

Google Cloud cloud shell

CLOUD SHELL Terminal cloudshell + Open Editor Search

Gemini CLI is available in Cloud Shell terminal! Type gemini to try it. [Learn more](#)

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```
Welcome to Cloud Shell! Type "help" to get started, or type "gemini" to try prompting with Gemini CLI.  
To set your Cloud Platform project in this session use `gcloud config set project [PROJECT_ID]`. You can view your projects by running `gcloud projects list`.  
shivan_23cs144@cloudshell:~$ mkdir demo  
shivan_23cs144@cloudshell:~$ cd demo  
shivan_23cs144@cloudshell:~/demo$ echo "Hello Cloud Shell">>hello.txt  
shivan_23cs144@cloudshell:~/demo$ cat hello.txt  
Hello Cloud Shell  
shivan_23cs144@cloudshell:~/demo$ chmod +x hello.txt  
shivan_23cs144@cloudshell:~/demo$ ls -l  
total 4  
-rwxrwxr-x 1 shivan_23cs144 shivan_23cs144 18 Jan 31 05:53 hello.txt  
shivan_23cs144@cloudshell:~/demo$ mkdir test  
shivan_23cs144@cloudshell:~/test$ rm file.txt  
rm: cannot remove 'file.txt': No such file or directory  
shivan_23cs144@cloudshell:~/test$ cp a.txt b.txt  
cp: cannot stat 'a.txt': No such file or directory  
shivan_23cs144@cloudshell:~/test$ mv a.txt folder/  
mv: cannot stat 'a.txt': No such file or directory  
shivan_23cs144@cloudshell:~/test$ touch a.txt  
shivan_23cs144@cloudshell:~/test$ echo "Hello Google cloud">>a.txt  
shivan_23cs144@cloudshell:~/test$ cat a.txt  
Hello worldHello Google cloud  
Hello Google cloud  
shivan_23cs144@cloudshell:~/test$ cp a.txt b.txt  
shivan_23cs144@cloudshell:~/test$ mv a.txt folder/
```

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```
shivan_23cs144@cloudshell:~/test$ cat b.txt  
Hello Google cloud  
shivan_23cs144@cloudshell:~/test$ mv a.txt test /  
mv: cannot create regular file '/a.txt': Permission denied  
mv: cannot stat 'test': No such file or directory  
shivan_23cs144@cloudshell:~/test$ less a.txt  
[1]+ Stopped less a.txt  
shivan_23cs144@cloudshell:~/test$ head a.txt  
Hello Google cloud  
shivan_23cs144@cloudshell:~/test$ tail a.txt  
Hello Google cloud  
shivan_23cs144@cloudshell:~/test$ nano a.txt  
shivan_23cs144@cloudshell:~/test$ cat a.txt  
Hello worldHello Google cloud  
shivan_23cs144@cloudshell:~/test$ vi a.txt  
[2]+ Stopped vi a.txt  
shivan_23cs144@cloudshell:~/test$ whoami  
shivan_23cs144@cloudshell:~/test$ shivan_23cs144@cloudshell:~/test$ uname -a  
Linux cs-949124429401-default 6.6.11+ #1 SMP PREEMPT_DYNAMIC Tue Dec 30 10:04:55 UTC 2025 x86_64 x86_64 x86_64 GNU/Linux  
shivan_23cs144@cloudshell:~/test$ df -h  
Filesystem Size Used Avail Use% Mounted on  
overlay 95G 55G 41G 58% /  
tmpfs 64M 0 64M 0% /dev  
/dev/sdal 95G 55G 41G 58% /root  
/dev/disk/by-id/google-home-part1 4.8G 156M 4.4G 4% /home
```

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```
/dev/sdal      95G  55G  41G  58% /root
/dev/disk/by-id/google-home-part1  4.8G 156M 4.4G  4% /home
/dev/root      2.0G 1.2G 760M 62% /usr/lib/modules
shm           64M   0  64M  0% /dev/shm
shivani_23cs144@cloudshell:~/demo$ du -sh *
4.0K    a.txt
4.0K    b.txt
4.0K    hello.txt
shivani_23cs144@cloudshell:~/demo$ free -h
total        used        free     shared  buff/cache   available
Mem:       7.8Gi       2.3Gi      4.1Gi      1.1Mi      1.6Gi      5.4Gi
Swap:          0B          0B          0B
shivani_23cs144@cloudshell:~/demo$ uptime
06:27:29 up 1:16,  0 user,  load average: 1.72, 1.83, 1.79
shivani_23cs144@cloudshell:~/demo$ env
SHELL=/bin/bash
USE_CLOUD_SDK_PYTHON3=
TMUX=/tmp/tmux-1000/default,647,0
GOOGLE_CLOUD_SHELL=true
HISTSIZE=1000
JAVA_HOME=/usr/lib/jvm/java-17-openjdk-amd64
CLOUD_SHELL=true
DEVSHELL_PROJECT_ID=
DOTNET_SKIP_FIRST_TIME_EXPERIENCE=1
ASPNETCORE_URLS=http://*:8080
PWD=/home/shivani_23cs144/demo
LOGNAME=shivani_23cs144
DEVSHELL_CLIENTS_DIR=/var/run/google/devshell
```

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```
DEVSHELL_CLIENTS_DIR=/var/run/google/devshell
WEB_HOST=cs-d243c14-a4a8-4c8e-91f0-9f696b861052.cs-asia-southeast1-ajrg.cloudshell.dev
HOME=/home/shivani_23cs144
LANG=en_US.UTF-8
LS_COLORS=rs=0:di=01;34:ln=01;36:mb=00:pi=40;33:sc=01;35:do=01;35:bd=40;33:01:cd=40;33:01:or=40;31:01:mi=00:tw=30;42:ow=34;42:st=37;4
4:ex=01;32*:tar=01;31*:tgc=01;31*:arc=01;31*:arj=01;31*:ta=01;31*:lha=01;31*:lzd=01;31*:lzma=01;31*:tlz=01;31*:txz=01;31*:txo=01;31*:*
.t7z=01;31*:zip=01;31*:*.7z=01;31*:deb=01;31*:gz=01;31*:*.lrz=01;31*:*.lzo=01;31*:*.xz=01;31*:*.zst=01;31*:*.bz2=01;31*:*.bz=01;31*:*.tbz=01
;31*:*.tbz2=01;31*:*.tz=01;31*:*.deb=01;31*:*.rpm=01;31*:*.jar=01;31*:*.war=01;31*:*.ear=01;31*:*.sar=01;31*:*.alz=01;31*:*.ace=01;31*:*.zoo=01;31*:*.cpio=01
;31*:*.7z=01;31*:*.rz=01;31*:*.cab=01;31*:*.wim=01;31*:*.swm=01;31*:*.dwm=01;31*:*.esd=01;31*:*.avif=01;35*:*.jpg=01;35*:*.jpeg=01;35*:*.mjpeg=01;35*:*.gif=
01;35*:*.bmp=01;35*:*.pbm=01;35*:*.ppm=01;35*:*.tga=01;35*:*.xbm=01;35*:*.xpm=01;35*:*.tif=01;35*:*.tiff=01;35*:*.png=01;35*:*.svg=01;35*:*.svgz=01;35*:*.mng
=01;35*:*.pcx=01;35*:*.mov=01;35*:*.mpg=01;35*:*.mpeg=01;35*:*.m2v=01;35*:*.mkv=01;35*:*.webm=01;35*:*.webp=01;35*:*.ogg=01;35*:*.mp4=01;35*:*.m4v=01;35*:*.mp4v=01;35*:
*vob=01;35*:*.qt=01;35*:*.nuv=01;35*:*.wmv=01;35*:*.asf=01;35*:*.rmvb=01;35*:*.flc=01;35*:*.avi=01;35*:*.fl1=01;35*:*.flv=01;35*:*.gl=01;35*:*.dl=01;35*:*.xcf=
01;35*:*.xwd=01;35*:*.yuv=01;35*:*.cgm=01;35*:*.emf=01;35*:*.ogv=01;35*:*.ogx=01;35*:*.aac=00;36*:*.au=00;36*:*.flac=00;36*:*.m4a=00;36*:*.mid=00;36*:*.mka=
00;36*:*.mp3=00;36*:*.mpc=00;36*:*.ogg=00;36*:*.ra=00;36*:*.wav=00;36*:*.oga=00;36*:*.opus=00;36*:*.spx=00;36*:*.xspf=00;36*:*.~a=00;90*:*.bak=00;90*:*.crdownload=
00;90*:*.dpkg-dist=00;90*:*.dpkg-new=00;90*:*.dpkg-old=00;90*:*.dpkg-tmp=00;90*:*.old=00;90*:*.orig=00;90*:*.part=00;90*:*.rej=00;90*:*.rpmnew=00;90*:*.rpmmorig=00;90*
*.rpmsave=00;90*:*.swp=00;90*:*.tmp=00;90*:*.ucf-dist=00;90*:*.ucf-new=00;90*:*.ucf-old=00;90*
CLOUDSHELL_CONFIG=/tmp/tmp_jWF9YMbDb
MINIKUBE_FORCE_SYSTEMD=true
DEVSHELL_SERVER_URL=https://ssh.cloud.google.com
PROMPT_COMMAND=history -a; update_devshell_project_id &> /dev/null
SSH_CONNECTION=127.0.0.1 38374 127.0.0.1 22
DOTNET_BUNDLE_EXTRACT_BASE_DIR=/home/shivani_23cs144/.cache/dotnet_bundle_extract
CUSTOM_ENVIRONMENT=
GEM_PATH=/home/shivani_23cs144/.gems:/usr/local/lib/ruby/gems/3.2.0/
GEM_HOME=/home/shivani_23cs144/.gems
LESSCLOSE=/usr/bin/lesspipe %s %
CLOUDSHELL_OPEN_DIR=cloudshell_open
TERM-tmux-256color
```

```
CLOUDSHELL_OPEN_DIR=cloudshell_open
TERM=tmux-256color
CLOUDSDK_DIAGNOSTICS_HIDDEN_PROPERTY_ALLOWLIST=compute/gce_metadata_read_timeout_sec
LESSOPEN=| /usr/bin/lesspipe %
USER=shivani_23cs144
TMUX_PANE=0
CLOUD_SHELL_IMAGE_VERSION=
GCE_METADATA_HOST=169.254.169.254
BASHRC_PATH=/home/shivani_23cs144/.bashrc
CLOUDSDK_DIAGNOSTICS_HIDDEN_PROPERTY_WHITELIST=compute/gce_metadata_read_timeout_sec
SHLVL=3
TRUSTED_ENVIRONMENT=true
_TMP_CLOUDSDK_CONFIG=/tmp/tmp.jW1F9YMBdb
CLOUDSHELL_ENVIRONMENT=prod
USER_EMAIL=shivani_23cs144@sode-edu.in
ACTIVE_CUSTOM_IMAGE=
BASHRC_GOOGLE_PATH=/google/devshell/bashrc.google
PS1=[v|e]0${${DEVSHELL_PROJECT_ID}-Cloud Shell}\a\@u@cloudshell:\[\033[1;34m\]\w${${-n ${DEVSHELL_PROJECT_ID}}&&printf "%\033[1;33m%\033[0m"} ${DEVSHELL_PROJECT_ID}\)\$\[\033[0m\]\$ \${\033k${${-n ${DEVSHELL_PROJECT_ID}}&&printf "%s"} ${DEVSHELL_PROJECT_ID} || printf "cloudshell")\033\\\]
SSH_CLIENT=127.0.0.1 38374 22
MINIKUBE_HOME=/google/minikube
DEBUGINFOD_URL=https://debuginfod.ubuntu.com
DOCKER_SOCKET=/var/run/docker.sock
DEVSHELL_IP_ADDRESS=34.126.78.101
V2V_GCP_V2V_IMAGE=projects/v2v-community/global/images/family/v2v-stable
BROWSER=echo
PATH=/opt/gradle/bin:/opt/maven/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/go/bin:/usr/local/node_packages/node_modules/.bin
:/usr/local/rvm/bin:/home/shivani_23cs144/.gems/bin:/usr/local/rvm/bin:/home/shivani_23cs144/gopath/bin:/google/gopath/bin:/google/flutter/bin:/usr/local/nvm
```

```
BROWSER=echo
PATH=/opt/gradle/bin:/opt/maven/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/local/go/bin:/usr/local/node_packages/node_modules/.bin
:/usr/local/rvm/bin:/home/shivani_23cs144/.gems/bin:/usr/local/rvm/bin:/home/shivani_23cs144/gopath/bin:/google/gopath/bin:/google/flutter/bin:/usr/local/nvm
/versions/node/v24.12.0/bin
HISTFILESIZE=1000
SSH_TTY=/dev/pts/1
DEVSHELL_GCLOUD_CONFIG=cloudshell-19667
USE_GKE_GCLOUD_AUTH_PLUGIN=true
API_DOGFOOD=
GOPATH=/home/shivani_23cs144/gopath:/google/gopath
MINIKUBE_WANTUPDATENOTIFICATION=false
CREDENTIALS_SERVICE_PORT=6998
/usr/bin/env
OLDPWD=/home/shivani_23cs144
shivani_23cs144@cloudshell:~/demo$ mv a.txt test
shivani_23cs144@cloudshell:~/demo$ echo $HOME
/home/shivani_23cs144
shivani_23cs144@cloudshell:~/demo$ export MYVAR=123
shivani_23cs144@cloudshell:~/demo$ gcloud auth list
Credentialed Accounts

ACTIVE: *
ACCOUNT: shivani.23cs144@sode-edu.in

To set the active account, run:
$ gcloud config set account `ACCOUNT`

shivani_23cs144@cloudshell:~/demo$ gcloud config list project
```

```
Credentialed Accounts

ACTIVE: *
ACCOUNT: shivani.23cs144@sode-edu.in

To set the active account, run:
$ gcloud config set account `ACCOUNT`

shivani_23cs144@cloudshell:~/demo$ gcloud config list project
[core]
project (unset)

Your active configuration is: [cloudshell-19667]
shivani_23cs144@cloudshell:~/demo$ gcloud config set project PROJECT_ID
WARNING: INVALID_ARGUMENT: Request contains an invalid argument.
Are you sure you wish to set property [core/project] to PROJECT_ID?

Do you want to continue (Y/n)? Y
ERROR: (gcloud.config.set) The project property must be set to a valid project ID, not the project name [PROJECT_ID]
To set your project, run:

$ gcloud config set project PROJECT_ID
or to unset it, run:

$ gcloud config unset project
shivani_23cs144@cloudshell:~/demo$
```