	Applicati...	11/29/23 0...
epm_free...	1,966,...	Applicati...	11/29/23 0...
epm_free...	1,966,...	Applicati...	11/29/23 0...
EURUSD_...	213,706	PNG File	07/14/23 0...
FileZilla_3...	12,140...	Applicati...	01/04/24 2...
FileZilla_3...	12,383...	Applicati...	11/30/23 1...
FileZilla_3...	6,092,...	Compres...	11/29/23 2...
GBPUSD_...	237,775	PNG File	07/14/23 0...
gcapi.dll	394,240	Applicati...	11/22/22 2...
gedam20...	4,261,...	Microsoft...	11/17/23 1...
Grade Ex...	92,046	IPYNB File	12/20/23 1...
Grade Ex...	1,393	PY File	12/20/23 1...
Grading...	102,955	Microsoft...	10/10/23 1...

Selected 1 file. Total size: 212,046,774 bytes

Remote site: /root



Filename	Filesize	Filetype	Last mod...	Permis...	Owner...
..					
.bas...	18	BASH_...	12/28/13	-rw-r--...	root ro...
.bas...	176	BASH_...	12/28/13	-rw-r--...	root ro...
.bas...	176	BASHR...	12/28/13	-rw-r--...	root ro...
.cshrc	100	CSHRC...	12/28/13	-rw-r--...	root ro...
.tcsh...	129	TCSHR...	12/28/13	-rw-r--...	root ro...
anac...	1,234	CFG File	01/04/24	-rw----	root ro...
had...	212,0...	GZ File	01/04/24...	-rw-r--...	root ro...
jdk...	189,7...	GZ File	01/04/24...	-rw-r--...	root ro...

8 files. Total size: 401,804,866 bytes

Server/Local file Dire... Remote file Size Prio... Status

Queued files Failed transfers Successful transfers (2)

Queue: empty

```
CentOS Linux 7 (Core)
Kernel 3.10.0-957.el7.x86_64 on an x86_64

localhost login: root
Password:
[root@localhost ~]# nmcli conn up ens33
Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/1)
[root@localhost ~]# nmcli conn show
NAME UUID TYPE DEVICE
ens33 6ef1dee9-c4fe-4496-aea6-1ea36500ebf0 ethernet ens33
[root@localhost ~]# ip addr show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:0c:29:69:f2:18 brd ff:ff:ff:ff:ff:ff
    inet 192.168.139.128/24 brd 192.168.139.255 scope global noprefixroute dynamic ens33
        valid_lft 1743sec preferred_lft 1743sec
    inet6 fe80::cbe:6ce6:8759:375/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
[root@localhost ~]# ls
anaconda-ks.cfg hadoop-2.7.2.tar.gz jdk-8u161-linux-x64 (1).tar.gz
[root@localhost ~]# tar -xvf jdk-8u161-linux-x64\ (1\).tar.gz _
```

To return to your computer, press Ctrl+Alt.

```

jdk1.8.0_161/jre/lib/amd64/libj2psc.so
jdk1.8.0_161/jre/lib/amd64/libjfxwebkit.so
jdk1.8.0_161/jre/lib/amd64/libfontmanager.so
jdk1.8.0_161/jre/lib/amd64/libjsoundalsa.so
jdk1.8.0_161/jre/lib/amd64/libbci.so
jdk1.8.0_161/jre/lib/amd64/libjdlwp.so
jdk1.8.0_161/jre/lib/amd64/libjsound.so
jdk1.8.0_161/jre/lib/amd64/libjaas_unix.so
jdk1.8.0_161/jre/lib/amd64/libauplugin-53.so
jdk1.8.0_161/jre/lib/amd64/libattach.so
jdk1.8.0_161/jre/lib/amd64/libresource.so
jdk1.8.0_161/jre/lib/amd64/libjava.so
jdk1.8.0_161/jre/lib/amd64/libjfr.so
jdk1.8.0_161/jre/lib/amd64/libauplugin-55.so
jdk1.8.0_161/jre/lib/amd64/libawt.so
jdk1.8.0_161/jre/lib/amd64/libjaut.so
jdk1.8.0_161/jre/lib/amd64/libverify.so
jdk1.8.0_161/jre/lib/amd64/libzip.so
jdk1.8.0_161/jre/lib/amd64/libjavafx_iio.so
jdk1.8.0_161/jre/lib/amd64/libjava_crw_demo.so
jdk1.8.0_161/jre/lib/amd64/libjfxmedia.so
jdk1.8.0_161/jre/lib/amd64/libnet.so
jdk1.8.0_161/jre/lib/amd64/libjavafx_font.so
jdk1.8.0_161/jre/lib/amd64/libprism_common.so
jdk1.8.0_161/jre/lib/amd64/libnio.so
jdk1.8.0_161/jre/lib/amd64/libprism_es2.so
jdk1.8.0_161/jre/lib/amd64/libinstrument.so
jdk1.8.0_161/jre/lib/amd64/libkcms.so
jdk1.8.0_161/jre/lib/amd64/libawt_xawt.so
jdk1.8.0_161/jre/lib/amd64/libmanagement.so
jdk1.8.0_161/jre/lib/amd64/libunpack.so
jdk1.8.0_161/jre/lib/amd64/libgstreamer-lite.so
jdk1.8.0_161/jre/lib/amd64/libawt_headless.so
jdk1.8.0_161/jre/lib/amd64/libsplashscreen.so
jdk1.8.0_161/jre/lib/fontconfig.properties.src
jdk1.8.0_161/jre/lib/psfont.properties.ja
jdk1.8.0_161/jre/lib/fontconfig.Turbo.properties.src
jdk1.8.0_161/jre/lib/jcc.jar
jdk1.8.0_161/jre/lib/lavormap.properties
jdk1.8.0_161/jre/lib/jfxswt.jar
jdk1.8.0_161/jre/lib/fontconfig.SuSE.10.properties.src
jdk1.8.0_161/jre/lib/fontconfig.SuSE.11.bfc
jdk1.8.0_161/jre/COPYRIGHT
jdk1.8.0_161/jre/THIRDPARTYLICENSEREADME-JAVAFX.txt
jdk1.8.0_161/jre/welcome.html
jdk1.8.0_161/jre/README
jdk1.8.0_161/README.html
[root@localhost ~]#
    
```

To return to your computer, press Ctrl+Alt

```
# /etc/profile

# System wide environment and startup programs, for login setup
# Functions and aliases go in /etc/bashrc

# It's NOT a good idea to change this file unless you know what you
# are doing. It's much better to create a custom.sh shell script in
# /etc/profile.d/ to make custom changes to your environment, as this
# will prevent the need for merging in future updates.

pathmunge () {
    case "${PATH}" in
        *"$1"*)
            ;;
        *)
            if [ "$2" = "after" ] ; then
                PATH=$PATH:$1
            else
                PATH=$1:$PATH
            fi
        esac
    }

if [ -x /usr/bin/id ] ; then
    if [ -z "$EUID" ] ; then
        # ksh workaround
        EUID=`/usr/bin/id -u`
        UID=`/usr/bin/id -ru`
    fi
    USER=`/usr/bin/id -un`
    LOGNAME=$USER
    MAIL="/var/spool/mail/$USER"
fi

# Path manipulation
if [ "$EUID" = "0" ] ; then
    pathmunge /usr/sbin
    pathmunge /usr/local/sbin
else
    pathmunge /usr/local/sbin after
    pathmunge /usr/sbin after
fi

HOSTNAME=`/usr/bin/hostname 2>/dev/null`
HISTSIZE=1000
if [ "$HISTCONTROL" = "ignorespace" ] ; then
"/etc/profile" 76L, 1819C
```

To return to your computer, press Ctrl+Alt.


```

    pathmunge /usr/sbin
    pathmunge /usr/local/sbin
else
    pathmunge /usr/local/sbin after
    pathmunge /usr/sbin after
fi

HOSTNAME="/usr/bin/hostname 2>/dev/null"
HISTSIZE=1000
if [ "$HISTCONTROL" = "ignorespace" ] ; then
    export HISTCONTROL=ignoreboth
else
    export HISTCONTROL=ignoredups
fi

export PATH USER LOGNAME MAIL HOSTNAME HISTSIZE HISTCONTROL

# By default, we want umask to get set. This sets it for login shell
# Current threshold for system reserved uid/gids is 200
# You could check uidgid reservation validity in
# /usr/share/doc/setup-*/uidgid file
if [ $UID -gt 199 ] && [ "/usr/bin/id -gn" = "/usr/bin/id -un" ] ; then
    umask 002
else
    umask 022
fi

for i in /etc/profile.d/*.sh /etc/profile.d/sh.local : do
    if [ -r "$i" ] ; then
        if [ "${i##*/}" != "-sh" ] ; then
            . "$i"
        else
            . "$i" >>/dev/null
        fi
    fi
done

unset i
unset -f pathmunge
export JAVA_HOME=/usr/local/java/
export PATH=$PATH:/usr/local/java/bin
"/etc/profile" 78L, 1891C written
[root@localhost ~]# source /etc/profile
[root@localhost ~]# jps
14959 jps
[root@localhost ~]# ls
anaconda-ks.cfg  hadoop-2.7.2.tar.gz  jdk-8u161-linux-x64 (1).tar.gz
[root@localhost ~]# tar -xvf hadoop-2.7.2.tar.gz _

```

To direct input to this VM, click inside or press Ctrl+G.


```

hadoop-2.7.2/share/hadoop/common/lib/jsch-0.1.42.jar
hadoop-2.7.2/share/hadoop/common/lib/stax-api-1.0-2.jar
hadoop-2.7.2/share/hadoop/common/lib/jackson-jaxrs-1.9.13.jar
hadoop-2.7.2/share/hadoop/common/lib/api-util-1.0.0-M20.jar
hadoop-2.7.2/share/hadoop/common/lib/jsp-api-2.1.jar
hadoop-2.7.2/share/hadoop/common/lib/httpclient-4.2.5.jar
hadoop-2.7.2/share/hadoop/common/lib/guava-11.0.2.jar
hadoop-2.7.2/share/hadoop/common/lib/zookeeper-3.4.6.jar
hadoop-2.7.2/share/hadoop/common/lib/commons-lang-2.6.jar
hadoop-2.7.2/share/hadoop/common/lib/xz-1.0.jar
hadoop-2.7.2/share/hadoop/common/lib/jackson-xc-1.9.13.jar
hadoop-2.7.2/share/hadoop/common/lib/hadoop-annotations-2.7.2.jar
hadoop-2.7.2/share/hadoop/common/lib/jaxb-api-2.2.2.jar
hadoop-2.7.2/share/hadoop/common/lib/jersey-json-1.9.jar
hadoop-2.7.2/share/hadoop/common/lib/protobuf-java-2.5.0.jar
hadoop-2.7.2/share/hadoop/common/lib/httpcore-4.2.5.jar
hadoop-2.7.2/share/hadoop/common/lib/avro-1.7.4.jar
hadoop-2.7.2/share/hadoop/common/lib/commons-beanutils-core-1.8.0.jar
hadoop-2.7.2/share/hadoop/common/lib/servlet-api-2.5.jar
hadoop-2.7.2/share/hadoop/common/lib/api-asn1-api-1.0.0-M20.jar
hadoop-2.7.2/share/hadoop/common/lib/gson-2.2.4.jar
hadoop-2.7.2/share/hadoop/common/lib/commons-cli-1.2.jar
hadoop-2.7.2/share/hadoop/common/lib/junit-4.11.jar
hadoop-2.7.2/share/hadoop/common/lib/jettison-1.1.jar
hadoop-2.7.2/share/hadoop/common/lib/jsr305-3.0.0.jar
hadoop-2.7.2/share/hadoop/common/lib/commons-logging-1.1.3.jar
hadoop-2.7.2/share/hadoop/common/lib/slf4j-log4j12-1.7.10.jar
hadoop-2.7.2/share/hadoop/common/lib/hamcrest-core-1.3.jar
hadoop-2.7.2/share/hadoop/common/lib/slf4j-api-1.7.10.jar
hadoop-2.7.2/share/hadoop/common/lib/commons-httpclient-3.1.jar
hadoop-2.7.2/share/hadoop/common/lib/commons-beanutils-1.7.0.jar
hadoop-2.7.2/share/hadoop/common/lib/paranamer-2.3.jar
hadoop-2.7.2/share/hadoop/common/hadoop-common-2.7.2-tests.jar
hadoop-2.7.2/share/hadoop/common/sources/
hadoop-2.7.2/share/hadoop/common/sources/hadoop-common-2.7.2-sources.jar
hadoop-2.7.2/share/hadoop/common/sources/hadoop-common-2.7.2-test-sources.jar
hadoop-2.7.2/lib/
hadoop-2.7.2/lib/native/
hadoop-2.7.2/lib/native/libhdfs.so
hadoop-2.7.2/lib/native/libhadooputils.a
hadoop-2.7.2/lib/native/libhdfs.so.0.0.0
hadoop-2.7.2/lib/native/libhadoop.so.1.0.0
hadoop-2.7.2/lib/native/libhadoop.a
hadoop-2.7.2/lib/native/libhdfs.a
hadoop-2.7.2/lib/native/libhadoop.so
hadoop-2.7.2/lib/native/libhadooppipes.a
hadoop-2.7.2/LICENSE.txt
[root@localhost ~]#
    
```

To direct input to this VM, click inside or press Ctrl+G.

```
export PATH USER LOGNAME MAIL HOSTNAME HISTSIZE HISTCONTROL

# By default, we want umask to get set. This sets it for login shell
# Current threshold for system reserved uid/gids is 280
# You could check uidgid reservation validity in
# /usr/share/doc/setup-*/uidgid file
if [ $UID -gt 199 ] && [ "`/usr/bin/id -gn`" = "`/usr/bin/id -un`" ]; then
    umask 002
else
    umask 022
fi

for i in /etc/profile.d/*.sh /etc/profile.d/sh.local ; do
    if [ -r "$i" ]; then
        if [ "${i##*/}" != "sh-" ]; then
            . "$i"
        else
            . "$i" >/dev/null
        fi
    fi
done

unset i
unset -f pathmunge
export JAVA_HOME=/usr/local/java/
export PATH=$PATH:/usr/local/java/bin
export HADOOP_HOME=/usr/local/hadoop
export HADOOP_INSTALL=$HADOOP_HOME
export HADOOP_MAPRED_HOME=$HADOOP_HOME
export HADOOP_COMMON_HOME=$HADOOP_HOME
export HADOOP_HDFS_HOME=$HADOOP_HOME
export YARN_HOME=$HADOOP_HOME
export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/native
export PATH=$PATH:$HADOOP_HOME/sbin:$HADOOP_HOME/bin
"/etc/profile" 86L, 2221C written
root@localhost ~]#
```

To direct input to this VM, click inside or press Ctrl+G.

```

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distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License. See accompanying LICENSE file.
-->
<configuration>

<!-- Site specific YARN configuration properties -->

<property>

<name>yarn.nodemanager.aux-services</name>

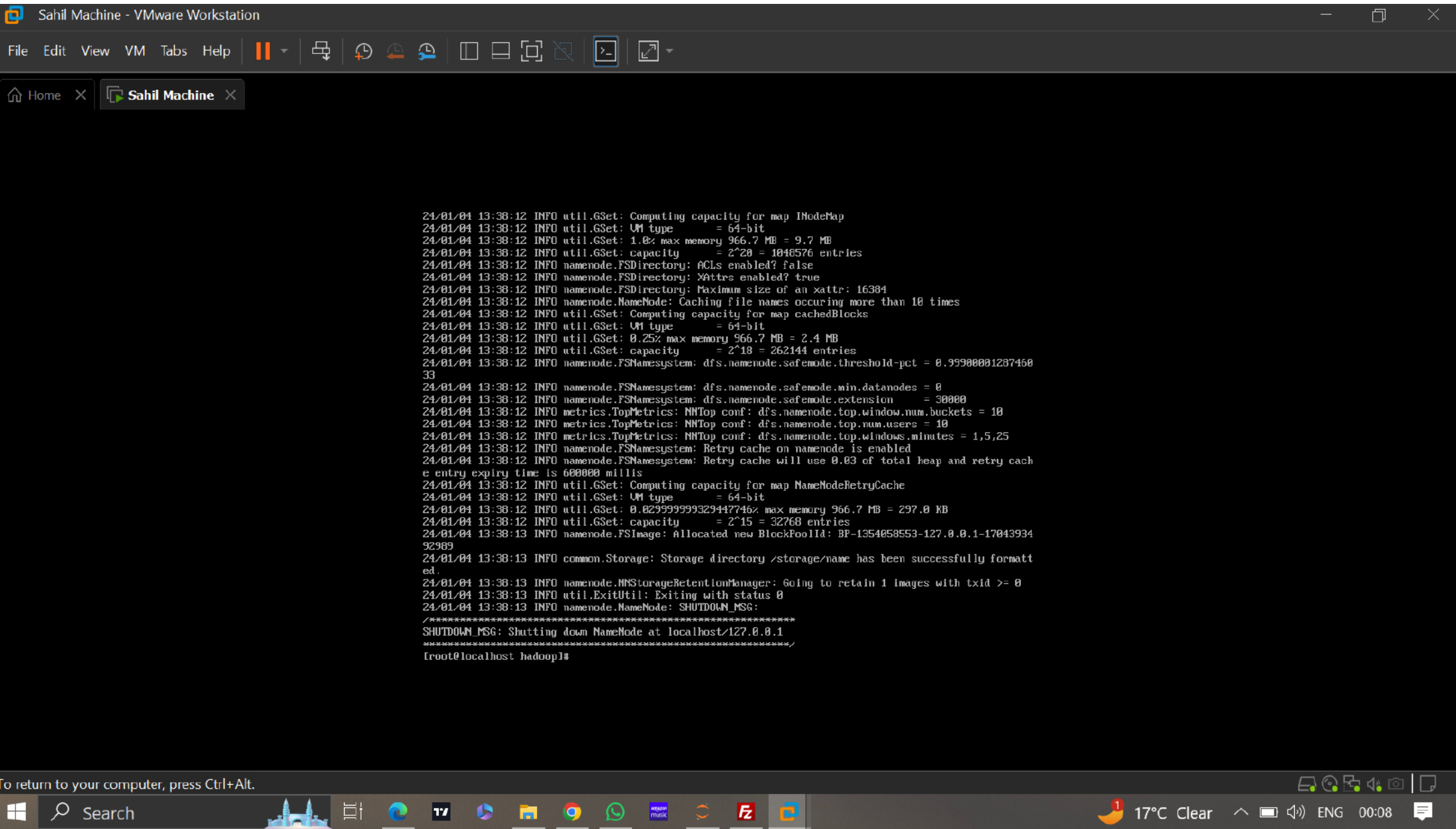
<value>mapreduce_shuffle</value>

</property>

</configuration>
-
-
-
"yarn-site.xml" 33L, 799C written
[root@localhost hadoop1# hdfs namenode -format

```

To direct input to this VM, click inside or press Ctrl+G.



Sahil Machine - VMware Workstation

File Edit View VM Tabs Help

Home Sahil Machine

```
24/01/04 13:38:12 INFO util.GSet: Computing capacity for map cachedBlocks
24/01/04 13:38:12 INFO util.GSet: VM type = 64-bit
24/01/04 13:38:12 INFO util.GSet: 0.25% max memory 966.7 MB = 2.4 MB
24/01/04 13:38:12 INFO util.GSet: capacity = 2^10 = 262144 entries
24/01/04 13:38:12 INFO namenode.FSNamesystem: dfs.namenode.safemode.threshold-pct = 0.9990000128745033
24/01/04 13:38:12 INFO namenode.FSNamesystem: dfs.namenode.safemode.min.datanodes = 0
24/01/04 13:38:12 INFO namenode.FSNamesystem: dfs.namenode.safemode.extension = 300000
24/01/04 13:38:12 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.window.num.buckets = 10
24/01/04 13:38:12 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.num.users = 10
24/01/04 13:38:12 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.windows.minutes = 1,5,25
24/01/04 13:38:12 INFO namenode.FSNamesystem: Retry cache on namenode is enabled
24/01/04 13:38:12 INFO namenode.FSNamesystem: Retry cache will use 0.03 of total heap and retry cache entry expiry time is 600000 millis
24/01/04 13:38:12 INFO util.GSet: Computing capacity for map NameNodeRetryCache
24/01/04 13:38:12 INFO util.GSet: VM type = 64-bit
24/01/04 13:38:12 INFO util.GSet: 0.029999999329447746% max memory 966.7 MB = 297.0 KB
24/01/04 13:38:12 INFO util.GSet: capacity = 2^15 = 32768 entries
24/01/04 13:38:13 INFO namenode.FSImage: Allocated new BlockPoolId: BP-1354050553-127.0.0.1-1704393492989
24/01/04 13:38:13 INFO common.Storage: Storage directory /storage/name has been successfully formatted.
24/01/04 13:38:13 INFO namenode.NNStorageRetentionManager: Going to retain 1 images with txid >= 0
24/01/04 13:38:13 INFO util.ExitUtil: Exiting with status 0
24/01/04 13:38:13 INFO namenode.NameNode: SHUTDOWN_MSG:
/*****
SHUTDOWN_MSG: Shutting down NameNode at localhost/127.0.0.1
*****/
[root@localhost hadoop]# cd /usr/local/hadoop/sbin
[root@localhost sbin]# sh start-dfs.sh
24/01/04 13:39:20 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
Starting namenodes on [localhost]
The authenticity of host 'localhost (::1)' can't be established.
ECDSA key fingerprint is SHA256:ismB9ytH9bWwA2R1pxFSmupZYc5CxXdkJqcyeE1GQ.
ECDSA key fingerprint is MD5:db:9e:67:de:43:3a:68:2b:68:3e:e1:f7:42:76:68:ad.
Are you sure you want to continue connecting (yes/no)? _
```

To return to your computer, press Ctrl+Alt.

Windows taskbar: Search, 17°C Clear, ENG, 00:09

Sahil Machine - VMware Workstation

File Edit View VM Tabs Help

Home

Sahil Machine

24/01/04 13:38:13 INFO namenode.NameNode: SHUTDOWN_MSG:
/*****
SHUTDOWN_MSG: Shutting down NameNode at localhost/127.0.0.1
*****/
[root@localhost hadoop1# cd /usr/local/hadoop/sbin
[root@localhost sbin# sh start-dfs.sh
24/01/04 13:39:28 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
Starting namenodes on [localhost]
The authenticity of host 'localhost (::1)' can't be established.
ECDSA key fingerprint is SHA256:ismBYyTH9bWwyA2R1pxFSwmyyZyc5CxxDkJqcyuE1GQ.
ECDSA key fingerprint is MD5:db:9e:67:de:43:3a:68:2b:68:3e:e1:f7:42:76:68:ad.
Are you sure you want to continue connecting (yes/no)? yes
localhost: Warning: Permanently added 'localhost' (ECDSA) to the list of known hosts.
root@localhost's password:
localhost: starting namenode, logging to /usr/local/hadoop/logs/hadoop-root-namenode-localhost.localdomain.out
root@localhost's password:
localhost: starting datanode, logging to /usr/local/hadoop/logs/hadoop-root-datanode-localhost.localdomain.out
Starting secondary namenodes [0.0.0.0]
The authenticity of host '0.0.0.0 (0.0.0.0)' can't be established.
ECDSA key fingerprint is SHA256:ismBYyTH9bWwyA2R1pxFSwmyyZyc5CxxDkJqcyuE1GQ.
ECDSA key fingerprint is MD5:db:9e:67:de:43:3a:68:2b:68:3e:e1:f7:42:76:68:ad.
Are you sure you want to continue connecting (yes/no)? yes
0.0.0.0: Warning: Permanently added '0.0.0.0' (ECDSA) to the list of known hosts.
root@0.0.0.0's password:
0.0.0.0: starting secondarynamenode, logging to /usr/local/hadoop/logs/hadoop-root-secondarynamenode-localhost.localdomain.out
24/01/04 13:41:06 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
[root@localhost sbin# jps
7490 NameNode
7607 DataNode
7867 Jps
7758 SecondaryNameNode
[root@localhost sbin#

To direct input to this VM, click inside or press Ctrl+G.

Windows Taskbar

17°C Clear

00:11

Sahil Machine - VMware Workstation

File Edit View VM Tabs Help

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```
root@localhost's password:
localhost: starting namenode, logging to /usr/local/hadoop/logs/hadoop-root-namenode-localhost.localdomain.out
root@localhost's password:
localhost: starting datanode, logging to /usr/local/hadoop/logs/hadoop-root-datanode-localhost.localdomain.out
Starting secondary namenodes [0.0.0.0]
The authenticity of host '0.0.0.0 (0.0.0.0)' can't be established.
ECDSA key fingerprint is SHA256:ismDygtH9bWkyA2R1pxFSwnypZYc5CxxOkJgcyaEIQ.
ECDSA key fingerprint is MD5:db:9e:67:de:43:3a:68:2b:68:3e:e1:f7:42:76:68:ad.
Are you sure you want to continue connecting (yes/no)? yes
0.0.0.0: Warning: Permanently added '0.0.0.0' (ECDSA) to the list of known hosts.
root@0.0.0.0's password:
0.0.0.0: starting secondarynamenode, logging to /usr/local/hadoop/logs/hadoop-root-secondarynamenode-localhost.localdomain.out
24/01/04 13:41:06 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
[root@localhost sbin]# jps
7490 NameNode
7607 DataNode
7867 Jps
7758 SecondaryNameNode
[root@localhost sbin]# sh start-yarn.sh
starting yarn daemons
starting resourcemanager, logging to /usr/local/hadoop/logs/yarn-root-resourcemanager-localhost.localdomain.out
root@localhost's password:
localhost: starting nodemanager, logging to /usr/local/hadoop/logs/yarn-root-nodemanager-localhost.localdomain.out
[root@localhost sbin]# jps
7490 NameNode
8195 NodeManager
8227 Jps
7607 DataNode
7915 ResourceManager
7758 SecondaryNameNode
[root@localhost sbin]# _
```

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Windows Search 17°C Clear ENG 00:12

```

7758 SecondaryNameNode
[root@localhost sbin]# nmcli conn show
NAME UUID TYPE DEVICE
ens33 6ef1dee9-c4fe-4496-aea6-1ea36500ebf0 ethernet --
[root@localhost sbin]# nmcli conn up ens33
Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/1)
[root@localhost sbin]# ip addr show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 1000
    link/ether 00:0c:29:69:f2:18 brd ff:ff:ff:ff:ff:ff
    inet 192.168.139.128/24 brd 192.168.139.255 scope global noprefixroute dynamic ens33
        valid_lft 1792sec preferred_lft 1792sec
    inet6 fe00::cbc:6cc6:0759:375/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
[root@localhost sbin]# sudo systemctl status firewalld
■ firewalld.service - firewalld - dynamic firewall daemon
   Loaded: loaded (/usr/lib/systemd/system/firewalld.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2024-01-04 12:58:49 EST; 49min ago
     Docs: man:firewalld(1)
   Main PID: 6256 (firewalld)
   CGroup: /system.slice/firewalld.service
           └─6256 /usr/bin/python -Es /usr/sbin/firewalld --nofork --nopid

Jan 04 12:58:48 localhost.localdomain systemd[1]: Starting firewalld - dynamic firewall daemon...
Jan 04 12:58:49 localhost.localdomain systemd[1]: Started firewalld - dynamic firewall daemon.
[root@localhost sbin]# sudo systemctl stop firewalld
[root@localhost sbin]# sudo systemctl disable firewalld
Removed symlink /etc/systemd/system/multi-user.target.wants/firewalld.service.
Removed symlink /etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service.
[root@localhost sbin]# _
    
```

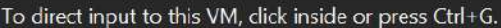
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First Pr

```
export PATH=$PATH:/usr/local/java/bin
export HADOOP_HOME=/usr/local/hadoop
export HADOOP_INSTALL=$HADOOP_HOME
export HADOOP_MAPRED_HOME=$HADOOP_HOME
export HADOOP_COMMON_HOME=$HADOOP_HOME
export HADOOP_HDFS_HOME=$HADOOP_HOME
export YARN_HOME=$HADOOP_HOME
export HADOOP_COMMON_LIB_NATIVE_DIR=$HADOOP_HOME/lib/native
export PATH=$PATH:$HADOOP_HOME/sbin:$HADOOP_HOME/bin
"/etc/profile" 86L, 2221C written
root@localhost /1# source /etc/profile
root@localhost /1# jps
7490 NameNode
8195 NodeManager
7687 DataNode
7915 ResourceManager
7758 SecondaryNameNode
8574 Jps
root@localhost /1# hdfs dfs -mkdir/sample
mkdir/sample: Unknown command
root@localhost /1# hdfs dfs -mkdir /sample
24/01/04 13:59:43 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
mkdir: '/sample': File exists
root@localhost /1# ls
bin dev home lib64 mnt proc run srv sys usr
boot etc lib media opt root sbin storage tmp var
root@localhost /1# hdfs dfs -ls
24/01/04 14:00:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
ls: '.': No such file or directory
root@localhost /1# hdfs dfs -ls /
24/01/04 14:01:30 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
Found 1 items
drwxr-xr-x - root supergroup 0 2024-01-04 13:54 /sample
root@localhost /1# hdfs dfs -put aapl.csv /sample
```

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```

root@localhost ~# mv aapl.csv /
root@localhost ~# cd /
root@localhost /# ls
aapl.csv boot etc lib media opt root sbin storage tmp var
bin dev home lib64 mnt proc run srv sys usr
root@localhost /# hdfs dfs -put aapl.csv /sample
24/01/04 14:06:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
root@localhost /# ls
aapl.csv boot etc lib media opt root sbin storage tmp var
bin dev home lib64 mnt proc run srv sys usr
root@localhost /# cd storage
root@localhost storage# ls
data name
root@localhost storage# cd data
root@localhost data# ls
current in use.lock
root@localhost data# cd current
root@localhost current# ls
BP-1354058553-127.0.0.1-1704393492989 VERSION
root@localhost current# cd BP-1354058553-127.0.0.1-1704393492989
root@localhost BP-1354058553-127.0.0.1-1704393492989# ls
current scanner.cursor tmp
root@localhost BP-1354058553-127.0.0.1-1704393492989# cd current
root@localhost current# ls
finalized rbw VERSION
root@localhost current# cd finalized
root@localhost finalized# ls
subdir0
root@localhost finalized# cd subdir0
root@localhost subdir0# ls
subdir0
root@localhost subdir0# cd subdir0
root@localhost subdir0# ls
blk_1073741025 blk_1073741025_1001.meta
root@localhost subdir0# _
    
```

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