

Google Compute Engine - GCE ??????

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- ?? - <https://cloud.google.com/>
- ?? - <https://cloud.google.com/compute/docs/>

- [GCE ????](#)
- [Google Cloud Storage](#)

???

2016/11/20 Instance ????????? MySQL ??(port 3306)????????? port?????????????????????
https://cloud.google.com/solutions/m..._for_my-server?

Instance ??

- ?? Instance ????? SSH Key ??????????????

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- ??? Instance ????? IP ??IP ????????? gateway ????? xxx.xxx.xxx.1?xxx.xxx.xxx ??????????
- ?? Instance ????? Network?????????
- Network ?????? Project ??? Instance ???
- Network ? Firewall ?????????

gcloud compute

gcloud compute (??? gcutil tool) ?????? GCE ???

?????

??? Linux ? Mac OS X ?????????????? Python 2.7?

?????????

curl https://sdk.cloud.google.com | bash

????????? SHELL?

?????

\$ gcloud -v
Google Cloud SDK 0.9.71

bq 2.0.18
bq-nix 2.0.18
core 2015.07.24

core-nix 2015.06.02
gcloud 2015.07.24
gsutil 4.13
gsutil-nix 4.12

????????????????????

1. ? Linux ????? gcloud auth login????????? URL???????????
2. ?? Firefox ??? URL?????? Google ??????????????????????
3. ?? Linux ??????????????????????

\$ gcloud auth login

Go to the following link in your browser:

https://accounts.google.com/o/oauth2/auth?redirect_uri=urn%3Aietf%3Aawg%3Aoauth%3A2.0%3Aaob&prompt=select_account&response_type=code&client_id=...

Enter verification code: 4/aYHrPAWwQ1G BBB0IBs8IVjf-EtfTOvk020ylFjYR-G4
Saved Application Default Credentials.

You are now logged in as [alang.hsu@gmail.com].
Your current project is [None]. You can change this setting by running:
\$ gcloud config set project PROJECT_ID

NOTE:

????????????????????
gcloud config set project <project_id>
???????????????????? --project <project_id>?

?????? gcloud compute

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gcloud components update

???? Instance
gcloud compute instances list

?? **SSH Key ? Linux ???**
?????????

ssh-keygen -t rsa -f GCE-alang_rsa

??????

- ?? GCE-alang_rsa
- ?? GCE-alang_rsa.pub

?????

1. ????????? GCE Instance ?????
??? Linux ?????????????? Home

```
cp GCE-alang_rsa ~/.ssh/id_rsa
chmod 0600 ~/.ssh/id_rsa
```

??? Windows ???????? puttygen.exe ??? GCE-alang_rsa ?? Putty Private Key (*.ppk)??? Putty ??????
???? *.ppk ?????

2. ????? GCE ???????? GCE Console > ??? > SSH ?? > ?

? GCE-alng_rsa.pub ?????????????????? yourid@XXXXX????? yourid ??? VM ??????????????????????
???????

?? SSH Key ? gcloud compute ???

1. ?? gcloud compute ssh USER@INSTANVE-NAME
USER: ??????INSTANCE ???
2. ????????Linux ??????/.ssh ??????
? google_compute_engine ???
? google_compute_engine.pub ???
3. GCE Console > Metadata > SSH > ??? Key ?????????????????? Instance????? SSH ???????? Key?
?: ???????? Key ?????????????????? USER ??????????????????
4. ???????????? gcloud compute ssh USER@INSTANVE-NAME

TIPS?

??????????????????? Permission denied (publickey). ?? Ctrl + C ???????????????? Linux ????????????
INSTANCE ? Linux ? SSH ?????????? GCE Console ??? INSTANCE ??? SSH ? Key?