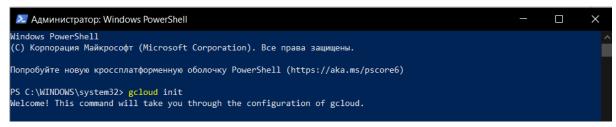
The Google Cloud CLI works on Windows 8.1 and later and Windows Server 2012 and later.

1. Download the Google Cloud CLI installer.

Alternatively, open a PowerShell terminal and run the following PowerShell commands:

```
(New-Object Net.WebClient).DownloadFile("https://dl.google.com/dl/cloudsdk/channels/rapic & $env:Temp\GoogleCloudSDKInstaller.exe
```

## Installing Google Cloud CLI installer



Type "gcloud init" and authenticate your account

```
Choose the account you want to use for this configuration.
To use a federated user account, exit this command and sign in to the gcloud CLI with your login configuration file, then run this command again.

Select an account:
[1] alihanmurat11@gmail.com
[2] Sign in with a new Google Account
[3] Skip this step
Please enter your numeric choice: 1

You are signed in as: [alihanmurat11@gmail.com].

Pick cloud project to use:
[1] civic-meridian-435815-u4
[2] i-woodland-435815-e8
[3] Enter a project ID
[4] Create a new project
Please enter numeric choice or text value (must exactly match list item):
```

## **Choose project**



Before setting region and zone Activate Billing Account on your project
Then choose convenient region and zone

What command did you use to authenticate with your Google account? gcloud init How did you set the default project? In website What information does the gcloud info command provide? ~All information~

```
Factor SRC (892.8-8)

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```

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to i-woodland-435815-e8.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ gcloud config list
[accessibility]
screen_reader = True
[component_manager]
disable_update_check = True
[compute]
gce_metadata_read_timeout_sec = 30
[core]
account = alihanmurat11@gmail.com
disable_usage_reporting = False
project = i-woodland-435815-e8
[metrics]
environment = devshell
```

```
Your active configuration is: [cloudshell-11001] alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ mkdir gcp-intro alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ cd gcp-intro alihanmurat11@cloudshell:~/gcp-intro (i-woodland-435815-e8)$ touch READ.md alihanmurat11@cloudshell:~/gcp-intro (i-woodland-435815-e8)$ edit READ.md alihanmurat11@cloudshell:~/gcp-intro (i-woodland-435815-e8)$
```



What is the default home directory in Cloud Shell? /home/username What tools are pre-installed in Cloud Shell? Programming Languages, SQLs, gcloud, kubectl How can you open the built-in code editor in Cloud Shell? edit <name>

```
PROJECT_ID
                                  NAME
                                                         PROJECT_NUMBER
civic-meridian-435815-u4 My First Project
i-woodland-435815-e8 My First Project
                                                         593046861230
                                                        102521120853
 :\Users\aliha\AppData\Local\Google\Cloud SDK>gcloud projects create my-first-gcp-project-123123 --name="My First GCP Project"
Create in progress for [https://cloudresourcemanager.googleapis.com/v1/projects/my-first-gcp-project-123123].
Waiting for [operations/cp.9030786417613902144] to finish...done.
Enabling service [cloudapis.googleapis.com] on project [my-first-gcp-project-123123]...
Operation "operations/acat.p2-655497289337-fcd70715-d753-40e0-8c21-ca3e83d3edc6" finished successfully.
 :\Users\aliha\AppData\Local\Google\Cloud SDK>gcloud config set project my-first-gcp-project-123123
Updated property [core/project].
 :\Users\aliha\AppData\Local\Google\Cloud SDK>gcloud projects describe my-first-gcp-project-123123 reateTime: '2024-09-16T20:48:20.214195Z'
lifecycleState: ACTIVE
name: My First GCP Project
projectId: my-first-gcp-project-123123
projectNumber: '655497289337'
 :\Users\aliha\AppData\Local\Google\Cloud SDK>gcloud projects delete my-first-gcp-project-123123
Your project will be deleted.
Do you want to continue (Y/n)? Y
Deleted [https://cloudresourcemanager.googleapis.com/v1/projects/my-first-gcp-project-123123].
You can undo this operation for a limited period by running the command below.
     $ gcloud projects undelete my-first-gcp-project-123123
See https://cloud.google.com/resource-manager/docs/creating-managing-projects for information on shutting down projects.
 :\Users\aliha\AppData\Local\Google\Cloud SDK>
```

How do you list all projects associated with your account? gcloud projects list What command is used to set a default project? gcloud config set project PROJECT\_ID How do you describe project metadata? gcloud projects describe PROJECT\_ID

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to i-woodland-435815-e8.
     'gcloud config set project [PROJECT_ID]" to change to a different project.
alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ pwd
/home/alihanmurat11
alihanmurat11@cloudshell:~ (i-woodland-435815-e8) $ mkdir myproject
alihanmurat11@cloudshell:~ (i-woodland-435815-e8) $ mkdir myproject/src
alihanmurat11@cloudshell:~ (i-woodland-435815-e8) $ mkdir myproject/tests
alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ mkdir myproject/docs alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ tree myproject
-bash: tree: command not found
alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ cd myproject/src
alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ touch main.py
alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ nano main.py
alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ cd ..
alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ cd tests
alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ touch main.py alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ nano main.py
alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ cd ...
alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ cd tests
alihanmurat11@cloudshell:~/myproject/tests (i-woodland-435815-e8)$ touch testmain.py alihanmurat11@cloudshell:~/myproject/tests (i-woodland-435815-e8)$ nano testmain.py
alihanmurat11@cloudshell:~/myproject/tests (i-woodland-435815-e8)$ cd ...
alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ cd docs
alihanmurat11@cloudshell:~/myproject/docs (i-woodland-435815-e8)$ touch READ.me alihanmurat11@cloudshell:~/myproject/docs (i-woodland-435815-e8)$ nano READ.me
alihanmurat11@cloudshell:~/myproject/docs (i-woodland-435815-e8)$ cd ...
alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ cat myproject/src/main.py
cat: myproject/src/main.py: No such file or directory
alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8) $ cat myproject
cat: myproject: No such file or directory
alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ cd myproject/src
```

```
alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ cd src alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ ^C alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ cat myproject/src/main.py cat: myproject/src/main.py: No such file or directory alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ cat main.py
print("Helo, World!")
alihanmurat11@cloudshell:~/myproject/src (i-woodland-435815-e8)$ cd .. alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ cd tests alihanmurat11@cloudshell:~/myproject/tests (i-woodland-435815-e8)$ cat testmain.py
print("Hello, World!")
alihanmurat11@cloudshell:~/myproject/tests (i-woodland-435815-e8)$ cd .. alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ cd docs alihanmurat11@cloudshell:~/myproject/docs (i-woodland-435815-e8)$ cat READ.me
Hello, World! Test File
alihanmurat11@cloudshell:~/myproject/docs (i-woodland-435815-e8)$ cd .. alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ rm myproject/src/main.py rm: cannot remove 'myproject/src/main.py': No such file or directory
rm: cannot remove myproject/stc/main.py . No sach
alihanmurat11@cloudshell:~/myproject (i-woodland-435815-e8)$ cd ..
alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ rm myproject/src/main.py
alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ gcloud compute project-info add-metadata \
           -metadata google-compute-default-region=me-centrall,google-compute-default-zone=me-centrall-a
Updated [https://www.googleapis.com/compute/v1/projects/i-woodland-435815-e8]. alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ gsutil mb -l me-central1 gs://My_Project/
 Creating gs://My Project/...
BadRequestException: 400 Invalid bucket name: 'My_Project' alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ gsutil mb -1 me-central1 gs://my-project-bucket-123/
alihanmuratil@cloudshell:~ (i-woodland-453615-e6)$ gsutil mb -1 me-centrali gs://my-project-bucket-123/.
alihanmuratil@cloudshell:~ (i-woodland-435815-e8)$ gsutil cp myproject/docs/README.md gs://my-project-bucket-123/
CommandException: No URLs matched: myproject/docs/README.md alihanmurat11@cloudshell:~ (i-woodland-435815-e6) $ gsutil cp myproject/docs/READ.me gs://my-project-bucket-123/Copying file://myproject/docs/READ.me [Content-Type=application/x-troff-me]...
- [1 files] [ 24.0 B/ 24.0 B]
Operation completed over 1 objects/24.0 B. alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$ gsutil ls gs://my-project-bucket-123/gs://my-project-bucket-123/READ.me
  alihanmurat11@cloudshell:~ (i-woodland-435815-e8)$
```

What command did you use to create the directory structure? mkdir

How did you upload a file to a Cloud Storage bucket? gsutil cp myproject/docs/README.md gs://bucket-name/

How can you list the contents of a Cloud Storage bucket? gsutil Is gs://bucket-name/

What command did you use to make the script executable? chmod +x setup.sh How did you ensure the script was executed correctly? ./setup.sh

Is -I project\_name

What steps did your script automate? mkdir myproject\_123123

echo "Text" > myproject\_123123/text.txt cloud config set project PROJECT\_ID