OpenStack cheat sheet





Install	Users	Projects	
Install OpenStack sudo snap install microstackbetadevmode	List users openstack user list	List projects openstack project list	
Install OpenStack client	<pre>Show user details openstack user show <user id=""></user></pre>	Show project details openstack project show <project id=""></project>	
sudo snap install openstackclients	<pre>Create user openstack user createpassword <password> <user name=""></user></password></pre>	Create project openstack project create <pre><pre>project name></pre></pre>	
Interact	Update user	Update project	
Obtain <i>admin</i> user password	openstack user set <key> <value> <user id=""></user></value></key>	openstack project set <key> <value> <project id=""></project></value></key>	
sudo snap get microstack config.credentials.keystone- password	Set user password openstack user password set	Delete project openstack project delete <project id=""></project>	
OpenStack dashboard URL https://10.20.20.1	Delete user openstack user delete <user id=""></user>	Roles	
Source downloaded RC file source <file path=""></file>	Groups	Assign role on project openstack role addproject <project id=""> [user <user< td=""></user<></project>	
List OpenStack services	List groups	ID> group <pre> group ID>] <role name=""></role></pre>	
openstack catalog list	openstack group list	Remove role on project	
Domains	Show group details openstack group show <group id=""></group>	openstack role removeproject <pre><pre>roject ID> [user </pre> <pre><user id=""> group <group id="">] <role name=""></role></group></user></pre></pre>	
List domains openstack domain list	Create group openstack group create <group name=""></group>	Images	
Show domain details openstack domain show <domain id=""></domain>	Update group openstack group set <key> <value> <group id=""></group></value></key>	Listimages openstack image list	
Create domain openstack domain create <domain name=""></domain>	Add user to group openstack group add user <group id=""> <user id=""></user></group>	Show image details openstack image show <image id=""/>	
Update domain openstack domain set <key> <value> <domain id=""></domain></value></key>	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>	
Delete domain openstack domain delete <domain id=""></domain>	Delete group openstack group delete <group id=""></group>	Update image openstack image set <key> <value> <image id=""/></value></key>	
		Delete image openstack image delete <image id=""/>	

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=""> Update security group openstack security group set <key> <value> <security group="" id=""></security></value></key></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>		
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=""> Delete rule from the security group openstack security group rule delete <rule id=""> Delete security group</rule></security></value></key>	
List networks openstack network list	Listrouters openstack router list		
Show network details openstack network show <network id=""></network>	Show router details openstack router show <router id=""></router>		
Create network openstack network create <network name=""></network>	Create router openstack router create <router name=""></router>	openstack security group delete <security group="" id=""> Key pairs List key pairs</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>		
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	
	Detach subnet from router openstack router remove subnet <router id=""> <subnet id=""></subnet></router>	openstack keypair show <key name="" pair=""> Create kay pair openstack keypair createprivate-key <file path=""> <key name="" pair=""></key></file></key>	
	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 microstack	
Show instance details openstack server show <instance id=""></instance>	Show volume details openstack volume show <volume id=""></volume>	Start OpenStack sudo snap start microstack	
Create instance openstack server createflavor <flavor name="">image <image id=""/>network <network id="">key-name <key name="" pai=""> <instance name=""></instance></key></network></flavor>	Create volume openstack volume createsize <size [gb]=""> <volume< td=""><td>Disable OpenStack sudo snap disable microstack</td></volume<></size>	Disable OpenStack sudo snap disable microstack	
	name> Update volume	Enable OpenStack	
Update instance	openstack volume set <key> <value> <volume id=""></volume></value></key>	sudo snap enable microstack Uninstall OpenStack sudo snap removepurge microstack OpenStack tutorials	
openstack server set <key> <value> <instance id=""></instance></value></key>	Attach the volume to the instance openstack server add volume <instance id=""> <volume id=""></volume></instance>		
openstack server delete <instance id=""></instance>	Detach the volume from the instance openstack server remove volume <instance id=""> <volume id=""></volume></instance>		
Floating IPs	Delete volume openstack volume delete <volume id=""></volume>	Learn OpenStack through a series of Starting with just your workstation, l use OpenStack for cloud infrastructu implementation purposes, from a sin installation to large-scale clusters. Find out more at: https://ubuntu.com/openstack/tutor	
List floating IPs			
openstack floating ip list Create floating IP	Quotas		
openstack floating ip create <network id=""></network>	List default quotas		
Attach floating IP to instance	openstack quota showdefault		
openstack server add floating ip <instance id=""> <floating id="" ip=""> \ensuremath{ID}</floating></instance>	Update default quotas openstack quota set <key> <value>class default</value></key>	, , , , , , , , , , , , , , , , , , , ,	
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>		
Delete floating IP openstack floating ip delete <floating id="" ip=""></floating>	Update project quotas openstack quota set <key> <value> <project id=""></project></value></key>		

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penStack tutorials

arn OpenStack through a series of tutorials. arting with just your workstation, learn how to e OpenStack for cloud infrastructure plementation purposes, from a single-node tallation to large-scale clusters.

d out more at: ps://ubuntu.com/openstack/tutorials.