

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
```

The screenshot shows the Google Cloud Dev Shell interface. The top navigation bar includes 'Google Cloud' and a search bar. Below the bar, there's a toolbar with icons for Open Editor, Share, Settings, and Help. The main area displays a terminal window titled 'cloudshell'. A message at the top of the terminal says 'Gemini CLI is available in Cloud Shell terminal! Type gemini to try it. [Learn more](#)'. The terminal output shows the following commands and their results:

```
/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
```

```
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$
```

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```
shivani_23cs144@cloudshell:~/demo$ cat a.txt
Hello abcdshivani_23cs144@cloudshell:~/demo$ gcloud compute instance list
ERROR: (gcloud.compute) Invalid choice: 'instance'.
Maybe you meant:
  gcloud compute instance-groups list-instances
  gcloud compute instances list
  gcloud compute instance-groups list
  gcloud compute instance-groups managed instance-configs list
  gcloud compute instance-templates list
  gcloud compute target-instances list
  gcloud compute instances os-inventory list-instances
  gcloud compute instance-groups managed list-instances
  gcloud compute instance-groups unmanaged list-instances
  gcloud compute instances ops-agents policies list

To search the help text of gcloud commands, run:
  gcloud help -- SEARCH_TERMS
shivani_23cs144@cloudshell:~/demo$ gcloud compute instances create my --vm --zone=us-central1-a
ERROR: (gcloud.compute.instances.create) unrecognized arguments: --vm --zone=us-central1-a (did you mean '--zone'?)

To search the help text of gcloud commands, run:
  gcloud help -- SEARCH_TERMS
shivani_23cs144@cloudshell:~/demo$ gcloud compute instances delete my --vm --zone=us-central1-a
ERROR: (gcloud.compute.instances.delete) unrecognized arguments: --vm --zone=us-central1-a (did you mean '--zone'?)

To search the help text of gcloud commands, run:
  gcloud help -- SEARCH_TERMS
```

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```
gcloud help -- SEARCH_TERMS
shivani_23cs144@cloudshell:~/demo$ gcloud storage buckets list
ERROR: (gcloud.storage.buckets.list) The required property [project] is not currently set.
It can be set on a per-command basis by re-running your command with the [--project] flag.

You may set it for your current workspace by running:
$ gcloud config set project VALUE

or it can be set temporarily by the environment variable [CLOUDSDK_CORE_PROJECT]
shivani_23cs144@cloudshell:~/demo$ gcloud storage buckets create gs://my-bucket-name
Creating gs://my-bucket-name/...
ERROR: (gcloud.storage.buckets.create) The required property [project] is not currently set.
It can be set on a per-command basis by re-running your command with the [--project] flag.

You may set it for your current workspace by running:
$ gcloud config set project VALUE

or it can be set temporarily by the environment variable [CLOUDSDK_CORE_PROJECT]
shivani_23cs144@cloudshell:~/demo$ gcloud app deploy
ERROR: (gcloud.app.deploy) The required property [project] is not currently set.
It can be set on a per-command basis by re-running your command with the [--project] flag.

You may set it for your current workspace by running:
$ gcloud config set project VALUE
```

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```
shivani_23cs144@cloudshell:~/demo$ gcloud app deploy
ERROR: (gcloud.app.deploy) The required property [project] is not currently set.
It can be set on a per-command basis by re-running your command with the [--project] flag.

You may set it for your current workspace by running:
$ gcloud config set project VALUE

or it can be set temporarily by the environment variable [CLOUDSDK_CORE_PROJECT]
shivani_23cs144@cloudshell:~/demo$ gcloud app browse
ERROR: (gcloud.app.browse) The required property [project] is not currently set.
It can be set on a per-command basis by re-running your command with the [--project] flag.

You may set it for your current workspace by running:
$ gcloud config set project VALUE

or it can be set temporarily by the environment variable [CLOUDSDK_CORE_PROJECT]
shivani_23cs144@cloudshell:~/demo$ gcloud iam service-accounts list
ERROR: (gcloud.iam.service-accounts.list) The required property [project] is not currently set.
It can be set on a per-command basis by re-running your command with the [--project] flag.

You may set it for your current workspace by running:
$ gcloud config set project VALUE

or it can be set temporarily by the environment variable [CLOUDSDK_CORE_PROJECT]
shivani_23cs144@cloudshell:~/demo$
```

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