

```
Activities Terminal Nov 21 15:17
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ sudo apt update
[sudo] password for cse:
Get:1 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal InRelease
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [40.7 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [94.3 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [940 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [275 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [407 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [946 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu focal-backports/main i386 Packages [36.1 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu focal-backports/main amd64 DEP-11 Packages [45.1 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 DEP-11 Metadata [7,972 kB]
Get:14 http://in.archive.ubuntu.com/ubuntu focal-backports/universe amd64 Packages [24.0 kB]
Get:15 http://in.archive.ubuntu.com/ubuntu focal-backports/universe i386 Packages [13.5 kB]
Get:16 http://in.archive.ubuntu.com/ubuntu focal-backports/universe Translation-en [16.0 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [30.5 kB]
Fetched 1,328 kB in 3s (519 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
96 packages can be upgraded. Run 'apt list --upgradable' to see them.
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ sudo apt install openjdk-8-jdk -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  liblwmpdplugin1
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  openjdk-8-jdk-headless openjdk-8-jre openjdk-8-jre-headless
Suggested packages:
  openjdk-8-demo openjdk-8-source visualvm fonts-lpafont-gothic
  fonts-lpafont-nimcha fonts-wqy-microhei fonts-wqy-zhenhei
The following NEW packages will be installed:
  openjdk-8-jdk openjdk-8-jdk-headless openjdk-8-jre openjdk-8-jre-headless
0 upgraded, 4 newly installed, 0 to remove and 96 not upgraded.
Need to get 40.6 MB of archives.
After this operation, 148 kB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 openjdk-8-jre-headless amd64 8u352-ga-1-20.04 [28.2 MB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 openjdk-8-jre amd64 8u352-ga-1-20.04 [69.9 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 openjdk-8-jdk-headless amd64 8u352-ga-1-20.04 [8,293 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 openjdk-8-jdk amd64 8u352-ga-1-20.04 [4,015 kB]
Fetched 40.6 MB in 6s (6.397 kB/s)
```

```
Activities Terminal Nov 21 15:19
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ java -version; javac -version
openjdk version "11.0.16" 2022-07-19
OpenJDK Runtime Environment (build 11.0.16+8-post-Ubuntu-0ubuntu120.04)
OpenJDK 64-BIT Server VM (build 11.0.16+8-post-Ubuntu-0ubuntu120.04, mixed mode, sharing)
javac 11.0.16
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ sudo apt install openssh-server openssh-client -y
[sudo] password for cse:
Reading package lists... Done
Building dependency tree
Reading state information... Done
openssh-client is already the newest version (1:8.2p1-4ubuntu0.5).
openssh-client set to manually installed.
openssh-server is already the newest version (1:8.2p1-4ubuntu0.5).
The following package was automatically installed and is no longer required:
  liblwmpdplugin1
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 96 not upgraded.
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ sudo adduser hdoop
Adding user `hdoop' ...
Adding new group `hdoop' (1003) ...
Adding new user `hdoop' (1003) with group `hdoop' ...
Creating home directory `/home/hdoop' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing user `Information for hdoop'
Enter the new value, or press ENTER for the default
  Full Name []: shivani santosh sorte
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] y
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$
```

Activities Terminal Nov 21 15:46

```
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/home/hadoop
```

Work Phone []:
Home Phone []:
Other []:

Is the information correct? [Y/n] y

```
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ su - hdoop
```

Password:

```
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ ssh-keygen -t rsa -P '' -f ~/.ssh/id_rsa
```

Generating public/private rsa key pair.
Created directory '/home/hadoop/.ssh'.
Your identification has been saved in /home/hadoop/.ssh/id_rsa
Your public key has been saved in /home/hadoop/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:PT0MDFmJ2/wiCHWdfu19XijYzINhkdAJpi+6BYT8 hadoop@cse-HP-Z1-G9-Tower-Desktop-PC

The key is:

```
[RSA 3072]-----  
-----  
0.0=++  
| .0++  
| = .0++  
o = .0.o*+  
o E o So+++.+  
o o o ++  
o . =  
o ..  
-----  
[SHA256]-----
```

```
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ cat ~/.ssh/id_rsa.pub > ~/.ssh/authorized_keys  
-bash: syntax error near unexpected token `&'  
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ cat ~/.ssh/id_rsa.pub >> ~/.ssh/authorized_keys  
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ chmod 0600 ~/.ssh/authorized_keys  
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ ssh localhost  
The authenticity of host 'localhost (127.0.0.1)' can't be established.  
ECDSA key fingerprint is SHA256:kDZXLHfdX6y3vcoE23tj29ogA81Q2wxTjrXl17NwE.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'localhost' (ECDSA) to the list of known hosts.  
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-50-generic x86_64)
```

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/advantage>

101 updates can be applied immediately.
89 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Your Hardware Enablement Stack (HWE) is supported until April 2025.

Activities Terminal Nov 21 15:57

```
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/home/hadoop
```

```
[0 0 0 ++  
| 0 . =  
| o ..  
-----  
[SHA256]-----
```

```
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ cat ~/.ssh/id_rsa.pub > ~/.ssh/authorized_keys  
-bash: syntax error near unexpected token `&'  
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ cat ~/.ssh/id_rsa.pub >> ~/.ssh/authorized_keys  
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ chmod 0600 ~/.ssh/authorized_keys  
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ ssh localhost  
The authenticity of host 'localhost (127.0.0.1)' can't be established.  
ECDSA key fingerprint is SHA256:kDZXLHfdX6y3vcoE23tj29ogA81Q2wxTjrXl17NwE.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'localhost' (ECDSA) to the list of known hosts.  
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-50-generic x86_64)
```

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/advantage>

101 updates can be applied immediately.
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To see these additional updates run: apt list --upgradable

Your Hardware Enablement Stack (HWE) is supported until April 2025.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

```
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ ssh -o UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no  
usage: ssh [-46AcftGgKkMnngsTtvXXxy] [-B bind_interface]  
           [-b bind_address] [-c cipher_spec] [-D [bind_address:]port]  
           [-E log_file] [-e escape_char] [-F configFile] [-I pkcs11]  
           [-i identity_file] [-M mac_spec] [-O ctl_cmd] [-o option] [-p port]  
           [-L address]  
           [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]  
           [-R query_option] [-S R_address] [-S ctl_path] [-W host:port]  
           [-W local_tun[:remote_tun]] destination [command]
```

```
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ ssh localhost  
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-50-generic x86_64)
```

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>

Activities Firefox Web Browser Nov 21 15:26

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https://hadoop.apache.org/releases.html

Apache Hadoop Download Documentation Community Development Help Apache Software Foundation

Download

Hadoop is released as source code tarballs with corresponding binary tarballs for convenience. The downloads are distributed via mirror sites and should be checked for tampering using GPG or SHA-512.

Version	Release date	Source download	Binary download	Release notes
3.3.4	2022 Aug 8	source (checksum signature)	binary (checksum signature) binary-aarch64 (checksum signature)	Announcement
3.2.4	2022 Jul 22	source (checksum signature)	binary (checksum signature)	Announcement
2.10.2	2022 May 31	source (checksum signature)	binary (checksum signature)	Announcement

To verify Hadoop releases using GPG:

1. Download the release hadoop-X.Y.Zsrc.tar.gz from a mirror site.
2. Download the signature file hadoop-X.Y.Zsrc.tar.gz.asc from Apache.
3. Download the Hadoop KEYS file.
4. gpg --import KEYS
5. gpg --verify hadoop-X.Y.Zsrc.tar.gz.asc

To perform a quick check using SHA-512:

1. Download the release hadoop-X.Y.Zsrc.tar.gz from a mirror site.
2. Download the checksum hadoop-X.Y.Zsrc.tar.gz.sha512 or hadoop-X.Y.Zsrc.tar.gz.mds from Apache.
3. shasum -a 512 hadoop-X.Y.Zsrc.tar.gz

All previous releases of Hadoop are available from the Apache release archive site.

Many third parties distribute products that include Apache Hadoop and related tools. Some of these are listed on the [Distributions](#) wiki page.

License

The software licensed under [Apache License 2.0](#)

<https://www.apache.org/dyn/closer.cgi/hadoop/common/hadoop-3.2.4/hadoop-3.2.4.tar.gz>

Activities Firefox Web Browser Nov 21 15:26

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https://www.apache.org/dyn/closer.cgi/hadoop/common/hadoop-3.2.4/hadoop-3.2.4.tar.gz

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SUPPORT THE APACHE WAY

We suggest the following site for your download:
<https://dlcdn.apache.org/hadoop/common/hadoop-3.2.4/hadoop-3.2.4.tar.gz>

Alternate download locations are suggested below.
It is essential that you verify the integrity of the downloaded file using the PGP signature ([.asc](#) file) or a hash ([.md5](#) or [.sha*](#) file).

HTTP <https://dlcdn.apache.org/hadoop/common/hadoop-3.2.4/hadoop-3.2.4.tar.gz>

BACKUP SITE
<https://dlcdn.apache.org/hadoop/common/hadoop-3.2.4/hadoop-3.2.4.tar.gz>

VERIFY THE INTEGRITY OF THE FILES

It is essential that you verify the integrity of the downloaded file using the PGP signature ([.asc](#) file) or a hash ([.md5](#) or [.sha*](#) file). Please read [Verifying Apache Software Foundation Releases](#) for more information on why you should verify our releases.

Verify the PGP signature using PGP or GPG. First download the [KEYS](#) as well as the [.asc](#) signature file for the relevant distribution.

```
% gpg --import KEYS  
% gpg --verify downloaded_file.asc downloaded_file
```

or

```
% pgpk -a KEYS
```

Activities Terminal Nov 21 15:28 hdoop@cse-HP-Z1-G9-Tower-Desktop-PC: ~

```
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

hdoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ ssh -o UserKnownHostsFile=/dev/null -o StrictHostKeyChecking=no
usage: ssh [-46AcfGgKMMngstvxxy] [-B bind_interface]
           [-b bind_address] [-c cipher_spec] [-D [bind_address]:port]
           [-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
           [-i identity_file] [-J [user@host[:port]] [-L address]
           [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
           [-Q query_option] [-R address] [-S ctl_path] [-s host:port]
           [-W local_tun[:remote_tun]] destination [command]
hdoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ ssh localhost
Welcome to Ubuntu 20.04.5 LTS (GNU/Linux 5.15.0-50-generic x86_64)

 * Documentation: https://help.ubuntu.com
 * Management: https://landscape.canonical.com
 * Support: https://ubuntu.com/advantage

101 updates can be applied immediately.
89 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

New release '22.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Mon Nov 21 15:22:27 2022 from 127.0.0.1
hdoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ wget https://dlcdn.apache.org/hadoop/common/hadoop-3.2.4/hadoop-3.2.4.tar.gz
--2022-11-21 15:28:00-- https://dlcdn.apache.org/hadoop/common/hadoop-3.2.4/hadoop-3.2.4.tar.gz
Resolving dlcdn.apache.org (dlcdn.apache.org)... 151.101.2.132, 2a04:4e42:1644
Connecting to dlcdn.apache.org (dlcdn.apache.org)|151.101.2.132|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 492368219 (470M) [application/x-gzip]
Saving to: 'hadoop-3.2.4.tar.gz'

hadoop-3.2.4.tar.gz          100%[=====] 469.56M  59.3MB/s   in 7.4s
2022-11-21 15:28:07 (63.4 MB/s) - 'hadoop-3.2.4.tar.gz' saved [492368219/492368219]

hdoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ tar xzf hadoop-3.2.4.tar.gz
hdoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$
```

Activities Terminal Nov 21 15:45 cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hdoop

```
GNU nano 4.8 /etc/sudoers Modified
#
# This file MUST be edited with the 'visudo' command as root.
#
# Please consider adding local content in /etc/sudoers.d/ instead of
# directly modifying this file.
#
# See the man page for details on how to write a sudoers file.
#
Defaults      env_reset
Defaults      mail_badpass
Defaults      secure_path="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin"

#
# Host alias specification
#
# User alias specification
#
# Cmnd alias specification
#
# User privilege specification
root    ALL=(ALL:ALL) ALL
hdoop  ALL=(ALL:ALL) ALL

#
# Members of the admin group may gain root privileges
%admin  ALL=(ALL:ALL) ALL

#
# Allow members of group sudo to execute any command
%sudo   ALL=(ALL:ALL) ALL

#
# See sudoers(5) for more information on "#include" directives:
#
#include /etc/sudoers.d
```

Activities Terminal Nov 21 16:00 cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop

```
GNU nano 4.8
# some more ls aliases
alias ll='ls -alF'
alias la='ls -A'
alias l='ls -CF'

# Add an "alert" alias for long running commands.  Use like so:
# sleep 10; alert
alias alert="notify-send --urgency=low -t "$([ $( $? = 0 ) && echo terminal || echo error)" "$(history|tail -n1|sed -e '\''s/^[\s*[0-9]]+\s*//;s/[;&]\s*alert$/'\''")"

# Alias definitions.
# You may want to put all your additions into a separate file like
# ~/.bash_aliases, instead of adding them here directly.
# See /usr/share/doc/bash-doc/examples in the bash-doc package.

if [ -f ~/.bash_aliases ]; then
    . ~/.bash_aliases
fi

# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile)
# sources /etc/bash.bashrc.

if ! shopt -q posix; then
    if [ -f /usr/share/bash-completion/bash_completion ]; then
        . /usr/share/bash-completion/bash_completion
    elif [ -f /etc/bash_completion ]; then
        . /etc/bash_completion
    fi
fi

export HADOOP_HOME /home/hadoop/hadoop-3.2.1
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:$HADOOP_HOME/bin
export HADOOP_OPTS="-Djava.library.path=$HADOOP_HOME/lib/native"
```

AC Get Help AO Write Out AN Where Is AK Cut Text AJ Justify AC Cur Pos AU Undo MA Mark Text AT To Bracket M-Q Previous
EX Exit AR Read File AR Replace AP Paste Text AT To Spell AG Go To Line AE Undo MC Copy Text WD Where Was MW Next

Activities Terminal Nov 21 16:00 cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop

```
hadoop-3.2.4.tar.gz          100%[=====] 469.56M 59.3MB/s in 7.4s
2022-11-21 15:28:07 (63.4 MB/s) - 'hadoop-3.2.4.tar.gz' saved [492368219/492368219]

hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ tar xzf hadoop-3.2.4.tar.gz
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ sudo nano .bashrc
[sudo] password for hadoop:
hadoop is not in the sudoers file. This incident will be reported.
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ nano /etc/sudoers
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ sudo su
[sudo] password for hadoop:
hadoop is not in the sudoers file. This incident will be reported.
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ su
Password:
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ su Authentication failure
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ usermod -aG wheel username
usermod: group 'wheel' does not exist
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ sudo su cse
[sudo] password for hadoop:
hadoop is not in the sudoers file. This incident will be reported.
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ sudo su cse
[sudo] password for hadoop:
hadoop is not in the sudoers file. This incident will be reported.
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~$ su cse
Password:
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /home/hadoop/nano /etc/sudoers
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /home/hadoop/sudo nano /etc/sudoers
[sudo] password for cse:
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /home/hadoop/sudo nano .bashrc
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /home/hadoop/source ~/.bashrc
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /home/hadoop/sudo nano $HADOOP_HOME/etc/hadoop/hadoop-env.sh
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /home/hadoop/sudo nano .bashrc
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /home/hadoop/which javac
/usr/bin/javac
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /home/hadoop/sudo ln -sf /usr/bin/java /usr/bin/javac
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /usr/lib/jvm/java-11-openjdk-amd64/bin/javac
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~$ /home/hadoop$
```

Activities Terminal Nov 21 16:04

```
GNU nano 4.8
# Is preferable, modify this file accordingly.

## Generic settings for HADOOP
## Technically, the only required environment variable is JAVA_HOME.
# All others are optional. However, the defaults are probably not
# preferred. Many sites configure these options outside of Hadoop,
# such as in /etc/profile.d

# The java implementation to use. By default, this environment
# variable is REQUIRED on ALL platforms except OS X!
# export JAVA_HOME

export JAVA_HOME=/usr/lib/jvm/java-11-openjdk-amd64/bin/javac

# Location of Hadoop. By default, Hadoop will attempt to determine
# this location based upon its execution path.
# export HADOOP_HOME

# Location of Hadoop's configuration information. i.e., where this
# file is living. If this is not defined, Hadoop will attempt to
# locate it based upon its execution path.

# NOTE: It is recommend that this variable not be set here but in
# /etc/profile.d or equivalent. Some options (such as
# --config) may react strangely otherwise.
#
# export HADOOP_CONF_DIR=$HADOOP_HOME/etc/hadoop

# The maximum amount of heap to use (Java -Xmx). If no unit
# is provided, it will be converted to MB. Daemons will
# prefer any Xmx setting in their respective _OPT variable.
# There is no default; the JVM will autoscale based upon machine
# memory size.
# export HADOOP_HEAPSIZE_MAX

# The minimum amount of heap to use (Java -Xms). If no unit
# is provided, it will be converted to MB. Daemons will

^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos ^U Undo ^A Mark Text ^B To Bracket M-Q Previous
^X Exit ^R Read File ^M Replace ^P Paste Text ^T To Spell ^G Go To Line ^E Redo ^D Copy Text ^D Where Was M-W Next
```

Activities Terminal Nov 21 16:09

```
cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop
GNU nano 4.8
<?xml version="1.0" encoding="UTF-8"?>
<xmlstylesheet type="text/xsl" href="configuration.xsl"?>
<!--
Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
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.
-->

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

<configuration>
<property>
<name>hadoop.tmp.dir</name>
<value>/home/hadoop/tmpdata</value>
</property>
<property>
<name>fs.defaultFS</name>
<value>hdfs://127.0.0.1:9000</value>
</property>
</configuration>
```

[Read 29 lines]

```
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos ^U Undo ^A Mark Text ^B To Bracket M-Q Previous
^X Exit ^R Read File ^M Replace ^P Paste Text ^T To Spell ^G Go To Line ^E Redo ^D Copy Text ^D Where Was M-W Next
```

Activities Terminal Nov 21 16:14

```
cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop
```

GNU nano 4.8 /home/cse/hadoop/hadoop-3.3.4/etc/hadoop/dfs-site.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<xmL-stylesheet type="text/xsl" href="configuration.xsl"?>
<!--
  Licensed under the Apache License, Version 2.0 (the "License");
  you may not use this file except in compliance with the License.
  You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

  Unless required by applicable law or agreed to in writing, software
  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.
-->

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

<configuration>
<property>
  <name>dfs.data.dir</name>
  <value>/home/hadoop/dfsdata/namenode</value>
</property>
<property>
  <name>dfs.data.dir</name>
  <value>/home/hadoop/dfsdata/datanode</value>
</property>
<property>
  <name>dfs.replication</name>
  <value>1</value>
</property>
</configuration>
```

[Read 33 lines]

Get Help Exit Write Out Read File Where Is Replace Cut Text Paste Text Justify To Spell Cur Pos Go To Line Undo Redo Mark Text To Bracket Where Was Previous Next

Activities Terminal Nov 21 16:17

```
cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop
```

GNU nano 4.8 /home/cse/hadoop/hadoop-3.3.4/etc/hadoop/mapred-site.xml

```
<?xml version="1.0"?>
<xmL-stylesheet type="text/xsl" href="configuration.xsl"?>
<!--
  Licensed under the Apache License, Version 2.0 (the "License");
  you may not use this file except in compliance with the License.
  You may obtain a copy of the License at

    http://www.apache.org/licenses/LICENSE-2.0

  Unless required by applicable law or agreed to in writing, software
  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.
-->

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

<configuration>
<property>
  <name>mapreduce.framework.name</name>
  <value>yarn</value>
</property>
<property>
  <name>mapreduce.application.classpath</name>
  <value>$HADOOP_MAPRED_HOME/share/hadoop/mapreduce/*:$HADOOP_MAPRED_HOME/share/hadoop/mapreduce/lib/*</value>
</property>
</configuration>
```

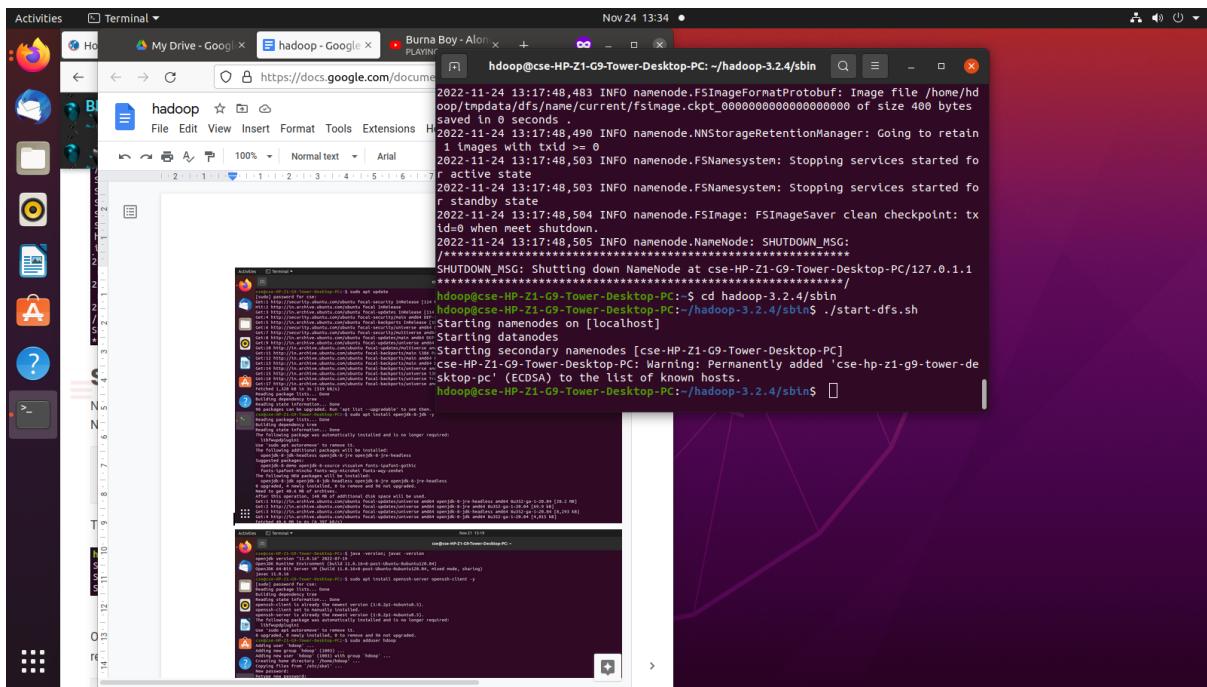
[Read 28 lines]

Get Help Exit Write Out Read File Where Is Replace Cut Text Paste Text Justify To Spell Cur Pos Go To Line Undo Redo Mark Text To Bracket Where Was Previous Next

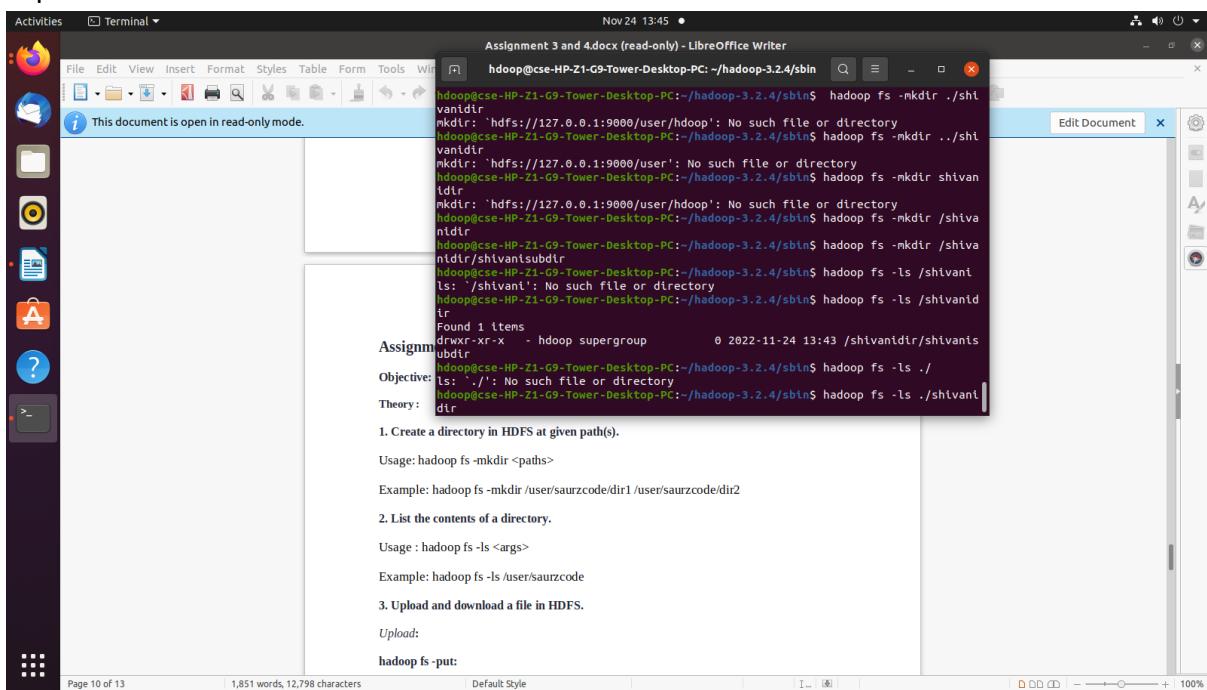
```
Activities Terminal Nov 21 16:19
cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop/dfsdata
GNU nano 4.8
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the license. See accompanying LICENSE file.
-->
<configuration>
<property>
<name>yarn.nodemanager.aux-services</name>
<value>mapreduce_shuffle</value>
</property>
<property>
<name>yarn.nodemanager.aux-services.mapreduce.shuffle.class</name>
<value>org.apache.hadoop.mapred.ShuffleHandler</value>
</property>
<property>
<name>yarn.resourcemanager.hostname</name>
<value>127.0.0.1</value>
</property>
<property>
<name>yarn.acl.enable</name>
<value>0</value>
</property>
<property>
<name>yarn.nodemanager.env-whitelist</name>
<value>JAVA_HOME,HADOOP_COMMON_HOME,HADOOP_HDFS_HOME,HADOOP_CONF_DIR,CLASSPATH_PERPEND_DISTCACHE,HADOOP_YARN_HOME,HADOOP_MAPRED_HOME</value>
</property>
</configuration>
```

```
Activities Terminal Nov 21 16:20 cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop/dfsdata
at com.ctc.wstx.sr.StreamScanner.throwParseError(StreamScanner.java:504)
at com.ctc.wstx.sr.BasicStreamReader.readPITPrimary(BasicStreamReader.java:4004)
at com.ctc.wstx.sr.BasicStreamReader.nextFromProlog(BasicStreamReader.java:2138)
at com.ctc.wstx.sr.BasicStreamReader.next(BasicStreamReader.java:1179)
at org.apache.hadoop.conf.ConfigurationParser.parseNext(Configuration.java:3396)
at org.apache.hadoop.conf.ConfigurationParser.parse(Configuration.java:3182)
at org.apache.hadoop.conf.Configuration.loadResource(Configuration.java:3075)
at org.apache.hadoop.conf.Configuration.loadResources(Configuration.java:3036)
at org.apache.hadoop.conf.Configuration.loadProps(Configuration.java:2914)
at org.apache.hadoop.conf.Configuration.getProps(Configuration.java:2896)
at org.apache.hadoop.conf.Configuration.get(Configuration.java:1246)
at org.apache.hadoop.conf.Configuration.getTimeDuration(Configuration.java:1863)
at org.apache.hadoop.conf.Configuration.getTimeDuration(Configuration.java:1840)
at org.apache.hadoop.util.ShutdownHookManager.getShutdownTimeout(ShutdownHookManager.java:183)
at org.apache.hadoop.util.ShutdownHookManager.shutdownExecutor(ShutdownHookManager.java:145)
at org.apache.hadoop.util.ShutdownHookManager.access$300(ShutdownHookManager.java:65)
at org.apache.hadoop.util.ShutdownHookManager$1.run(ShutdownHookManager.java:102)
Exception in thread "Thread-1" java.lang.RuntimeException: com.ctc.wstx.exc.WstxParsingException: Illegal processing instruction target ("xml"); xml (case insensitive) is reserved by the specs.
Caused by: com.ctc.wstx.exc.WstxParsingException: Illegal processing instruction target ("xml"); xml (case insensitive) is reserved by the specs.
Caused by: com.ctc.wstx.sr.StreamScanner.constructWfcException(StreamScanner.java:634)
at com.ctc.wstx.sr.StreamScanner.throwParseError(StreamScanner.java:504)
at com.ctc.wstx.sr.BasicStreamReader.readPITPrimary(BasicStreamReader.java:4004)
at com.ctc.wstx.sr.BasicStreamReader.nextFromProlog(BasicStreamReader.java:2138)
at com.ctc.wstx.sr.BasicStreamReader.next(BasicStreamReader.java:1179)
at org.apache.hadoop.conf.ConfigurationParser.parseNext(Configuration.java:3396)
at org.apache.hadoop.conf.ConfigurationParser.parse(Configuration.java:3182)
at org.apache.hadoop.conf.Configuration.loadResource(Configuration.java:3075)
10 more
cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop/dfsdata$ ./start-dfs.sh
bash: ./start-dfs.sh: No such file or directory
cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop/dfsdata$ [
```

```
Activities Terminal Nov 21 16:24 cse@cse-HP-Z1-G9-Tower-Desktop-PC: /home/hadoop/dfsdata
at com.ctc.wstx.sr.StreamScanner.constructWfcException(StreamScanner.java:634)
at com.ctc.wstx.sr.StreamScanner.throwParseError(StreamScanner.java:504)
at com.ctc.wstx.sr.BasicStreamReader.readPIPrimary(BasicStreamReader.java:4004)
at com.ctc.wstx.sr.BasicStreamReader.nextFromProlog(BasicStreamReader.java:2138)
at com.ctc.wstx.sr.BasicStreamReader.next(BasicStreamReader.java:1179)
at org.apache.hadoop.conf.ConfigurationParser.parseNext(Configuration.java:3396)
at org.apache.hadoop.conf.ConfigurationParser.parse(Configuration.java:3182)
at org.apache.hadoop.conf.ConfigurationParser.parseResource(Configuration.java:3075)
... 10 more
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop$ ./start-dfs.sh
bash: ./start-dfs.sh: No such file or directory
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop$ ls
dfsdata  hadoop-3.2.4  hadoop-3.2.4.tar.gz  tmpdata
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop$ cd hadoop-3.2.4
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/hadoop-3.2.4$ ls
bin  etc  include  lib  libexec  LICENSE.txt  NOTICE.txt  README.txt  sbin  share
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/hadoop-3.2.4$ ./start-dfs.sh
bash: ./start-dfs.sh: No such file or directory
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/hadoop-3.2.4$ cd bin
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/hadoop-3.2.4/bin$ ls
container-executor  hadoop  hdfs  hdfs.cmd  mapred  mapred.cmd  oom-listener  test-container-executor  yarn  yarn.cmd
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/hadoop-3.2.4$ ./start-dfs.sh
bash: ./start-dfs.sh: No such file or directory
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/hadoop-3.2.4/bin$ cd ..
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/hadoop-3.2.4$ ls
bin  etc  include  lib  libexec  LICENSE.txt  NOTICE.txt  README.txt  sbin  share
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/hadoop-3.2.4$ cd ..
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop$ ls
dfsdata  hadoop-3.2.4  hadoop-3.2.4.tar.gz  tmpdata
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop$ cd dfsdata
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata$ ls
datanode  namenode
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata$ cd datanode
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata/datanode$ ls
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata/datanode$ cd namenode
bash: cd: namenode: No such file or directory
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata/datanode$ cd ..
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata$ cd namenode
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata/namenode$ ls
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata/namenode$ cd ..
bash: cd: ..: No such file or directory
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata/namenode$ cd ..
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata$ rm
cse@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop/dfsdata$ 
```



Exp2



Activities Terminal • Nov 24 13:48 •

Assignment 3 and 4.docx (read-only) - LibreOffice Writer

```
ls: './shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls /shivanidir
Found 1 items
drwxr-xr-x  - hadoop supergroup      0 2022-11-24 13:43 /shivanidir/shivani
dtr
ls: './shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls ./shivani
dtr
ls: './shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -put /home/cse/Desktop/NSL_MITU9BTCS0044.py /shivanidir
dtr
ls: './shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls ./shivani
dtr
Found 2 items
-rw-r--r--  1 hadoop supergroup      434 2022-11-24 13:47 /shivanidir/NSL_MITU
9BTCS0044.py
drwxr-xr-x  - hadoop supergroup      0 2022-11-24 13:43 /shivanidir/shivani
dtr
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls ./shivani
dtr
```

Upload: "NSL_MITU9BTCS0044.py" selected (434 bytes)

hadoop fs -put:
Copy single src file, or multiple src files from local file system to the Hadoop data file system
Usage: hadoop fs -put <localSrc> ... <HDFS_dest_Path>
Example: hadoop fs -put /home/saurzcode/Samplefile.txt /user/saurzcode/dir3/
Download: hadoop fs -get:

Page 10 of 13 | 1,851 words, 12,798 characters | Default Style | I... [S] | D DD DD | ← → ○ | + 100%

Activities Terminal • Nov 24 13:55 •

Assignment 3 and 4.docx (read-only) - LibreOffice Writer

```
Found 1 items
drwxr-xr-x  - hadoop supergroup      0 2022-11-24 13:43 /shivanidir/shivani
dtr
ls: './shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls ./shivani
dtr
ls: './shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -put /home/cse/Desktop/NSL_MITU9BTCS0044.py /shivanidir
dtr
ls: './shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls ./shivani
dtr
ls: './shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -put /home/cse/Documents/NSL_MITU9BTCS0044.py /home/cse/Documents
dtr
get: /home/cse/Documents/NSL_MITU9BTCS0044.py: .COPYING (Permission denied)
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -get /shivanidir/NSL_MITU9BTCS0044.py /home/cse/Documents
```

data file system

Example: hadoop fs -put /home/saurzcode/Samplefile.txt /user/saurzcode/dir3/
Download: hadoop fs -get:
Copies/Downloads files to the local file system
Usage: hadoop fs -get <hdfs_src> <localdst>
Example: hadoop fs -get /user/saurzcode/dir3/Samplefile.txt /home/
4. See contents of a file

Page 11 of 13 | 1,851 words, 12,798 characters | Default Style | I... [S] | D DD DD | ← → ○ | + 100%

Activities Terminal Nov 24 13:58 • Assignment 3 and 4.docx (read-only) - LibreOffice Writer

```
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -put /home/cse/NSL_MITU98TC50044.py /shivanidir
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls ./shivanidir
ls: ./shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls ./shivanidir
ls: ./shivanidir': No such file or directory
Found 2 items
-rw-r--r-- 1 hadoop supergroup 434 2022-11-24 13:47 /shivanidir/NSL_MITU98TC50044.py
drwxr-xr-x 1 hadoop supergroup 0 2022-11-24 13:43 /shivanidir/shivanidir
Usage: hadoop fs [-ls] <path>
Example: hadoop fs -ls /home/cse/Documents/NSL_MITU98TC50044.py ..._COPYING_ (Permission denied)
2. List the contents of a directory
Usage: hadoop fs -ls <path>
Example: hadoop fs -ls /home/cse/Documents/NSL_MITU98TC50044.py /home/cse/Documents
[sudo] password for hadoop:
[sudo] password for hadoop:
Usage: hadoop fs -ls <path>
Example: hadoop fs -ls /home/cse/Documents/NSL_MITU98TC50044.py /home/cse/Documents
3. Upload a file to HDFS
Usage: hadoop fs -put <local_src> <HDFS_dest_Path>
Example: hadoop fs -put /home/saurzcode/Samplefile.txt /user/saurzcode/dir3/
Upload: hadoop fs -put /home/saurzcode/Samplefile.txt /user/saurzcode/dir3/
4. See contents of a file
Usage: hadoop fs -cat <path>
Example: hadoop fs -cat /user/saurzcode/dir3/Samplefile.txt /home/
```

This document is open in read-only mode.

Page 11 of 13 | 1,851 words, 12,798 characters | Default Style | I... [8] | D DD DD | ← → ○ | 100%

Activities Terminal Nov 24 14:01 • Assignment 3 and 4.docx (read-only) - LibreOffice Writer

```
cat: '/user/hadoop/shivanidir': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -cat /user/hadoop/shivanidir/NSL_MITU98TC50044.py
cat: '/user/hadoop/shivanidir/NSL_MITU98TC50044.py': No such file or directory
import math
Example: def gcd(a, b):
    temp = 0
    while(i):
        temp = a % b
        if (temp == 0):
            return h
        a = h
        h = temp
Copy single line
Usage: hadoop fs -copy <src> <dest>
Example: hadoop fs -copy /user/saurzcode/NSL_MITU98TC50044.py /user/saurzcode/NSL_MITU98TC50044.py
3. Upload a file to HDFS
Usage: hadoop fs -put <local_src> <HDFS_dest_Path>
Example: hadoop fs -put /home/saurzcode/Samplefile.txt /user/saurzcode/dir3/
Upload: hadoop fs -put /home/saurzcode/Samplefile.txt /user/saurzcode/dir3/
4. See contents of a file
Copies/Downloads files to the local file system
Usage: hadoop fs -get <hdfs_src> <local_dst>
Example: hadoop fs -get /user/saurzcode/dir3/Samplefile.txt /home/
4. See contents of a file
Copies/Downloads files to the local file system
Usage: hadoop fs -cat <path>
Example: hadoop fs -cat /user/saurzcode/dir1/abc.txt
4. See contents of a file
Same as unix cat command:
Usage:hadoop fs -cat <path>
Example: hadoop fs -cat /user/saurzcode/dir1/abc.txt
```

This document is open in read-only mode.

Page 11 of 13 | 1,851 words, 12,798 characters | Default Style | I... [8] | D DD DD | ← → ○ | 100%

Activities Terminal Nov 24 14:06 • Assignment 3 and 4.docx (read-only) - LibreOffice Writer

```
m = pow(c, d)
m = math.fmod(m, n)
print("Original Message Sent = ", m)

4. See content
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ sudo -u hdfs hadoop fs -cp ./shivanidir/NSL_MITU19BTC50044.py /shivanidir/shivanisubdir
Same as usage
Usage:hadoop fs -cp <source> <dest>
Example: hadoop fs -cp ./shivanidir/NSL_MITU19BTC50044.py /shivanidir/shivanisubdir
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls /shivanidir/shivanisubdir
Found 2 items
-rw-r--r-- 1 hdoop supergroup 434 2022-11-24 13:47 /shivanidir/NSL_MITU19BTC50044.py
drwxr-xr-x 1 hdoop supergroup 0 2022-11-24 14:06 /shivanidir/shivanisubdir
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls /shivanidir/shivanisubdir
Found 1 items
-rw-r--r-- 1 hdoop supergroup 434 2022-11-24 14:06 /shivanidir/NSL_MITU19BTC50044.py
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$
```

5. Copy a file from source to destination

This command allows multiple sources as well in which case the destination must be a directory.

Usage: hadoop fs -cp <source> <dest>

Example: hadoop fs -cp /user/saurzcode/dir1/abc.txt /user/saurzcode/dir2

6. Copy a file from/to Local file system to HDFS copyFromLocal

Usage: hadoop fs -copyFromLocal <localsrc> URI

Example: hadoop fs -copyFromLocal /home/saurzcode/abc.txt /user/saurzcode/abc.txt

Similar to put command, except that the source is restricted to a local file reference.

copyToLocal

Page 11 of 13 | 1,851 words, 12,798 characters | Default Style | I... | 100%

Activities Terminal Nov 24 14:12 • Assignment 3 and 4.docx (read-only) - LibreOffice Writer

```
rsa.py Proprietary Basic Permission
Name: rsa.py
Type: Python
Size: 435 bytes
Parent folder: /home/cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin
Accessed: Friday, November 24, 2022, 14:06:28 UTC
Modified: Tuesday, November 24, 2022, 14:11:45 UTC
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -put /home/cse-HP-Z1-G9-Tower-Desktop-PC:~/rsa.py ./shivanidir/shivanisubdir
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls /shivanidir/shivanisubdir
Found 1 items
-rw-r--r-- 1 hdoop supergroup 435 2022-11-24 14:06 /shivanidir/shivanisubdir
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -cat /shivanidir/shivanisubdir/rsa.py
cat: '/shivanidir/shivanisubdir/rsa.py': No such file or directory
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -put /home/cse-HP-Z1-G9-Tower-Desktop-PC:~/rsa.py ./shivanidir/shivanisubdir
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$ hadoop fs -ls /shivanidir/shivanisubdir
Found 2 items
-rw-r--r-- 1 hdoop supergroup 434 2022-11-24 14:06 /shivanidir/shivanisubdir/rsa.py
drwxr-xr-x 1 hdoop supergroup 0 2022-11-24 14:11 /shivanidir/shivanisubdir
hadoop@cse-HP-Z1-G9-Tower-Desktop-PC:~/hadoop-3.2.4/sbin$
```

"rsa.py" selected (435 bytes)

Example: hadoop fs -copyFromLocal /home/saurzcode/abc.txt /user/saurzcode/abc.txt

Similar to put command, except that the source is restricted to a local file reference.

copyToLocal

Usage:

hadoop fs -copyToLocal [-ignorecrc] [-crc] URI <localdst>

Page 12 of 13 | 1,851 words, 12,798 characters | Default Style | I... | 100%

