

EX NO 8

VIRTUAL MACHINE CREATION IN OPENSTACK CLOUD PLATFORM(ONLINE)

ROLL NO: 19UITE047

DATE: 28-10-2022

```
stack@vmub-hadoop1: ~/devstack
GNU nano 2.2.6 File: local.conf

# Sample ``local.conf`` for user-configurable variables in ``stack.sh``
# NOTE: Copy this file to the root DevStack directory for it to work properly.
# ``local.conf`` is a user-maintained settings file that is sourced from ``stackrc``.
# This gives it the ability to override any variables set in ``stackrc``.
# Also, most of the settings in ``stack.sh`` are written to only be set if no
# value has already been set; this lets ``local.conf`` effectively override the
# default values.
# This is a collection of some of the settings we have found to be useful
# in our DevStack development environments. Additional settings are described
# in https://docs.openstack.org/devstack/latest/configuration.html#local-conf
# These should be considered as samples and are unsupported DevStack code.
# The ``localrc`` section replaces the old ``localrc`` configuration file.
# Note that if ``localrc`` is present it will be used in favor of this section.
[[local|localrc]]
# Minimal Contents
# -----
# While ``stack.sh`` is happy to run without ``localrc``, devlife is better when
# there are a few minimal variables set:
# If the ``*_PASSWORD`` variables are not set here you will be prompted to enter
# values for then by ``stack.sh`` and they will be added to ``local.conf``.
ADMIN_PASSWORD=nomoresecret
DATABASE_PASSWORD=stackdb
RABBIT_PASSWORD=stackqueue
SERVICE_PASSWORD=$ADMIN_PASSWORD
# ``HOST_IP`` and ``HOST_IPV6`` should be set manually for best results if
# the NIC configuration of the host is unusual, i.e. ``eth1`` has the default
# route but ``eth0`` is the public interface. They are auto-detected in
# ``stack.sh`` but often is indeterminate on later runs due to the IP moving

^G Get Help      ^O WriteOut      ^R Read File     ^Y Prev Page     ^K Cut Text      ^C Cur Pos
^X Exit          ^J Justify       ^W Where Is      ^V Next Page     ^U UnCut Text    ^T To Spell

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```

```
stack@vmub-hadoop1: ~/devstack
Logout
Received SIGHUP or SIGTERM

Buffer written to local.conf.save
Received SIGHUP or SIGTERM
user@vmub-hadoop1:~$ sudo useradd -s/bin/bash -d/opt/stack -m stack
user@vmub-hadoop1:~$ sudo su - stack
stack@vmub-hadoop1:~$ git clone https://github.com/openstack-dev/devstack
Cloning into 'devstack'...
remote: Enumerating objects: 49349, done.
remote: Counting objects: 100% (2575/2575), done.
remote: Compressing objects: 100% (869/869), done.
remote: Total 49349 (delta 1843), reused 2219 (delta 1695), pack-reused 46774
Receiving objects: 100% (49349/49349), 15.57 MiB | 2.33 MiB/s, done.
Resolving deltas: 100% (34474/34474), done.
Checking connectivity... done.
stack@vmub-hadoop1:~$ cd devstack
stack@vmub-hadoop1:~/devstack$ ls
clean.sh  doc  functions  gate  lib  openrc  roles  stackrc  tools
CONTRIBUTING.rst  extras.d  functions-common  HACKING.rst  LICENSE  playbooks  run_tests.sh  stack.sh  tox.ini
data  files  FUTURE.rst  inc  Makefile  README.rst  samples  tests  unstack.sh
stack@vmub-hadoop1:~/devstack$ cd samples
stack@vmub-hadoop1:~/devstack/samples$ ls
local.conf  local.sh
stack@vmub-hadoop1:~/devstack/samples$ cp local.conf ../
stack@vmub-hadoop1:~/devstack/samples$ cd ..
stack@vmub-hadoop1:~/devstack$ ls
clean.sh  doc  functions  gate  lib  openrc  roles  stackrc  tools  unstack.sh
CONTRIBUTING.rst  extras.d  functions-common  HACKING.rst  LICENSE  Makefile  README.rst  samples  tests  unstack.sh
data  files  FUTURE.rst  inc  local.conf  playbooks  run_tests.sh  stack.sh  tox.ini
stack@vmub-hadoop1:~/devstack$ nano local.conf
Use "fg" to return to nano.

[1]+  Stopped                  nano local.conf
stack@vmub-hadoop1:~/devstack$ cd devstack
-su: cd: devstack: No such file or directory
stack@vmub-hadoop1:~/devstack$ ls
clean.sh  doc  functions  gate  lib  Makefile  README.rst  samples  tests  unstack.sh
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stack@vmub-hadoop1:~/devstack$

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stack@vmub-hadoop1:~/devstack$ cd samples
stack@vmub-hadoop1:~/devstack/samples$ ls
local.conf  local.sh
stack@vmub-hadoop1:~/devstack/samples$ sudo rm /var/lib/dpkg/lock
[sudo] password for stack:
stack@vmub-hadoop1:~/devstack/samples$ exit
Logout
There are stopped jobs.
stack@vmub-hadoop1:~/devstack/samples$ exit
Logout
Received SIGHUP or SIGTERM

Buffer written to local.conf.save
user@vmub-hadoop1:~$ sudo useradd -s/bin/bash -d/opt/stack -m stack
user@vmub-hadoop1:~$ echo "stack ALL=(ALL) NOPASSWD: ALL" | sudo tee /etc/sudoers.d/stack
stack ALL=(ALL) NOPASSWD: ALL
user@vmub-hadoop1:~$ sudo su - stack
stack@vmub-hadoop1:~$ git clone https://github.com/openstack-dev/devstack
Cloning into 'devstack'...
remote: Enumerating objects: 49349, done.
remote: Counting objects: 100% (2575/2575), done.
remote: Compressing objects: 100% (843/843), done.
remote: Total 49349 (delta 1843), reused 2245 (delta 1721), pack-reused 46774
Receiving objects: 100% (49349/49349), 15.57 MiB | 2.33 MiB/s, done.
Resolving deltas: 100% (34474/34474), done.
Checking connectivity... done.
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stack@vmub-hadoop1:~/devstack/samples$ cp local.conf ../
stack@vmub-hadoop1:~/devstack/samples$ cd ..
stack@vmub-hadoop1:~/devstack$ ls
clean.sh  doc  functions  gate  lib  Makefile  README.rst  samples  tests  unstack.sh
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stack@vmub-hadoop1: ~/devstack
++stackrc:source:797      NOVA_READY_TIMEOUT=60
++stackrc:source:800      SERVICE_GRACEFUL_SHUTDOWN_TIMEOUT=5
++stackrc:source:803      WORKER_TIMEOUT=90
++stackrc:source:811      trueorfalse False OFFLINE
+++functions-common:trueorfalse:219      local xtrace
+++functions-common:trueorfalse:220      grep xtrace
+++functions-common:trueorfalse:220      set +o
+++functions-common:trueorfalse:220      xtrace='set -o xtrace'
+++functions-common:trueorfalse:221      set +o xtrace
++stackrc:source:811      OFFLINE=False
++stackrc:source:816      trueorfalse False ERROR_ON_CLONE
+++functions-common:trueorfalse:219      local xtrace
+++functions-common:trueorfalse:220      set +o
+++functions-common:trueorfalse:220      grep xtrace
+++functions-common:trueorfalse:220      xtrace='set -o xtrace'
+++functions-common:trueorfalse:221      set +o xtrace
++stackrc:source:816      ERROR_ON_CLONE=False
++stackrc:source:819      trueorfalse True ENABLE_DEBUG_LOG_LEVEL
+++functions-common:trueorfalse:219      local xtrace
+++functions-common:trueorfalse:220      grep xtrace
+++functions-common:trueorfalse:220      set +o
+++functions-common:trueorfalse:220      xtrace='set -o xtrace'
+++functions-common:trueorfalse:221      set +o xtrace
++stackrc:source:819      ENABLE_DEBUG_LOG_LEVEL=True
++stackrc:source:825      FLOATING_RANGE=172.24.4.0/24
++stackrc:source:826      IPV4_ADDRS_SAFE_TO_USE=10.0.0.0/22
++stackrc:source:827      FIXED_RANGE=10.0.0.0/22
++stackrc:source:828      HOST_IP_IFACE=
++stackrc:source:829      HOST_IP=
++stackrc:source:830      HOST_IPV6=
++stackrc:source:832      get_default_host_ip 10.0.0.0/22 172.24.4.0/24 '' '' inet
+++functions-common:get_default_host_ip:770      local fixed_range=10.0.0.0/22
+++functions-common:get_default_host_ip:771      local floating_range=172.24.4.0/24
+++functions-common:get_default_host_ip:772      local host_ip_iface=
+++functions-common:get_default_host_ip:773      local host_ip=
+++functions-common:get_default_host_ip:774      local af=inet
+++functions-common:get_default_host_ip:777      '[' -z '' -o '' == dhcp ']'
+++functions-common:get_default_host_ip:778      host_ip=
+++functions-common:get_default_host_ip:780      head -1
+++functions-common:get_default_host_ip:780      awk '/default/ {print $5}'
+++functions-common:get_default_host_ip:780      ip -f inet route
```

```
stack@vmub-hadoop1: ~  
data          FUTURE.rst      local.conf    run_tests.sh  tox.ini  
doc            gate              Makefile     samples       unstack.sh  
extras.d      HACKING.rst      openrc       stackrc  
files         inc              playbooks   stack.sh  
stack@vmub-hadoop1:~/devstack$ nano local.conf  
Use "fg" to return to nano.  
[1]+  Stopped                  nano local.conf  
stack@vmub-hadoop1:~/devstack$ nano local.conf  
Use "fg" to return to nano.  
[2]+  Stopped                  nano local.conf  
stack@vmub-hadoop1:~/devstack$ sudo rm /var/lib/dpkg/lock  
[sudo] password for stack:  
Sorry, try again.  
[sudo] password for stack:  
sudo: 1 incorrect password attempt  
stack@vmub-hadoop1:~/devstack$ exit  
logout  
There are stopped jobs.  
stack@vmub-hadoop1:~/devstack$  
stack@vmub-hadoop1:~/devstack$ cd  
stack@vmub-hadoop1:~$ exit  
logout  
There are stopped jobs.  
stack@vmub-hadoop1:~$ exit  
logout  
Received SIGHUP or SIGTERM  
Buffer written to local.conf.save  
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user@vmub-hadoop1:~$ sudo useradd -s/bin/bash -d/opt/stack -m stack  
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remote: Total 49349 (delta 1843), reused 2219 (delta 1695), pack-reused 46774  
Receiving objects: 100% (49349/49349), 15.57 MiB | 2.33 MiB/s, done.  
Resolving deltas: 40% (13845/34474)
```