New Virtual Machine Wizard

Name the Virtual Machine

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

Virtual machine name:

AkashSatpute

Location:

C:\Users\ab31s\OneDrive\Documents\Virtual Machines\AkashSatp   Browse...

The default location can be changed at Edit > Preferences.

< Back   Next >   Cancel

INSTALLATION SUMMARY

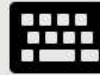## CENTOS 7 INSTALLATION

⌨ in (eng)   Help!

LOCALIZATION

🕐 **DATE & TIME**
Asia/Kolkata timezone

⌨ **KEYBOARD**
English (India, with rupee)

LANGUAGE SUPPORT
English (India)

SOFTWARE

⊙ **INSTALLATION SOURCE**
Local media

SOFTWARE SELECTION
Minimal Install

SYSTEM

INSTALLATION DESTINATION

KDUMP

Quit   Begin Installation

We won't touch your disks until you click 'Begin Installation'.

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

4-bit as you would on a physical computer. When you are done and the operating system boots up, click "I
g".

I Finished Installing   Change Di

USER SETTINGS

🔑 **ROOT PASSWORD**
Root password is set

👤 **USER CREATION**
No user will be created

⟳ Performing post-installation setup tasks

entOS Virtualization SIG

rtualization in CentOS, virtualization of CentOS.

ki.centos.org/SpecialInterestGroup

USER SETTINGS

🔑 **ROOT PASSWORD**
Root password is set

👤 **USER CREATION**
No user will be created

Complete!

CentOS is now successfully installed and ready for you to use!
Go ahead and reboot to start using it!

Reboot

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

localhost login:
```

Akash ✕

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

localhost login: root
Password:
[root@localhost ~]#
```

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

localhost login: root
Password:
[root@localhost ~]# nmcli con show
NAME     UUID                                   TYPE      DEVICE
ens33    bf8790dc-d312-43ad-81b8-1b83197e43a8   ethernet  --
[root@localhost ~]# _
```

Akash

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

localhost login: root
Password:
[root@localhost ~]# nmcli con show
NAME    UUID                                  TYPE      DEVICE
ens33   bf8790dc-d312-43ad-81b8-1b83197e43a8  ethernet  --
[root@localhost ~]# nmcli con up ens33
Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/1)
[root@localhost ~]#
```

Akash ✕

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

localhost login: root
Password:
[root@localhost ~]# nmcli con show
NAME    UUID                                  TYPE      DEVICE
ens33   bf8790dc-d312-43ad-81b8-1b83197e43a8  ethernet  --
[root@localhost ~]# nmcli con up ens33
Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/1)
[root@localhost ~]# ip addr
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:29:2b:0d:d0 brd ff:ff:ff:ff:ff:ff
    inet 192.168.17.131/24 brd 192.168.17.255 scope global noprefixroute dynamic ens33
       valid_lft 1748sec preferred_lft 1748sec
    inet6 fe80::aca3:c772:8b2f:abe8/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
[root@localhost ~]#
```

```
jdk1.8.0_161/jre/lib/amd64/libj2pcsc.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/libjdwp.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/libavplugin-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/libavplugin-55.so
jdk1.8.0_161/jre/lib/amd64/libawt.so
jdk1.8.0_161/jre/lib/amd64/libjawt.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/jce.jar
jdk1.8.0_161/jre/lib/flavormap.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/jre/lib/amd64/libjdwp.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/libavplugin-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/libavplugin-55.so
jdk1.8.0_161/jre/lib/amd64/libawt.so
jdk1.8.0_161/jre/lib/amd64/libjawt.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/jce.jar
jdk1.8.0_161/jre/lib/flavormap.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 ~]# nmcli con show
NAME     UUID                                   TYPE      DEVICE
ens33    bf8790dc-d312-43ad-81b8-1b83197e43a8   ethernet  ens33
[root@localhost ~]#
```

```
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/libavplugin-55.so
jdk1.8.0_161/jre/lib/amd64/libawt.so
jdk1.8.0_161/jre/lib/amd64/libjawt.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/jce.jar
jdk1.8.0_161/jre/lib/flavormap.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 ~]# nmcli con show
NAME    UUID                                  TYPE      DEVICE
ens33   bf8790dc-d312-43ad-81b8-1b83197e43a8  ethernet  ens33
[root@localhost ~]# mv jdk
jdk1.8.0_161/                      jdk-8u161-linux-x64 (1).tar.gz
[root@localhost ~]#
[root@localhost ~]# mv jdk-8u161-linux-x64\ \(1\).tar.gz /usr/local/java
[root@localhost ~]#
```

```
jdk1.8.0_161/README.html
[root@localhost ~]# mv jdk
jdk1.8.0_161/                    jdk-8u161-linux-x64 (1).tar.gz
[root@localhost ~]# mv jdk1.8.0_161/ /usr/local/java_
```

```
        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
    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}" != "$-" ]; then
            . "$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 ~]#
```

```
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
    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}" != "$-" ]; then
            . "$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" 79L, 1892C written
[root@localhost ~]# source /etc/profile
[root@localhost ~]# jps
7519 Jps
[root@localhost ~]# _
```

```
[root@localhost ~]# tar -xvf hadoop-2.7.2.tar.gz
```

```
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 ~]# _
```

```
[root@localhost ~]# mv hadoop-2.7.2 /usr/local/hadoop
[root@localhost ~]# _
```

```
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}" != "$-" ]; then
            . "$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/bin
"/etc/profile" 89L, 2220C written
[root@localhost ~]#
```

```
[root@localhost ~]# cd /usr/local/hadoop/etc/hadoop/
[root@localhost hadoop]# ls
capacity-scheduler.xml    hadoop-env.sh              httpfs-env.sh            kms-env.sh              mapred-
configuration.xsl         hadoop-metrics2.properties httpfs-log4j.properties  kms-log4j.properties    mapred-
container-executor.cfg    hadoop-metrics.properties  httpfs-signature.secret  kms-site.xml            mapred-
core-site.xml             hadoop-policy.xml          httpfs-site.xml          log4j.properties        slaves
hadoop-env.cmd            hdfs-site.xml              kms-acls.xml             mapred-env.cmd          ssl-cli
[root@localhost hadoop]# vi hadoop-env.sh
```

```
# The java implementation to use.
export JAVA_HOME=/usr/local/java
```

```xml
<!-- Put site-specific property overrides in this file. -->

<configuration>
<property>
<name>fs.default.name</name>
<value>hdfs://localhost:9000</value>
</property>
</configuration>
```
"core-site.xml" 24L, 863C written
[root@localhost hadoop]#

```
<!-- Put site-specific property overrides in this file. -->

<configuration>
<property>
<name>dfs.replication</name>
<value>1</value>
</property>

<property>
<name>dfs.name.dir</name>
<value>file:///storage/name</value>
</property>

<property>
<name>dfs.data.dir</name>
<value>file:///storage/data</value>
</property>
</configuration>
~
~
~
~
~
~
~
~
~
~
~
~
~
~
-- INSERT --
```

Install CentOS 64-bit as you would on a physical

```xml
<!-- Put site-specific property overrides in this file. -->

<configuration>
<property>
<name>dfs.replication</name>
<value>1</value>
</property>

<property>
<name>dfs.name.dir</name>
<value>file:///storage/name</value>
</property>

<property>
<name>dfs.data.dir</name>
<value>file:///storage/data</value>
</property>
</configuration>
~
~
~
~
~
~
~
~
~
~
~
~
~
"hdfs-site.xml" 34L, 1015C written
[root@localhost hadoop]#
```

```
[root@localhost hadoop]# vi mapred-site.xml
```

```
<!-- Put site-specific property overrides in this file. -->

<configuration>
<property>
<name>mapreduce.framework.name</name>
<value>yarn</value>
</property>

</configuration>
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
"mapred-site.xml" 25L, 839C written
[root@localhost hadoop]# _
```

```
"mapred-site.xml" 25L, 839C written
[root@localhost hadoop]# vi yarn-site.xml
```

```
<configuration>

<!-- Site specific YARN configuration properties -->
<property>
<name>yarn.nodemanager.aux-services</name>
<value>mapreduce_shuffle</value>
</property>

</configuration>
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
"yarn-site.xml" 23L, 789C written
[root@localhost hadoop]# hdfs namenode -format_
```

```
24/01/04 23:35:45 INFO util.GSet: Computing capacity for map INodeMap
24/01/04 23:35:45 INFO util.GSet: VM type           = 64-bit
24/01/04 23:35:45 INFO util.GSet: 1.0% max memory 966.7 MB = 9.7 MB
24/01/04 23:35:45 INFO util.GSet: capacity          = 2^20 = 1048576 entries
24/01/04 23:35:45 INFO namenode.FSDirectory: ACLs enabled? false
24/01/04 23:35:45 INFO namenode.FSDirectory: XAttrs enabled? true
24/01/04 23:35:45 INFO namenode.FSDirectory: Maximum size of an xattr: 16384
24/01/04 23:35:45 INFO namenode.NameNode: Caching file names occuring more than 10 times
24/01/04 23:35:45 INFO util.GSet: Computing capacity for map cachedBlocks
24/01/04 23:35:45 INFO util.GSet: VM type           = 64-bit
24/01/04 23:35:45 INFO util.GSet: 0.25% max memory 966.7 MB = 2.4 MB
24/01/04 23:35:45 INFO util.GSet: capacity          = 2^18 = 262144 entries
24/01/04 23:35:45 INFO namenode.FSNamesystem: dfs.namenode.safemode.threshold-pct = 0.99900001287460
33
24/01/04 23:35:45 INFO namenode.FSNamesystem: dfs.namenode.safemode.min.datanodes = 0
24/01/04 23:35:45 INFO namenode.FSNamesystem: dfs.namenode.safemode.extension      = 30000
24/01/04 23:35:45 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.window.num.buckets = 10
24/01/04 23:35:45 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.num.users = 10
24/01/04 23:35:45 INFO metrics.TopMetrics: NNTop conf: dfs.namenode.top.windows.minutes = 1,5,25
24/01/04 23:35:45 INFO namenode.FSNamesystem: Retry cache on namenode is enabled
24/01/04 23:35:45 INFO namenode.FSNamesystem: Retry cache will use 0.03 of total heap and retry cach
e entry expiry time is 600000 millis
24/01/04 23:35:45 INFO util.GSet: Computing capacity for map NameNodeRetryCache
24/01/04 23:35:45 INFO util.GSet: VM type           = 64-bit
24/01/04 23:35:45 INFO util.GSet: 0.029999999329447746% max memory 966.7 MB = 297.0 KB
24/01/04 23:35:45 INFO util.GSet: capacity          = 2^15 = 32768 entries
24/01/04 23:35:45 INFO namenode.FSImage: Allocated new BlockPoolId: BP-373503022-127.0.0.1-170439154
5629
24/01/04 23:35:45 INFO common.Storage: Storage directory /storage/name has been successfully formatt
ed.
24/01/04 23:35:46 INFO namenode.NNStorageRetentionManager: Going to retain 1 images with txid >= 0
24/01/04 23:35:46 INFO util.ExitUtil: Exiting with status 0
24/01/04 23:35:46 INFO namenode.NameNode: SHUTDOWN_MSG:
/************************************************************
SHUTDOWN_MSG: Shutting down NameNode at localhost/127.0.0.1
************************************************************/
[root@localhost hadoop]#
```

le or press Ctrl+G.

```
[root@localhost hadoop]# hdfs namenode -format
```

```
[root@localhost hadoop]# cd /usr/local/hadoop/sbin/
[root@localhost sbin]# start dfs.sh
-bash: start: command not found
```

```
[root@localhost sbin]# start dfs.sh_
```

```
[root@localhost sbin]# sh start-dfs.sh
which: no start-dfs.sh in (/usr/local/sbin:/usr/local/bin:/sbin:/bin:/usr/sbin:/usr/bin:/root/bin:/usr/loc
sr/local/hadoop/bin)
23/08/20 22:30:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... us
Starting namenodes on [localhost]
The authenticity of host 'localhost (::1)' can't be established.
ECDSA key fingerprint is SHA256:tSaXHr1CBIk+wQ93joVc8kzeNIwh9TniAS/Vb5zRfKU.
ECDSA key fingerprint is MD5:94:a1:b0:0f:29:38:77:f2:b0:41:1c:d1:aa:93:9e:67.
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: _
```

```
jdk1.8.0_161/jre/README
jdk1.8.0_161/README.html
[root@localhost ~]# ls
anaconda-ks.cfg  hadoop-2.7.2.tar.gz  jdk1.8.0_161  jdk-8u161-linux-x64 (1).tar.gz
[root@localhost ~]# mv jdk1.8.0_161/ /usr/local/java
[root@localhost ~]# cd /usr/local/java
[root@localhost java]# cd ..
[root@localhost local]# ls
bin  etc  games  hadoop  include  java  lib  lib64  libexec  sbin  share  src
[root@localhost local]# cd ..
[root@localhost usr]# cd ..
[root@localhost /]# cd ..
[root@localhost /]# cd ~
[root@localhost ~]# jps
bash: jps: command not found
[root@localhost ~]# source /etc/profile
[root@localhost ~]# jps
7471 Jps
[root@localhost ~]# cd /usr/local/hadoop/sbin/
[root@localhost sbin]# ls
distribute-exclude.sh   mr-jobhistory-daemon.sh   start-dfs.sh         stop-dfs.cmd
hadoop-daemon.sh        refresh-namenodes.sh      start-secure-dns.sh  stop-dfs.sh
hadoop-daemons.sh       slaves.sh                 start-yarn.cmd       stop-secure-dns.sh
hdfs-config.cmd         start-all.cmd             start-yarn.sh        stop-yarn.cmd
hdfs-config.sh          start-all.sh              stop-all.cmd         stop-yarn.sh
httpfs.sh               start-balancer.sh         stop-all.sh          yarn-daemon.sh
kms.sh                  start-dfs.cmd             stop-balancer.sh     yarn-daemons.sh
[root@localhost sbin]# sh start-yarn.sh
starting yarn daemons
which: no start-yarn.sh in (/usr/local/sbin:/sbin:/bin:/usr/sbin:/usr/bin:/usr/local/java/bin:/u
ocal/hadoop/bin)
starting resourcemanager, logging to /usr/local/hadoop/logs/yarn-root-resourcemanager-localhost.
ldomain.out
root@localhost's password:
localhost: starting nodemanager, logging to /usr/local/hadoop/logs/yarn-root-nodemanager-localho
ocaldomain.out
[root@localhost sbin]#
```

```
[root@localhost /]# jps
9792 ResourceManager
9363 NameNode
10099 Jps
9961 NodeManager
9642 SecondaryNameNode
9486 DataNode
[root@localhost /]# jps
9792 ResourceManager
9363 NameNode
9961 NodeManager
9642 SecondaryNameNode
10253 Jps
9486 DataNode
[root@localhost /]# hdfs dfs -mkdir sample/
24/01/05 11:38:01 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
mkdir: `sample/': No such file or directory
[root@localhost /]# ip addr
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 10
00
    link/ether 00:0c:29:2b:0d:d0 brd ff:ff:ff:ff:ff:ff
    inet 192.168.17.131/24 brd 192.168.17.255 scope global noprefixroute dynamic ens33
       valid_lft 1340sec preferred_lft 1340sec
    inet6 fe80::cb5c:4425:948d:2f88/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
[root@localhost /]# hdfs dfs -put data data.txt /sample/
```

```
[root@localhost /]# hdfs dfs -put time_prediction.csv  /sample/
24/01/05 11:50:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
put: `time_prediction.csv': No such file or directory
[root@localhost /]# cd /root
[root@localhost ~]# ls
anaconda-ks.cfg  hadoop-2.7.2.tar.gz  jdk-8u161-linux-x64 (1).tar.gz  time_prediction.csv
[root@localhost ~]# mv time_prediction.csv  /
[root@localhost ~]# cd /
[root@localhost /]# hdfs dfs -put time_prediction.csv  /sample/
24/01/05 11:50:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
[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-1301626652-127.0.0.1-1704434012559   VERSION
[root@localhost current]# cd BP-1301626652-127.0.0.1-1704434012559/
[root@localhost BP-1301626652-127.0.0.1-1704434012559]# ls
current  scanner.cursor  tmp
[root@localhost BP-1301626652-127.0.0.1-1704434012559]# 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]# cd subdir0/
[root@localhost subdir0]# ls
blk_1073741825  blk_1073741825_1001.meta
[root@localhost subdir0]# _
```

```
24/01/05 11:48:42 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
[root@localhost /]# hdfs dfs -put time_prediction.csv  /sample/
24/01/05 11:50:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
put: `time_prediction.csv': No such file or directory
[root@localhost /]# cd /root
[root@localhost ~]# ls
anaconda-ks.cfg  hadoop-2.7.2.tar.gz  jdk-8u161-linux-x64 (1).tar.gz  time_prediction.csv
[root@localhost ~]# mv time_prediction.csv  /
[root@localhost ~]# cd /
[root@localhost /]# hdfs dfs -put time_prediction.csv  /sample/
24/01/05 11:50:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
[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-1301626652-127.0.0.1-1704434012559  VERSION
[root@localhost current]# cd BP-1301626652-127.0.0.1-1704434012559/
[root@localhost BP-1301626652-127.0.0.1-1704434012559]# ls
current  scanner.cursor  tmp
[root@localhost BP-1301626652-127.0.0.1-1704434012559]# 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]# cd subdir0/
[root@localhost subdir0]# ls
blk_1073741825  blk_1073741825_1001.meta
[root@localhost subdir0]#
```

```
24/01/05 11:48:42 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
[root@localhost /]# hdfs dfs -put time_prediction.csv  /sample/
24/01/05 11:50:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
put: `time_prediction.csv': No such file or directory
[root@localhost /]# cd /root
[root@localhost ~]# ls
anaconda-ks.cfg  hadoop-2.7.2.tar.gz  jdk-8u161-linux-x64 (1).tar.gz  time_prediction.csv
[root@localhost ~]# mv time_prediction.csv  /
[root@localhost ~]# cd /
[root@localhost /]# hdfs dfs -put time_prediction.csv  /sample/
24/01/05 11:50:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform
... using builtin-java classes where applicable
[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-1301626652-127.0.0.1-1704434012559  VERSION
[root@localhost current]# cd BP-1301626652-127.0.0.1-1704434012559/
[root@localhost BP-1301626652-127.0.0.1-1704434012559]# ls
current  scanner.cursor  tmp
[root@localhost BP-1301626652-127.0.0.1-1704434012559]# 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]# cd subdir0/
[root@localhost subdir0]# ls
blk_1073741825  blk_1073741825_1001.meta
[root@localhost subdir0]#
```