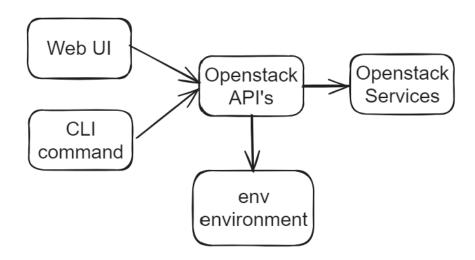
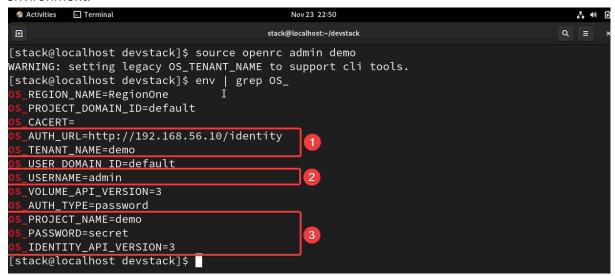
Understand how to OpenStack API and Command Line interface

All of the functionality that provided by the dashboard is also accessible through the OpenStack APIs.



Credentials

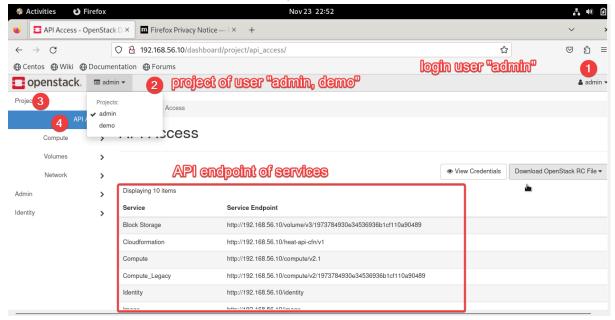
To use the APIs you need to have the correct OpenStack credentials loaded into your environment.



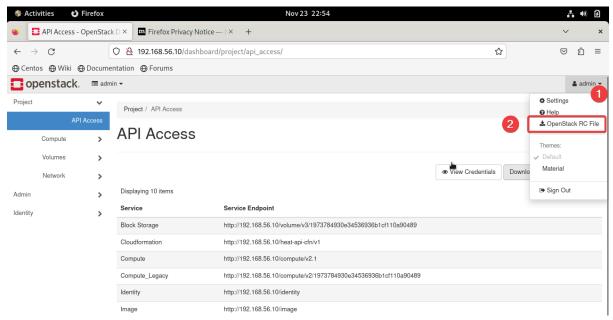
https://docs.openstack.org/keystone/latest/admin/cli-manage-projects-users-and-roles.html

Get your credentials

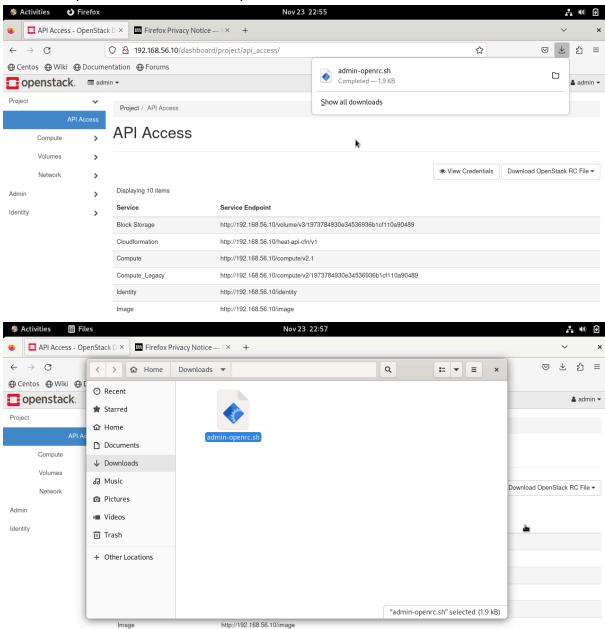
Each of Openstack have own endpoint Project > API Access



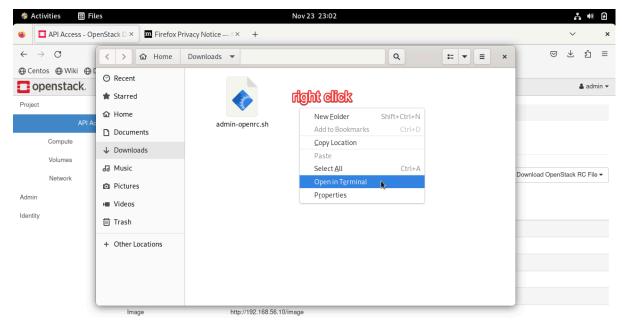
Get Openstack RC file by click menu from account menu and Download to your host machine



download openstack rc file "admin-openrc.sh" to download folder



Open in terminal right click on file browser



Check version of python-openstackclient

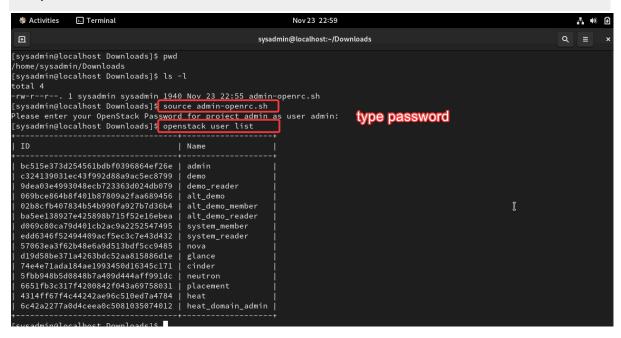
```
sysadmin@localhost:~/Downloads

[sysadmin@localhost Downloads]$
[sysadmin@localhost Downloads]$ pip list | grep python-openstackclient

python-openstackclient 6.3.0

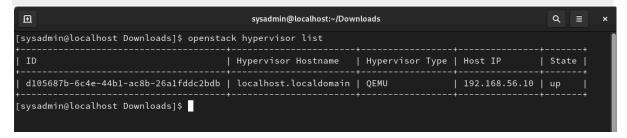
[sysadmin@localhost Downloads]$
```

- \$ source admin-openrc.sh
- \$ openstack user list

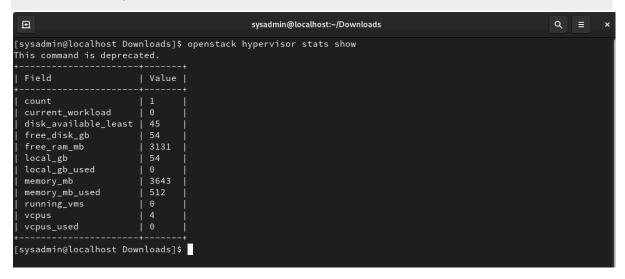


Run openstack command and get result

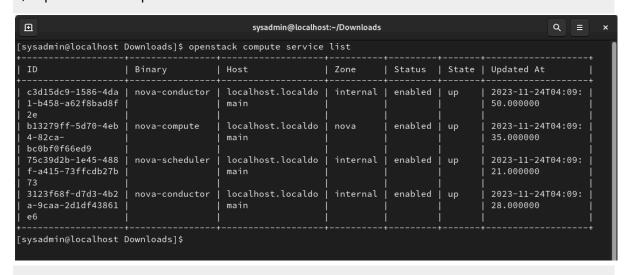
\$ openstack hypervisor list



\$ openstack hypervisor stats show



\$ openstack compute service list



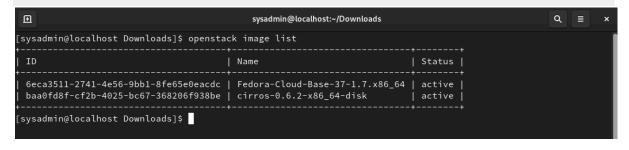
\$ openstack volume service list



\$ openstack network agent list

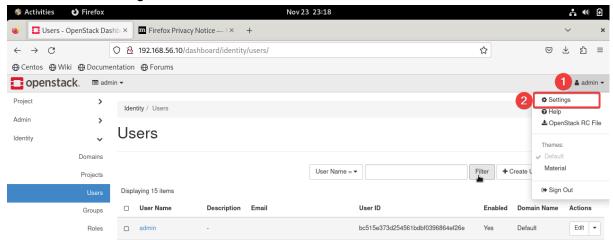


\$ openstack image list

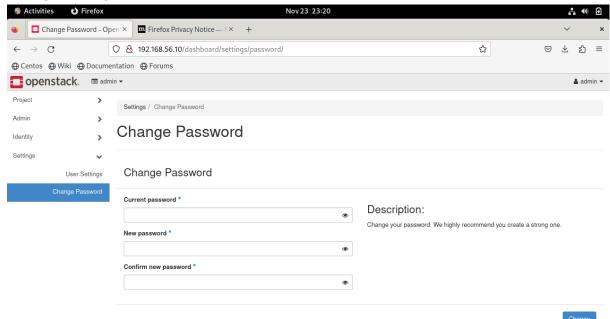


Reset Password

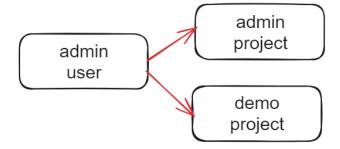
Goto Admin > Settings



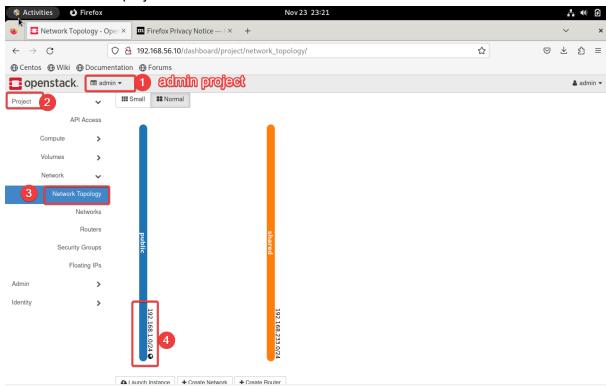
Setting > Change Password



User admin and project



Network of Admin project



Network of Demo project

