



idk@ubuntu: ~



```
idk@ubuntu:~$ sudo apt update && sudo apt install -y git
[sudo] password for idk:
Hit:1 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:4 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease
Fetched 229 kB in 3s (87.4 kB/s)
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stack@ubuntu: ~



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idk@ubuntu:~$ sudo useradd -s /bin/bash -d /opt/stack -m stack
useradd: user 'stack' already exists
idk@ubuntu:~$ sudo chmod +x /opt/stack
idk@ubuntu:~$ sudo usermod -aG sudo stack
idk@ubuntu:~$ echo "stack ALL=(ALL) NOPASSWD: ALL" | sudo tee /etc/sudoers.d/stack
stack ALL=(ALL) NOPASSWD: ALL
idk@ubuntu:~$ sudo -u stack -i
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stack@ubuntu: ~/devstack



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stack@ubuntu:~$ ls
async  bindep-venv  data          devstack.subunit  horizon  logs  nova  placement  tempest
bin    cinder       devstack      glance            keystone neutron novnc  requirements
stack@ubuntu:~$ cd devstack
stack@ubuntu:~/devstack$
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stack@ubuntu: ~/devstack



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stack@ubuntu:~$ cd devstack
stack@ubuntu:~/devstack$ git clone https://opendev.org/openstack/devstack
Cloning into 'devstack'...
remote: Enumerating objects: 50394, done.
remote: Counting objects: 100% (30568/30568), done.
remote: Compressing objects: 100% (10175/10175), done.
remote: Total 50394 (delta 29834), reused 20393 (delta 20393), pack-reused 19826
Receiving objects: 100% (50394/50394), 9.36 MiB | 1.24 MiB/s, done.
Resolving deltas: 100% (35799/35799), done.
stack@ubuntu:~/devstack$
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stack@ubuntu: ~/devstack



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stack@ubuntu:~/devstack$ cp samples/local.conf local.conf
stack@ubuntu:~/devstack$ vi local.conf
```




```
stack@ubuntu:~$ ls
async  bindep-venv  data          devstack.subunit  horizon  logs      nova  placement  tempest
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```

```
stack@ubuntu:~/devstack$ vi local.conf
```

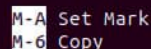


```
[1]+  Stopped                  vi local.conf
stack@ubuntu:~/devstack$ sudo nano local.conf
```



```
local.conf *
```

```
HOST_IP=127.0.0.1
#HOST_IPV6=2001:db8::7
```



M-A Set Mark
M-6 Copy



stack@ubuntu: ~/devstack



Receiving objects: 100% (50394/50394), 9.36 MiB | 1.24 MiB/s, done.

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stack@ubuntu:~/devstack\$ cp samples/local.conf local.conf

stack@ubuntu:~/devstack\$ vi local.conf

[1]+ Stopped vi local.conf

stack@ubuntu:~/devstack\$ sudo nano local.conf

stack@ubuntu:~/devstack\$./stack.sh

+ unset GREP_OPTIONS

+ unset LANG

+ unset LANGUAGE

+ LC_ALL=en_US.utf8

+ export LC_ALL

++ env

++ grep -E '^OS_'

++ cut -d = -f 1

+ unset

+ umask 022

+ PATH=/opt/stack/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin:/usr/local/bin:/usr/local/sbin:/usr/sbin

+++ dirname ./stack.sh

++ cd .

++ pwd

+ TOP_DIR=/opt/stack/devstack

+ NOUNSET=

+ [[-n '']]

++ date +%s

+ DEVSTACK_START_TIME=1695997740

+ [[-r /opt/stack/devstack/.stackenv]]

+ rm /opt/stack/devstack/.stackenv

+ FILES=/opt/stack/devstack/files

+ '[' '!' -d /opt/stack/devstack/files ']'

+ '[' '!' -d /opt/stack/devstack/inc ']'

+ '[' '!' -d /opt/stack/devstack/lib ']'

+ [['' == \y]]

+ [[1001 -eq 0]]

+ [[-n '']]

+ [[-e /opt/stack/.no-devstack]]

+ LAST_SPINNER_PID=

+ source /opt/stack/devstack/functions



stack@ubuntu: ~/devstack



placement	SET	2
nova_api	SELECT	114
nova_cell1	SELECT	219
nova_cell0	SELECT	82
nova_cell0	INSERT	6
nova_cell0	UPDATE	10
nova_cell1	UPDATE	55
nova_cell1	INSERT	3
placement	UPDATE	3
cinder	SELECT	121
cinder	INSERT	5
cinder	UPDATE	3
glance	SELECT	49
glance	INSERT	6
glance	UPDATE	2
nova_api	INSERT	20
nova_api	SAVEPOINT	10
nova_api	RELEASE	10
cinder	DELETE	1

This is your host IP address: 127.0.0.1

This is your host IPv6 address: ::1

Horizon is now available at <http://127.0.0.1/dashboard>

Keystone is serving at <http://127.0.0.1/identity/>

The default users are: admin and demo

The password: idk

Services are running under systemd unit files.

For more information see:

<https://docs.openstack.org/devstack/latest/systemd.html>

DevStack Version: 2023.2

Change: f871476c222b2760542407bb75a45a571c568cef Merge "Use OS_CLOUD in sample local.sh" 2023-09-25 13:31:33 +0000

OS Version: Ubuntu 22.04 jammy

stack@ubuntu:~/devstack\$ source openrc

WARNING: setting legacy OS_TENANT_NAME to support cli tools.

stack@ubuntu: ~/devstack

```
| 19185f21-ee1b-409c-8e15-97a2d4e3c003 | shared | 035d62f0-1a0e-4b40-880c-f7d7e83cd79d  
| 6744486a-39cb-48d7-a357-651dd5bd3024 | private | 0d441256-2055-4aab-aaa1-4f674d1efe02, 6a06a3f9-10f6-4653-bb4a-4f628b9e7aab  
| a81e0b3c-0ee9-46a5-9609-b88dd90eab0d | public | 58b9ddf0-eb0c-4dc7-a367-b3e283b595af, 7691ca5e-e32d-420d-be04-092652450ec4
```

```
stack@ubuntu:~/devstack$ openstack image list
```

ID	Name	Status
46bef1b6-b43e-410f-973c-f26deb35f119	cirros-0.6.2-x86_64-disk	active

```
stack@ubuntu:~/devstack$ openstack catalog list
```

Name	Type	Endpoints
neutron	network	RegionOne public: http://127.0.0.1:9696/networking
placement	placement	RegionOne public: http://127.0.0.1/placement
glance	image	RegionOne public: http://127.0.0.1/image
nova	compute	RegionOne public: http://127.0.0.1/compute/v2.1
nova_legacy	compute_legacy	RegionOne public: http://127.0.0.1/compute/v2/c9cdf113717b456996c044b9e15ab804
keystone	identity	RegionOne public: http://127.0.0.1/identity
cinderv3	volumev3	RegionOne public: http://127.0.0.1/volume/v3/c9cdf113717b456996c044b9e15ab804
cinder	block-storage	RegionOne public: http://127.0.0.1/volume/v3/c9cdf113717b456996c044b9e15ab804

```
stack@ubuntu:~/devstack$
```

stack@ubuntu: ~/devstack



OS Version: Ubuntu 22.04 jammy

stack@ubuntu:~/devstack\$ source openrc

WARNING: setting legacy OS_TENANT_NAME to support cli tools.

stack@ubuntu:~/devstack\$ openstack network list

ID	Name	Subnets
19185f21-ee1b-409c-8e15-97a2d4e3c003	shared	035d62f0-1a0e-4b40-880c-f7d7e83cd79d
6744486a-39cb-48d7-a357-651dd5bd3024	private	0d441256-2055-4aab-aaa1-4f674d1efe02, 6a06a3f9-10f6-4653-bb4a-4f628b9e7aab
a81e0b3c-0ee9-46a5-9609-b88dd90eab0d	public	58b9ddf0-eb0c-4dc7-a367-b3e283b595af, 7691ca5e-e32d-420d-be04-092652450ec4

stack@ubuntu:~/devstack\$ openstack image list

ID	Name	Status
46bef1b6-b43e-410f-973c-f26deb35f119	cirros-0.6.2-x86_64-disk	active

stack@ubuntu:~/devstack\$ openstack catalog list

Name	Type	Endpoints
neutron	network	RegionOne public: http://127.0.0.1:9696/networking
placement	placement	RegionOne public: http://127.0.0.1/placement
glance	image	RegionOne public: http://127.0.0.1/image
nova	compute	RegionOne public: http://127.0.0.1/compute/v2.1
nova_legacy	compute_legacy	RegionOne public: <u>http://127.0.0.1/compute/v2/c9cdf113717b456996c044b9e15ab804</u>
keystone	identity	RegionOne public: http://127.0.0.1/identity