OpenStack cheat sheet



Install	Users	Projects
<pre>Install OpenStack \$ sudo snap install openstack \$ sunbeam prepare-node-script bash -x && newgrp snap_daemon \$ sunbeam cluster bootstrapaccept-defaults \$ sunbeam configureaccept-defaultsopenrc demo- openrc</pre>	List users openstack user list	List projects openstack project list
	Show user details openstack user show <user id=""></user>	Show project details openstack project show <project id=""></project>
	Create user openstack user createpassword <password> <user name=""></user></password>	Create project openstack project create <pre><pre>project name></pre></pre>
Launch test instance \$ sunbeam launch ubuntu -n test	Update user openstack user set <key> <value> <user id=""></user></value></key>	Update project openstack project set <key> <value> <project id=""></project></value></key>
Interact	Set user password openstack user password set	Delete project openstack project delete <project id=""></project>
Obtain OpenStack dashboard URL \$ sunbeam dashboard-url	Delete user openstack user delete <user id=""></user>	Roles
Generate admin RC file \$ sunbeam openrc > admin_openrc	Groups	Assign role on project openstack role addproject <pre><pre>cr <pre>cproject ID> [user <user]< pre=""></user]<></pre></pre></pre>
Source RC file source <file path=""></file>	List groups	ID> group <group id="">] <role name=""></role></group>
List OpenStack services openstack catalog list	openstack group list Show group details openstack group show <group id=""></group>	Remove role on project openstack role removeproject <project id=""> [user <user id=""> group <group id="">] <role name=""></role></group></user></project>
Domains	Create group openstack group create <group name=""></group>	Images
List domains openstack domain list	Update group openstack group set <key> <value> <group id=""></group></value></key>	Listimages openstack image list
Show domain details openstack domain show <domain id=""></domain>	Add user to group openstack group add user <group id=""> <user id=""></user></group>	Show image details openstack image show <image id=""/>
Create domain openstack domain create <domain name=""></domain>	Remove user from openstack group remove user <group id=""> <user id=""></user></group>	Create image openstack image createdisk-format qcow2file <file path=""> <image name=""/></file>
Update domain openstack domain set <key> <value> <domain id=""></domain></value></key>	Delete group openstack group delete <group id=""></group>	Update image openstack image set <key> <value> <image id=""/></value></key>
Update domain openstack domain set <key> <value> <domain id=""></domain></value></key>		Delete image openstack image delete <image id=""/>

Flavors

OpenStack cheat sheet



Flavors	Subnets	Security groups
List flavors openstack flavor list	List subnets openstack subnet list	List security groups openstack security group list
Show flavor details openstack flavor show <flavor name=""></flavor>	Show subnet details openstack subnet show <subnet id=""></subnet>	Show security group details openstack security group show <security group="" id=""></security>
Create flavor openstack flavor createvcpus <vcpus>ram <ram [mb]="">disk <disk [gb]=""> <flavor name=""></flavor></disk></ram></vcpus>	Create subnet openstack subnet createnetwork <network id="">subnet-range <subnet cidr=""> <subnet name=""></subnet></subnet></network>	Create security group openstack security group create <security group="" name=""></security>
Update flavor openstack flavor set <key> <value> <flavor name=""></flavor></value></key>	Update subnet openstack subnet set <key> <value> <subnet id=""></subnet></value></key>	<pre>- Update security group openstack security group set <key> <value> <security group="" id=""></security></value></key></pre>
Delete flavor openstack flavor delete <flavor name=""></flavor>	Delete subnet openstack subnet delete <subnet id=""></subnet>	List rules in the security group openstack security group rule list <security group="" id=""></security>
Networks	Routers	Add rule to the security group openstack security group rule create <key> <value> <security group="" id=""></security></value></key>
List networks openstack network list	List routers openstack router list	Delete rule from the security group
Show network details openstack network show <network id=""></network>	Show router details openstack router show <router id=""></router>	openstack security group rule delete <rule id=""> Delete security group</rule>
Create network openstack network create <network name=""></network>	Create router openstack router create <router name=""></router>	openstack security group delete <security group="" id=""></security>
Update network openstack network set <key> <value> <network id=""></network></value></key>	Update router openstack router set <key> <value> <router id=""></router></value></key>	Key pairs List key pairs
Delete network openstack network delete <network id=""></network>	Attach subnet to router openstack router add subnet <router id=""> <subnet id=""></subnet></router>	openstack keypair list Show key pair details openstack keypair show <key name="" pair=""></key>
	Detach subnet from router openstack router remove subnet <router id=""> <subnet id=""></subnet></router>	
		Create kay pair openstack keypair createprivate-key <file path=""> <key name="" pair=""></key></file>
	Delete router openstack router delete <router id=""></router>	
		Delete key pair openstack keypair delete <key name="" pair=""></key>

OpenStack cheat sheet



Instances	Volumes	Teardown
Listinstances openstack server list	List volumes openstack volume list	Stop OpenStack sudo snap stop openstack
Show instance details openstack server show <instance name=""></instance>	Show volume details openstack volume show <volume id=""></volume>	Start OpenStack sudo snap start openstack
Create instance openstack server createflavor <flavor name="">image</flavor>	Create volume openstack volume createsize <size [gb]=""> <volume< td=""><td>Disable OpenStack sudo snap disable openstack</td></volume<></size>	Disable OpenStack sudo snap disable openstack
<pre><image id=""/>network <network id="">key-name <key name="" pair=""> <instance name=""></instance></key></network></pre>	name> Update volume	Enable OpenStack sudo snap enable openstack
<pre>Update instance openstack server set <key> <value> <instance id=""></instance></value></key></pre>	openstack volume set <key> <value> <volume id=""></volume></value></key>	Uninstall OpenStack
Delete instance	Attach the volume to the instance openstack server add volume <instance id=""> <volume id=""></volume></instance>	sudo snap removepurge openstack
openstack server delete <instance id=""></instance>	Detach the volume from the instance openstack server remove volume <instance id=""> <volume id=""></volume></instance>	Ubuntu Pro
Floating IPs	Delete volume	Attach <u>Ubuntu Pro subscription</u> sunbeam enable protoken <token></token>
List floating IPs openstack floating ip list	openstack volume delete <volume id=""></volume>	Detach Ubuntu Pro subscription
Create floating IP	Quotas	sunbeam disable pro
openstack floating ip create <network id=""></network>	List default quotas openstack quota showdefault	OpenStack tutorials
Attach floating IP to instance openstack server add floating ip <instance id=""> <floating id="" ip=""></floating></instance>	Update default quotas openstack quota set <key> <value>class default</value></key>	Experience OpenStack through a series of tutorials. Learn how to use OpenStack for cloud infrastructure
Detach floating IP from instance openstack server remove floating ip <instance id=""> <floating id="" ip=""></floating></instance>	List project quotas openstack quota show <project id=""></project>	implementation purposes on your workstation, from a single-node installation to large-scale clusters.
Delete floating IP openstack floating ip delete <floating id="" ip=""></floating>	Update project quotas openstack quota set <key> <value> <project id=""></project></value></key>	Find out more at: https://ubuntu.com/openstack/tutorials .