

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?](https://cloud.google.com/solutions/m..._for_my-server?)

**Instance ??**

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

????

- ??? 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=...](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**

????  
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?