
os-doc-demo Documentation

KOSSLAB 2018 Contributhon Contributors

2018 09 18

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KOSSLAB 2018 OpenStack Team .

1.1 bnitech

1.1.1 [2018] 2: (8/31 , 7)

24

```
•
  - 1.234.**.***
  -
    *
      · root
    * IPMI
      · b*****
    *
      · a*****
```

Varant

- - .
- - .
- .
- VM .
- yum install -y binutils gcc make patch libgomp dkms glibc-headers glibc-devel kernel-headers kernel-devel
-

- wget rpm https://download.virtualbox.org/virtualbox/5.2.18/VirtualBox-5.2-5.2.18_124319_el6-1.x86_64.rpm
- rpm
 - * wget rpm https://rpmfind.net/linux/centos/6.10/os/x86_64/Packages/SDL-1.2.14-7.el6_7.1.i686.rpm
 - * wget rpm https://rpmfind.net/linux/centos/6.10/os/x86_64/Packages/mesa-libGL-11.0.7-4.el6.i686.rpm
 - * wget rpm https://rpmfind.net/linux/centos/6.10/os/x86_64/Packages/libXmu-1.1.1-2.el6.x86_64.rpm
 - wget -O /etc/yum.repos.d/virtualbox.repo <http://download.virtualbox.org/virtualbox/rpm/rhel/virtualbox.repo>
 - yum list VirtualBox*
 - yum update
 - yum install VirtualBox-5.2
- rpm -ivh https://releases.hashicorp.com/vagrant/2.1.4/vagrant_2.1.4_x86_64.rpm
- – PENCIL
 - * 1
- root contributon
 -
 - vagrantfile

```
Vagrant.configure("2") do |config|
  config.vm.box = "ubuntu/xenial64"
end
```
 -
- vagrant up
- vagrant status
 -
- vagrant ssh
 - vatrantfile
 -
- vagrant destroy
 -
- vagrant up
 - .
 -
- ubuntu ()
 - logout
 - *

- vagrant

```
config.vm.provider "virtualbox" do |vb|
  vb.memory = "6144"
  vb.cpus = "6"
end
```

- .
- - <https://nhnent.dooray.com/share/posts/NksDQdLvSA-KRSuJra5jlA>
 - virtualbox
 - * host-only networking
 - vagrant networking
 - * Forwarded port
 - https://www.vagrantup.com/docs/networking/forwarded_ports.html
 - vagrantfile
 - * config.vm.network "forwarded_port", guest: 80, host: 8080
 - *
 - vagrant reload
 - NAT IP

- snapshot

-
- - vagrant VM
- vm
- vagrantfile

```
Vagrant.configure("2") do |config|
  config.vm.box = "ubuntu/xenial64"
  config.vm.provider "virtualbox" do |vb|
    vb.memory = "6144"
    vb.cpus = "6"
  end
  config.vm.network "forwarded_port", guest: 80, host: 8080
end
```

- devstack
 - <https://docs.openstack.org/devstack/latest/>
 - * download devstack
 - git branch -l
 - *
 - * git branch -r
 - master
 - git checkout stable/pike
 - git status

```

*
- local.conf
  * [[local|localrc]]
  * HOST_IP=10.0.2.15
  .
  * ADMIN_PASSWORD=secret
  * DATABASE_PASSWORD=$ADMIN_PASSWORD
  * RABBIT_PASSWORD=$ADMIN_PASSWORD
  * SERVICE_PASSWORD=$ADMIN_PASSWORD
- ./stack.sh
  *
  *
- * admin
  * secret
• screen
  -
  - yum install screen
  - screen -S devstack
  - ctrl+a,d
  - screen -list
  - screen -r
  - screen session .
    * screen -X -S [ ] quit
  -
  -
• rst
  - https://www.slideshare.net/ianychoi/pycon-kr-2017-rst-python-openstack
    * RST
  - * http://git.openstack.org/cgit
    * https://docs.openstack.org/ko\_KR/upstream-training/
• spec
  -
• - fork.
  -
  -
```

```

- .
- $ ssh-keygen -t rsa -b 4096
    *
- tect.ssut
    * git

```

1.2 Seonghyo

1.2.1 Openstack 1 (2018/08/31)

- - Cafe24 Server
- Vagrant
- DevStack Install

Cafe24 Server

- - Linux : CentOS 6.10
- CPU : Intel(R) Xeon(R) E3-1231 v3 @ 3.40GHz
- Cores : 8
- RAM : 8 GB
- Disk : 235 GB, 1 TB

Vagrant

Tool

- VirtualBox :

```

wget -O /etc/yum.repos.d/virtualbox.repo http://download.virtualbox.org/
↪virtualbox/rpm/rhel/virtualbox.repo
yum update
yum install VirtualBox-5.2

```

- Vagrant :

```

rpm -ivh https://releases.hashicorp.com/vagrant/2.1.4/vagrant_2.1.4_x86_64.rpm

```

- Vagrant (Vagrantfile):

```

Vagrant.configure("2") do |config|
  config.vm.box = "ubuntu/xenial64" --> Box
  config.vm.provider "virtualbox" do |vb|
    vb.memory = "6144"
    vb.cpus = "6"
  end
  config.vm.network "forwarded_port", guest: 80, host: 8080 -->
end

```

- Vagrant :

```
vagrant status -> VM
vagrant ssh -> +
vagrant up -> VM
vagrant destroy -> VM
vagrant reload ->
```

Note: Vagrant VM VM Destroy DevStack OS

1.2.2 Openstack 2 (2018/09/06)

- - Git & Github
 - Gerrit & Sandbox

Git & Github

- Setting

1. ssh-keygen -t rsa -> ~/.ssh/id_rsa* id_rsa id_ras.pub
2. github repo ssh .

```
git log -> commit .
git log -p -> .
git status -> add commit
git diff .. -> .
git config user.name "SeongHyo"
git config user.email "abc9023@naver.com"
git config --list
```

- git Remote

1. git .
2. clone origin, OpenSource upstream.

```
git remote -v -> remote
git remote add upstream() github
git pull upstream ->
git pull master
git push origin master ->
git checkout -b 20180906 -> branch (master )
```

- fork repo pull & request

1. fork 10 commit 19 commit
2. commit remote add upstream [ssh]
3. git push origin master 19 .

:

```
git checkout -b 201809 ->
git branch -a ->
git push origin 201809:
```

- master branch . (github branch pull request (merge))
- fork repo pull & request
- 1. fork 10 commit 19 commit
- 2. commit remote add upstream [ssh]
- 3. git pull upstream master
- 4. git push origin master 19 .
- review 2
- 1. git push origin 20180906:0906() commit
- 2. git commit -a amend commit, ”-force“ push

Gerrit & sandbox

- sandbox
- 1. openstack ,clone git://git.openstack.org/openstack-dev/sandbox
- 2. <https://review.openstack.org/#/admin/projects/openstack-dev/sandbox>
- Gerrit
- 1. review.openstack.org gerrit code review .
- 2. gerrit commit , gerrit fetch revision
- Contribution (Test)
- 1. launchpad.net/openstack-dev-sandbox
- 2. <https://bugs.launchpad.net/openstack-dev-sandbox/+bug/1792344>, URL
- 3. git review -s gerrit
- 4. Enter your gerrit username: openstack profile
- 5. Could not connect to gerrit. ssh .
- 6. commit git log change-id
- 7. git review

```
[root@q352-3202 /home/pusher/sandbox/sandbox]# git review
remote: Resolving deltas: 100% (1/1)
remote: Processing changes: new: 1, refs: 1, done
remote:
remote: New Changes:
remote:  https://review.openstack.org/602356 Add first commit
remote:
To ssh://seonghyo@review.openstack.org:29418/openstack-dev/sandbox.git
* [new branch]      HEAD -> refs/publish/master/bug/1792344
https://review.openstack.org/602356 Fetch .
```

- reply
- 1. <https://review.openstack.org/> reply . code-review workflow

```
-2 fetch
-1
+2 Core review merge

-1      or fetch      review .
+1 merge
```

2. 2 +2 fetch merge .

- 1. git checkout -b branch
 2. git pull origin master .
 3. git commit -a --amend (gerrit commit amend.)
 4. git review <https://review.openstack.org/602359> URL
- 1. git clone
 2. git review -s``
 3. git review -d [URL] fetch branch

CHAPTER 2

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- search