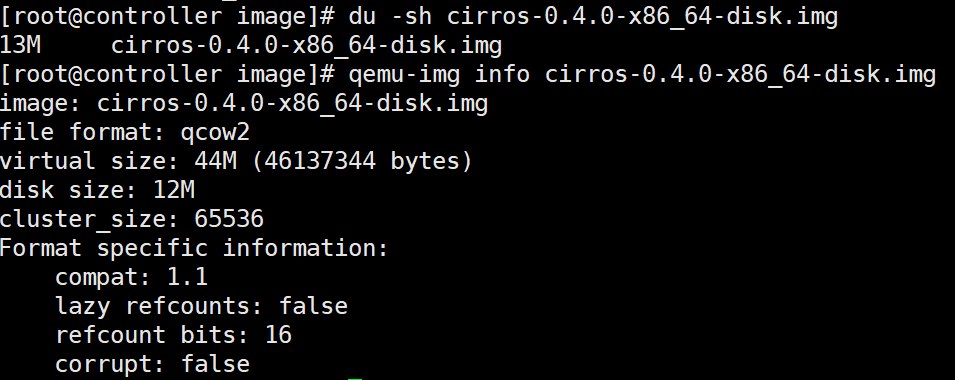
cirrors的img格式物理镜像转为qcow2格式镜像；

## 1.制作qcow2格式的镜像

之前通过制作qcow2格式的Centos7镜像，上传到glance中成功并且成功创建了单个实例，但是创建第二个实例时失败，怀疑是Compute节点的资源情况不够。因此采用cirrors这个比较小的镜像做实验。qcow2格式的镜像是已经安装好了操作系统的镜像，可以直接快速启动。

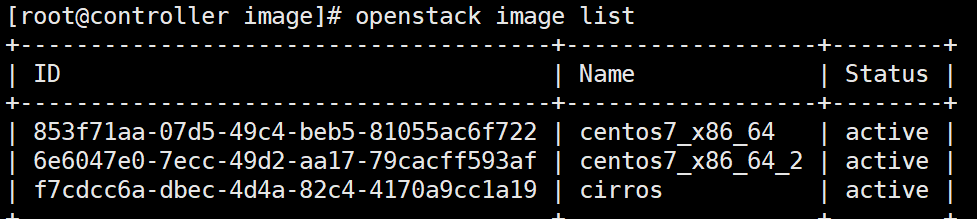
## 2.img格式镜像创建实例

查看当前的cirros的img格式镜像：

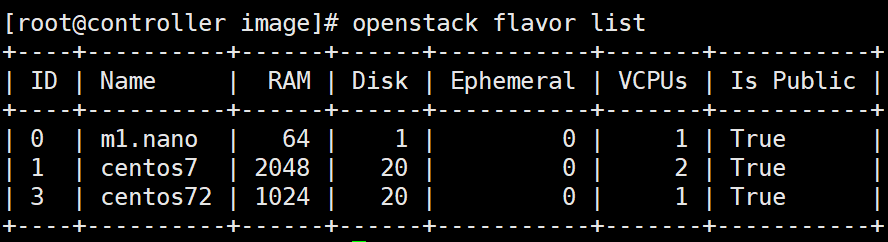


磁盘大小为12M，虚拟大小为44M。

查看当前openstack中上传的镜像：

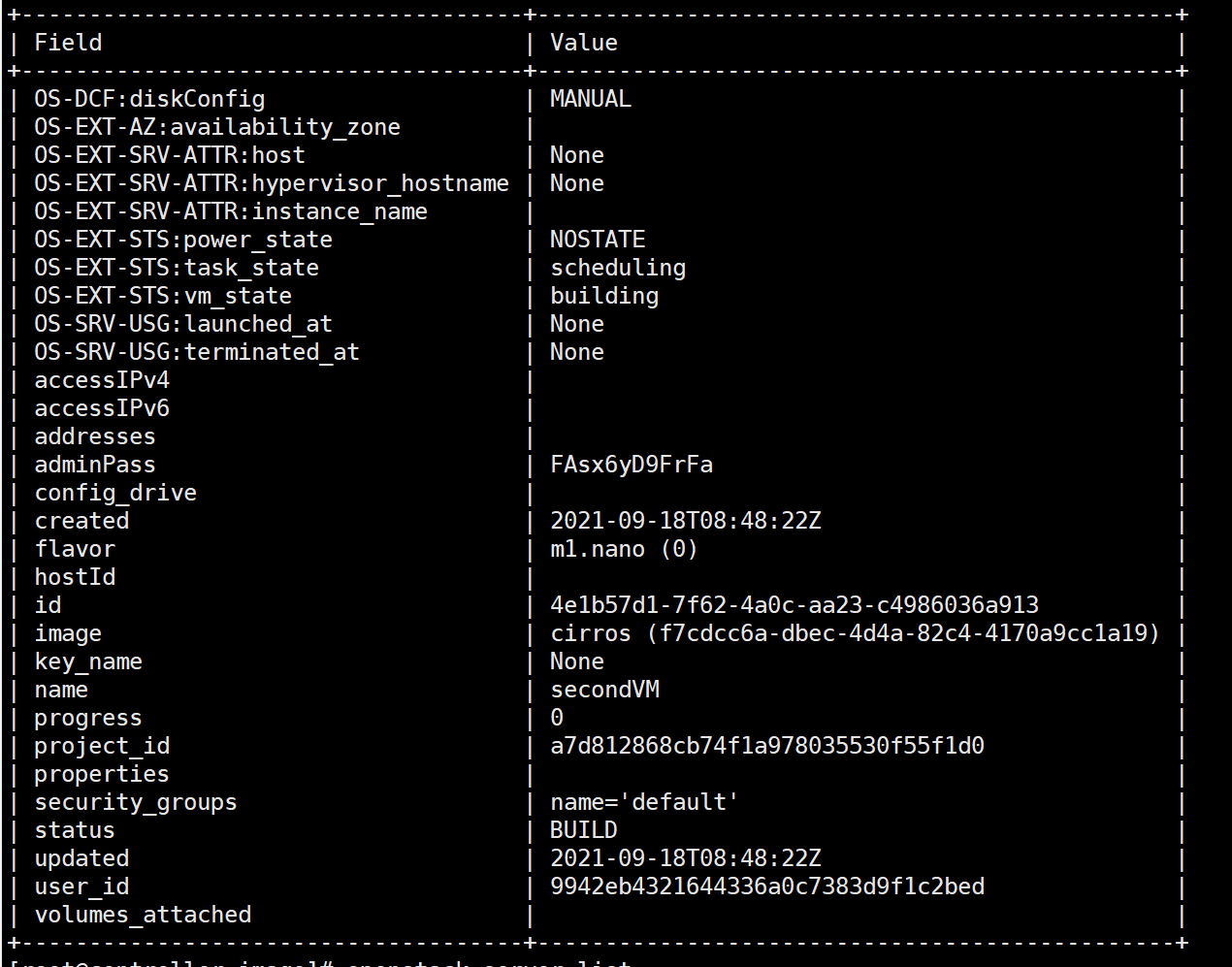


查看当前openstakc中的实例类型：

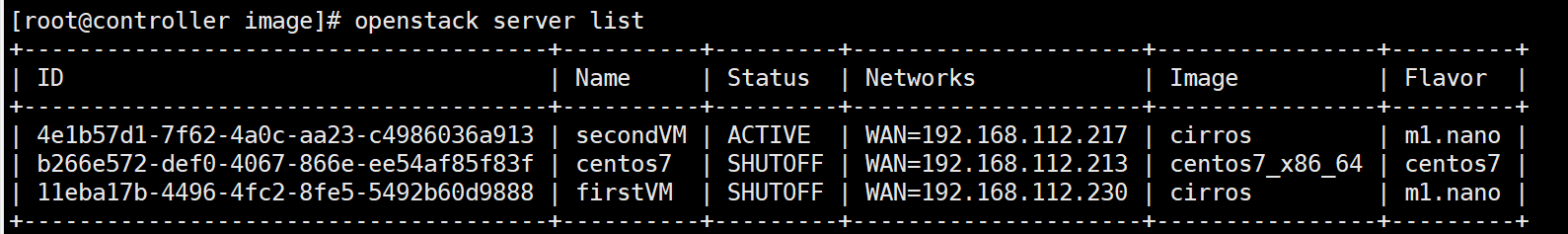


通过cirrors镜像尝试创建一个新的实例：

openstack server create --image cirros --flavor m1.nano secondVM



查看刚刚创建的实例的状态：



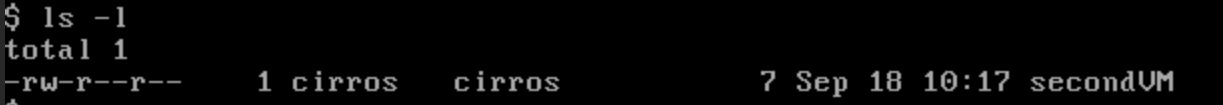
创建成功啦！！！！！！！通过同一个cirros镜像创建成功了两个实例，我们现在尝试通过分配的IP访问该实例：

通过cirros的默认账号和密码登录进去：

cirros

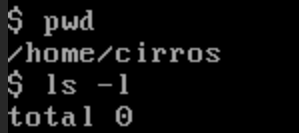
gocubsgo

然后在/home/cirros目录下创建一个文件，以此来区分两个不同cirros实例；



同时启动另一个cirros实例firstVM，目的是为了查看我们在secondVM这个实例中所做的修改是否对firstVM这个实例有影响：

查看/home/cirros目录下的情况，发现啥也没有，说明secondVM这个实例的修改对于firstVM这个实例没有影响：



查看当前的server实例对应的image目录，通过glance的配置文件（/etc/glance/glance-api.conf)查看镜像文件的存储目录：

[root@controller var]# cat /etc/glance/glance-api.conf

[DEFAULT]

[cinder]

[cors]

[database]

connection = mysql+pymysql://glance:GLANCE\_DBPASS@192.168.112.146/glance

[file]

[glance.store.http.store]

[glance.store.rbd.store]

[glance.store.sheepdog.store]

[glance.store.swift.store]

[glance.store.vmware\_datastore.store]

[glance\_store]

stores = file,http

default\_store = file

filesystem\_store\_datadir = /var/lib/glance/images/

[image\_format]

[keystone\_authtoken]

www\_authenticate\_uri = http://192.168.112.146:5000

auth\_url = http://192.168.112.146:5000

memcached\_servers = 192.168.112.146:11211

auth\_type = password

project\_domain\_name = Default

user\_domain\_name = Default

project\_name = service

username = glance

password = GLANCE\_PASS

[oslo\_concurrency]

[oslo\_messaging\_amqp]

[oslo\_messaging\_kafka]

[oslo\_messaging\_notifications]

[oslo\_messaging\_rabbit]

[oslo\_middleware]

[oslo\_policy]

[paste\_deploy]

flavor = keystone

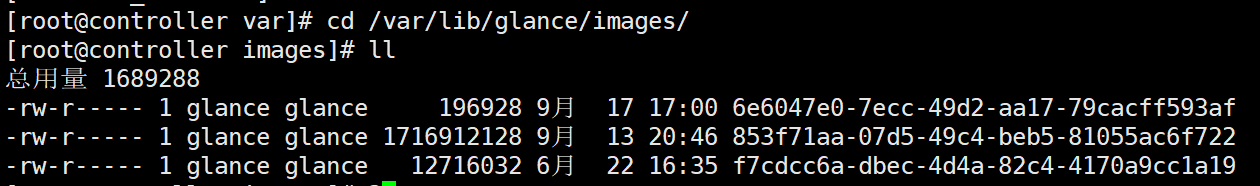
[profiler]

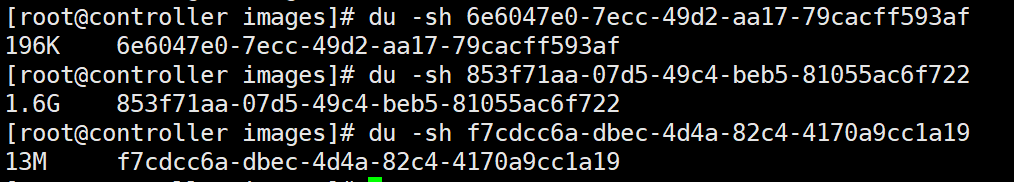
[store\_type\_location\_strategy]

[task]

[taskflow\_executor]

设置的镜像存储目录为：filesystem\_store\_datadir = /var/lib/glance/images/





可以看到，第一行对应的镜像是196k，是昨天根据centos7\_x86\_64镜像创建的一个新的镜像，通过copy on write技术创建的，依赖于原有的镜像，因此它的大小非常的小；

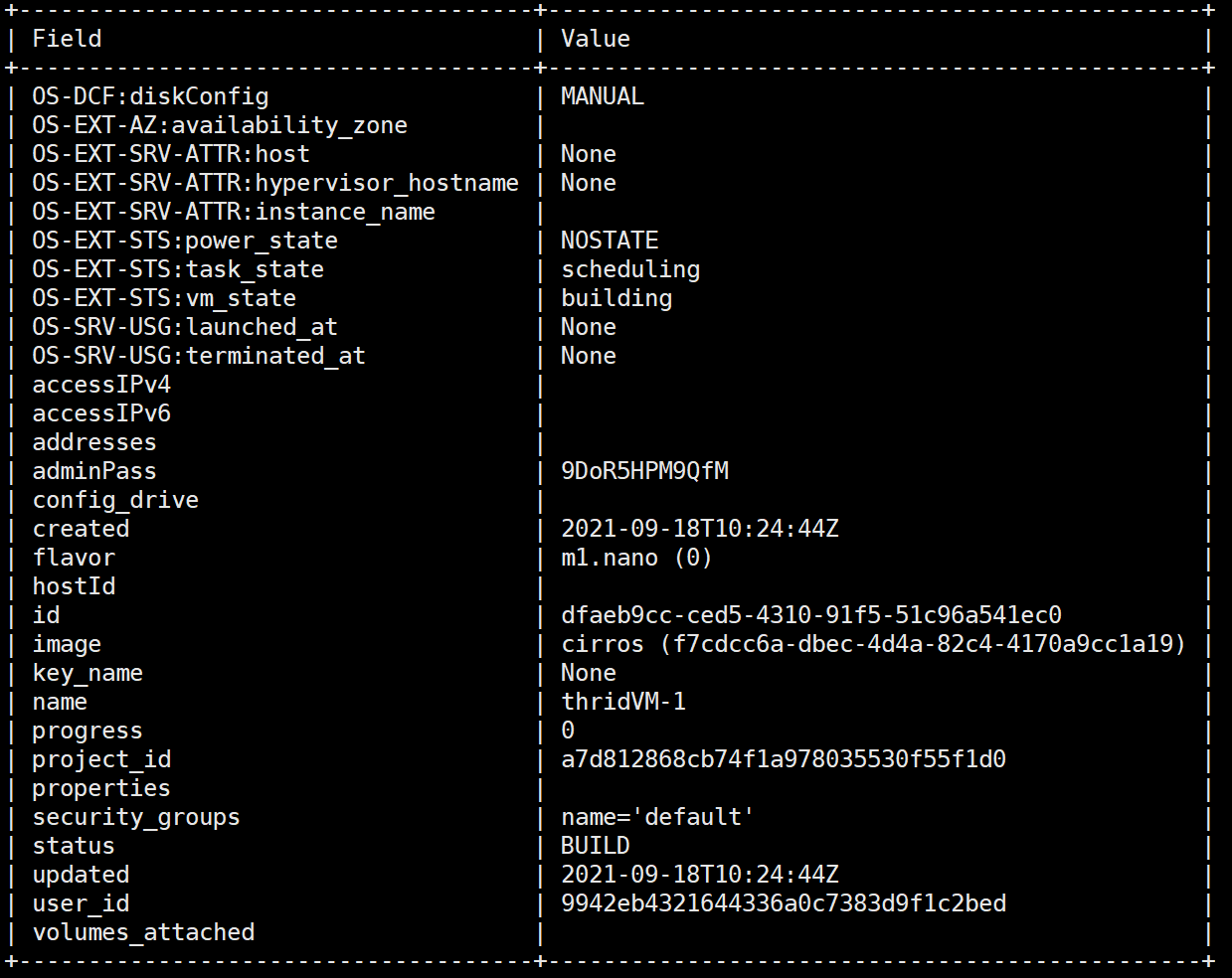
第二行的镜像大小是1.6G，对应的就是原有的centos7\_x86\_64镜像；

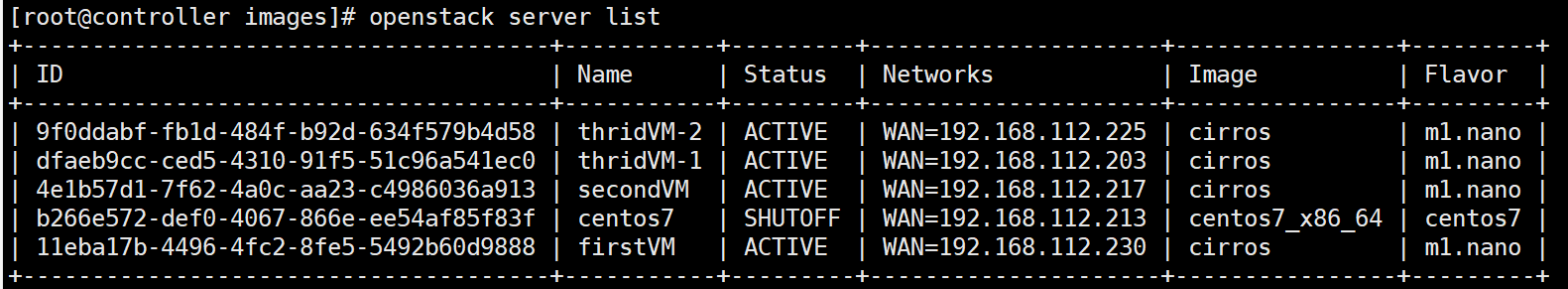
第三行的镜像大小是13M，对应的就是原有的cirros镜像；

但是，并没有发现有新的cirros镜像，说明secondVM实例并没有使用新的cirros镜像，只是在原有的cirros镜像的基础上写的数据。

## 3.img格式同时创建多个实例

openstack server create --image cirros --flavor m1.nano --max 2 thridVM



查看当前的server实例创建情况：  


可以看到，我们刚才创建的两个thridVM被设定为了thridVM-1和thridVM-2。

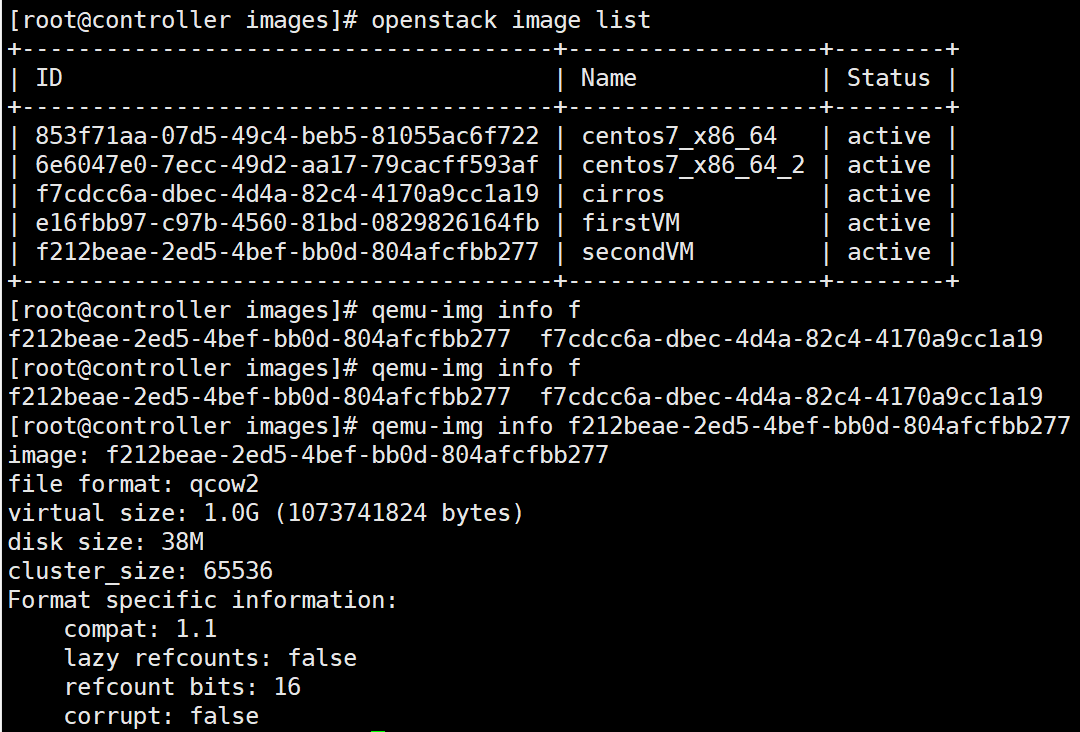
随意连接一个thridVM-1，可以看到/home/cirros目录中啥也没有，说明使用的就是原有的cirros镜像。

## 4.通过server实例创建新的镜像

通过firstVM实例创建新的镜像：

openstack server image create secondVM

查看当前的image镜像：

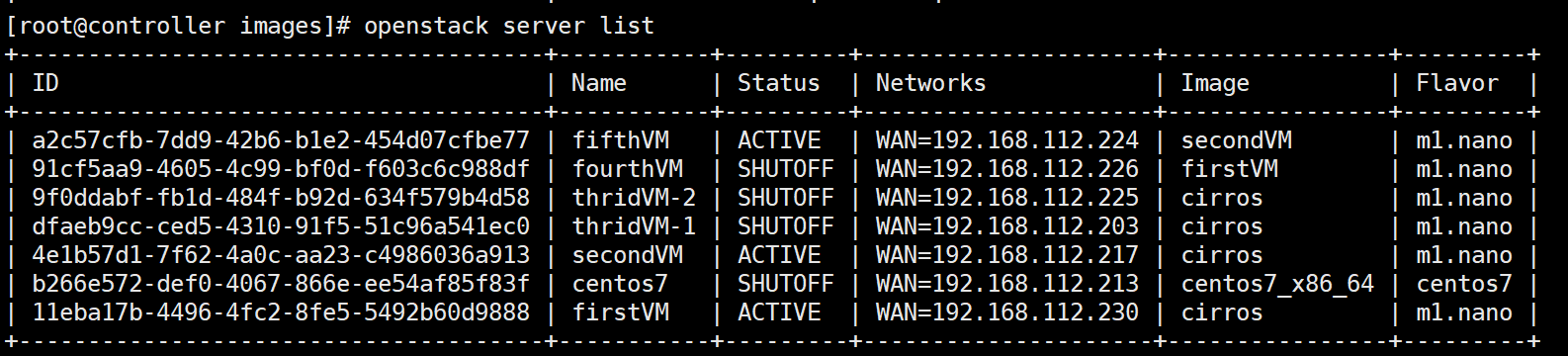


可以看到，增多了一个image镜像secondVM，

查看secondVM镜像的信息，虚拟大小为1G，磁盘大小为38M：

通过新的secondVM镜像创建新的实例

openstack server create --image secondVM --flavor m1.nano fifthVM



通过控制台连接刚刚创建的fifthVM



可以看到，通过secondVM镜像创建的实例中存在着之前我们创建的文件，说明使用的就是之前的secondVM的镜像。

## 4.通过日志分析一个server实例的创建过程

通过新的secondVM镜像创建新的实例

openstack server create --image secondVM --flavor m1.nano sixthVM

### （1）nova-api.log日志

#查找云主机类型

2021-09-19 11:50:55.437 2262 INFO nova.api.openstack.wsgi [req-372f0624-5ff4-474b-9cd6-99cec1adf712 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] HTTP exception thrown: 云主机类型 m1.nano 没有找到。

2021-09-19 11:50:55.454 2262 INFO nova.osapi\_compute.wsgi.server [req-372f0624-5ff4-474b-9cd6-99cec1adf712 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 "GET /v2.1/flavors/m1.nano HTTP/1.1" status: 404 len: 536 time: 0.2891090

2021-09-19 11:50:55.517 2262 INFO nova.osapi\_compute.wsgi.server [req-5f9765a4-96c8-4c07-b652-4b9ebbeac671 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 "GET /v2.1/flavors HTTP/1.1" status: 200 len: 965 time: 0.0569861

2021-09-19 11:50:55.543 2262 INFO nova.osapi\_compute.wsgi.server [req-0156ad73-aedb-4bd7-a12b-e645d9c2946c 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 "GET /v2.1/flavors/0 HTTP/1.1" status: 200 len: 762 time: 0.0169179

#post上传实例

2021-09-19 11:50:56.944 2262 INFO nova.osapi\_compute.wsgi.server [req-bfe681b0-e4e9-433f-bcee-06299256996a 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 "POST /v2.1/servers HTTP/1.1" status: 202 len: 876 time: 1.3900719

2021-09-19 11:50:57.021 2262 INFO nova.osapi\_compute.wsgi.server [req-399dc3ec-0c40-486a-8a45-fa20302847f7 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 "GET /v2.1/servers/ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485 HTTP/1.1" status: 200 len: 1687 time: 0.0738139

2021-09-19 11:50:57.065 2262 INFO nova.osapi\_compute.wsgi.server [req-dc65c6a4-78da-4d5c-b31e-c07dcd3d540c 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 "GET /v2.1/flavors/0 HTTP/1.1" status: 200 len: 762 time: 0.0199430

#为实例分配网络

2021-09-19 11:51:01.979 2261 INFO nova.api.openstack.compute.server\_external\_events [req-7eae9da5-5672-458a-803e-86402bdbdc5e 038fb453b1f84b81a67da5889666b6d1 6f0e8f4df35d4d27941e31d9125ae94e - default default] Creating event network-changed:ad89cab0-9650-4515-a1e1-92718610733a for instance ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485 on computer

2021-09-19 11:51:01.985 2261 INFO nova.osapi\_compute.wsgi.server [req-7eae9da5-5672-458a-803e-86402bdbdc5e 038fb453b1f84b81a67da5889666b6d1 6f0e8f4df35d4d27941e31d9125ae94e - default default] 192.168.112.146 "POST /v2.1/os-server-external-events HTTP/1.1" status: 200 len: 578 time: 0.2803221

2021-09-19 11:51:04.446 2262 INFO nova.api.openstack.compute.server\_external\_events [req-7721b38d-ee76-464c-8ba7-87ba81499a5c 038fb453b1f84b81a67da5889666b6d1 6f0e8f4df35d4d27941e31d9125ae94e - default default] Creating event network-vif-plugged:ad89cab0-9650-4515-a1e1-92718610733a for instance ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485 on computer

2021-09-19 11:51:04.466 2262 INFO nova.osapi\_compute.wsgi.server [req-7721b38d-ee76-464c-8ba7-87ba81499a5c 038fb453b1f84b81a67da5889666b6d1 6f0e8f4df35d4d27941e31d9125ae94e - default default] 192.168.112.146 "POST /v2.1/os-server-external-events HTTP/1.1" status: 200 len: 582 time: 0.4733829

### （2）nova-scheduler.log日志

2021-09-19 11:50:57.494 2416 WARNING nova.scheduler.filters.compute\_filter [req-bfe681b0-e4e9-433f-bcee-06299256996a 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] (localhost.localdomain, localhost.localdomain) ram: 3258MB disk: 32768MB io\_ops: 0 instances: 0 has not been heard from in a while

### （3）nova-conductor.log日志

无

### （4）nova-compute.log日志

Compute节点的日志：

#声明实例成功

2021-09-19 11:50:59.233 1672 INFO nova.compute.claims [req-bfe681b0-e4e9-433f-bcee-06299256996a 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] Claim successful on node computer

#创建镜像

2021-09-19 11:50:59.673 1672 INFO nova.virt.libvirt.driver [req-bfe681b0-e4e9-433f-bcee-06299256996a 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] Creating image

2021-09-19 11:50:59.675 1672 INFO oslo.privsep.daemon [req-bfe681b0-e4e9-433f-bcee-06299256996a 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] Running privsep helper: ['sudo', 'nova-rootwrap', '/etc/nova/rootwrap.conf', 'privsep-helper', '--config-file', '/usr/share/nova/nova-dist.conf', '--config-file', '/etc/nova/nova.conf', '--privsep\_context', 'nova.privsep.sys\_admin\_pctxt', '--privsep\_sock\_path', '/tmp/tmpRZWq5u/privsep.sock']

2021-09-19 11:51:00.594 1672 INFO oslo.privsep.daemon [req-bfe681b0-e4e9-433f-bcee-06299256996a 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] Spawned new privsep daemon via rootwrap

2021-09-19 11:51:00.512 3733 INFO oslo.privsep.daemon [-] privsep daemon starting

2021-09-19 11:51:00.518 3733 INFO oslo.privsep.daemon [-] privsep process running with uid/gid: 0/0

2021-09-19 11:51:00.520 3733 INFO oslo.privsep.daemon [-] privsep process running with capabilities (eff/prm/inh): CAP\_CHOWN|CAP\_DAC\_OVERRIDE|CAP\_DAC\_READ\_SEARCH|CAP\_FOWNER|CAP\_NET\_ADMIN|CAP\_SYS\_ADMIN/CAP\_CHOWN|CAP\_DAC\_OVERRIDE|CAP\_DAC\_READ\_SEARCH|CAP\_FOWNER|CAP\_NET\_ADMIN|CAP\_SYS\_ADMIN/none

#pid设定为3733

2021-09-19 11:51:00.521 3733 INFO oslo.privsep.daemon [-] privsep daemon running as pid 3733

#创建虚拟网络，连接到虚拟网桥上

2021-09-19 11:51:01.760 1672 INFO os\_vif [req-bfe681b0-e4e9-433f-bcee-06299256996a 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] Successfully plugged vif VIFBridge(active=False,address=fa:16:3e:1e:6a:71,bridge\_name='brq9d470a6f-3b',has\_traffic\_filtering=True,id=ad89cab0-9650-4515-a1e1-92718610733a,network=Network(9d470a6f-3b69-4105-b0eb-f6ef70a9dec3),plugin='linux\_bridge',port\_profile=<?>,preserve\_on\_delete=False,vif\_name='tapad89cab0-96')

2021-09-19 11:51:03.099 1672 INFO nova.compute.manager [-] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] VM 已开始 (Lifecycle Event)

2021-09-19 11:51:03.143 1672 INFO nova.compute.manager [req-1402b20e-0df2-495b-a778-2d42fcf4fa35 - - - - -] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] VM 已暂停 (Lifecycle Event)

2021-09-19 11:51:03.231 1672 INFO nova.compute.manager [req-1402b20e-0df2-495b-a778-2d42fcf4fa35 - - - - -] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] During sync\_power\_state the instance has a pending task (spawning). Skip.

2021-09-19 11:51:04.478 1672 INFO nova.compute.manager [req-1402b20e-0df2-495b-a778-2d42fcf4fa35 - - - - -] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] VM 已恢复 (Lifecycle Event)

#实例成功产出

2021-09-19 11:51:04.485 1672 INFO nova.virt.libvirt.driver [-] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] Instance spawned successfully.

#花了4.81s来产出实例在hypervisor中

2021-09-19 11:51:04.485 1672 INFO nova.compute.manager [req-bfe681b0-e4e9-433f-bcee-06299256996a 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] Took 4.81 seconds to spawn the instance on the hypervisor.

2021-09-19 11:51:04.597 1672 INFO nova.compute.manager [req-1402b20e-0df2-495b-a778-2d42fcf4fa35 - - - - -] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] During sync\_power\_state the instance has a pending task (spawning). Skip.

#花了6.45s成功创建一个实例

2021-09-19 11:51:04.614 1672 INFO nova.compute.manager [req-bfe681b0-e4e9-433f-bcee-06299256996a 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] [instance: ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485] Took 6.45 seconds to build instance.

### （5）glance的api.log日志

#获取secondVM镜像的信息

2021-09-19 11:50:55.089 2206 INFO eventlet.wsgi.server [req-105a4600-3c92-43cc-869c-70711f069bef 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 - - [19/Sep/2021 11:50:55] "GET /v2/images/secondVM HTTP/1.1" 404 442 0.909730

2021-09-19 11:50:55.125 2206 INFO eventlet.wsgi.server [req-88fa9d83-42d7-4f70-b7dd-dc9598cbbfea 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 - - [19/Sep/2021 11:50:55] "GET /v2/images?limit=20 HTTP/1.1" 200 4984 0.032838

2021-09-19 11:50:55.133 2206 INFO eventlet.wsgi.server [req-1bcbe233-44f5-46ef-909d-9743961a0ba4 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 - - [19/Sep/2021 11:50:55] "GET /v2/schemas/image HTTP/1.1" 200 6925 0.005036

2021-09-19 11:50:56.321 2206 WARNING keystonemiddleware.auth\_token [-] A valid token was submitted as a service token, but it was not a valid service token. This is incorrect but backwards compatible behaviour. This will be removed in future releases.

2021-09-19 11:50:56.338 2206 INFO eventlet.wsgi.server [req-8262a5a9-6e0f-4b55-9dba-43f991dbe406 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 - - [19/Sep/2021 11:50:56] "GET /v2/images/f212beae-2ed5-4bef-bb0d-804afcfbb277 HTTP/1.1" 200 1372 0.274619

2021-09-19 11:50:56.346 2206 INFO eventlet.wsgi.server [req-9ba31385-b2d4-4ed4-a5ee-29c83151ab66 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 - - [19/Sep/2021 11:50:56] "GET /v2/schemas/image HTTP/1.1" 200 6925 0.002850

2021-09-19 11:50:57.042 2206 INFO eventlet.wsgi.server [req-c4b39ff5-c0d4-4287-a4e8-1cc2135c26bb 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - default default] 192.168.112.146 - - [19/Sep/2021 11:50:57] "GET /v2/images/f212beae-2ed5-4bef-bb0d-804afcfbb277 HTTP/1.1" 200 1372 0.016544

### （6）keystone的keystone.log日志

2021-09-19 12:51:27.181 6500 WARNING keystone.common.rbac\_enforcer.enforcer [req-3426a6ab-bed8-4275-bc9d-c3063b91af85 984daa4030fe4b45831bde745c2679a2 6f0e8f4df35d4d27941e31d9125ae94e - default default] Deprecated policy rules found. Use oslopolicy-policy-generator and oslopolicy-policy-upgrade to detect and resolve deprecated policies in your configuration.

### （7）neutron的dhcp-agent.log日志

#分配了MAC地址，IP地址

2021-09-19 11:51:00.136 1052 INFO neutron.agent.dhcp.agent [-] Trigger reload\_allocations for port admin\_state\_up=True, allowed\_address\_pairs=[], binding:host\_id=, binding:profile=, binding:vif\_details=, binding:vif\_type=unbound, binding:vnic\_type=normal, created\_at=2021-09-19T03:50:59Z, description=, device\_id=ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485, device\_owner=, extra\_dhcp\_opts=[], fixed\_ips=[{u'subnet\_id': u'6702625f-2d76-4074-8c7c-6a87a6b82525', u'ip\_address': u'192.168.112.209'}], id=ad89cab0-9650-4515-a1e1-92718610733a, mac\_address=fa:16:3e:1e:6a:71, name=, network=admin\_state\_up=True, availability\_zone\_hints=[], availability\_zones=[u'nova'], created\_at=2021-09-08T16:39:27Z, description=, id=9d470a6f-3b69-4105-b0eb-f6ef70a9dec3, ipv4\_address\_scope=None, ipv6\_address\_scope=None, mtu=1500, name=WAN, port\_security\_enabled=True, project\_id=a7d812868cb74f1a978035530f55f1d0, provider:network\_type=flat, provider:physical\_network=provider, provider:segmentation\_id=None, revision\_number=2, router:external=False, shared=True, status=ACTIVE, subnets=[u'6702625f-2d76-4074-8c7c-6a87a6b82525'], tags=[], tenant\_id=a7d812868cb74f1a978035530f55f1d0, updated\_at=2021-09-08T17:27:57Z, vlan\_transparent=None, network\_id=9d470a6f-3b69-4105-b0eb-f6ef70a9dec3, port\_security\_enabled=True, project\_id=a7d812868cb74f1a978035530f55f1d0, revision\_number=1, security\_groups=[u'f71074ff-7cbe-45d9-abba-e62ead7daae7'], status=DOWN, tags=[], tenant\_id=a7d812868cb74f1a978035530f55f1d0, updated\_at=2021-09-19T03:50:59Z on network \_ns\_name=qdhcp-9d470a6f-3b69-4105-b0eb-f6ef70a9dec3, admin\_state\_up=True, availability\_zone\_hints=[], availability\_zones=[u'nova'], created\_at=2021-09-08T16:39:27Z, description=, id=9d470a6f-3b69-4105-b0eb-f6ef70a9dec3, ipv4\_address\_scope=None, ipv6\_address\_scope=None, mtu=1500, name=WAN, non\_local\_subnets=[], port\_security\_enabled=True, ports=[{u'status': u'BUILD', u'binding:host\_id': 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provider:segmentation\_id=None, revision\_number=2, router:external=False, shared=True, status=ACTIVE, subnets=[{u'description': u'', u'tags': [], u'updated\_at': u'2021-09-08T17:27:57Z', u'ipv6\_ra\_mode': None, u'allocation\_pools': [{u'start': u'192.168.112.200', u'end': u'192.168.112.230'}], u'host\_routes': [], u'revision\_number': 0, u'ipv6\_address\_mode': None, u'cidr': u'192.168.112.0/24', u'id': u'6702625f-2d76-4074-8c7c-6a87a6b82525', u'subnetpool\_id': None, u'service\_types': [], u'name': u'subnet-wan', u'enable\_dhcp': True, u'network\_id': u'9d470a6f-3b69-4105-b0eb-f6ef70a9dec3', u'tenant\_id': u'a7d812868cb74f1a978035530f55f1d0', u'created\_at': u'2021-09-08T17:27:57Z', u'dns\_nameservers': [u'223.5.5.5'], u'gateway\_ip': u'192.168.112.254', u'ip\_version': 4, u'shared': True, u'project\_id': u'a7d812868cb74f1a978035530f55f1d0'}], tags=[], tenant\_id=a7d812868cb74f1a978035530f55f1d0, updated\_at=2021-09-08T17:27:57Z, vlan\_transparent=None

#dhcp配置完成

2021-09-19 11:51:00.590 1052 INFO neutron.agent.dhcp.agent [req-3c66aab1-2bb0-4e03-962d-83386644b0b1 - - - - -] DHCP configuration for ports set([u'ad89cab0-9650-4515-a1e1-92718610733a']) is completed

2021-09-19 11:51:00.701 1052 INFO neutron.agent.dhcp.agent [-] Trigger reload\_allocations for port admin\_state\_up=True, allowed\_address\_pairs=[], binding:host\_id=computer, binding:profile=, binding:vif\_details=, binding:vif\_type=unbound, binding:vnic\_type=normal, created\_at=2021-09-19T03:50:59Z, description=, device\_id=ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485, device\_owner=compute:nova, extra\_dhcp\_opts=[], fixed\_ips=[{u'subnet\_id': u'6702625f-2d76-4074-8c7c-6a87a6b82525', u'ip\_address': u'192.168.112.209'}], id=ad89cab0-9650-4515-a1e1-92718610733a, mac\_address=fa:16:3e:1e:6a:71, name=, network\_id=9d470a6f-3b69-4105-b0eb-f6ef70a9dec3, port\_security\_enabled=True, project\_id=a7d812868cb74f1a978035530f55f1d0, revision\_number=2, security\_groups=[u'f71074ff-7cbe-45d9-abba-e62ead7daae7'], status=DOWN, tags=[], tenant\_id=a7d812868cb74f1a978035530f55f1d0, updated\_at=2021-09-19T03:51:00Z on network \_ns\_name=qdhcp-9d470a6f-3b69-4105-b0eb-f6ef70a9dec3, admin\_state\_up=True, availability\_zone\_hints=[], availability\_zones=[u'nova'], created\_at=2021-09-08T16:39:27Z, description=, id=9d470a6f-3b69-4105-b0eb-f6ef70a9dec3, ipv4\_address\_scope=None, ipv6\_address\_scope=None, mtu=1500, name=WAN, non\_local\_subnets=[], port\_security\_enabled=True, ports=[{u'status': u'BUILD', u'binding:host\_id': u'controller', u'description': u'', u'allowed\_address\_pairs': [], u'tags': [], u'extra\_dhcp\_opts': [], u'updated\_at': u'2021-09-19T03:32:15Z', u'device\_owner': u'network:dhcp', u'revision\_number': 15, u'binding:profile': {}, u'port\_security\_enabled': False, u'fixed\_ips': [{'subnet\_id': u'6702625f-2d76-4074-8c7c-6a87a6b82525', 'subnet': {u'description': u'', u'tags': [], u'updated\_at': u'2021-09-08T17:27:57Z', u'ipv6\_ra\_mode': None, u'allocation\_pools': [{u'start': u'192.168.112.200', u'end': u'192.168.112.230'}], u'host\_routes': [], u'revision\_number': 0, u'ipv6\_address\_mode': None, u'cidr': u'192.168.112.0/24', u'id': u'6702625f-2d76-4074-8c7c-6a87a6b82525', u'subnetpool\_id': None, u'service\_types': [], u'name': u'subnet-wan', u'enable\_dhcp': True, u'network\_id': u'9d470a6f-3b69-4105-b0eb-f6ef70a9dec3', u'tenant\_id': u'a7d812868cb74f1a978035530f55f1d0', u'created\_at': u'2021-09-08T17:27:57Z', u'dns\_nameservers': [u'223.5.5.5'], u'gateway\_ip': u'192.168.112.254', u'ip\_version': 4, u'shared': True, u'project\_id': u'a7d812868cb74f1a978035530f55f1d0'}, 'ip\_address': u'192.168.112.200'}], u'id': u'3c7aba5e-5ce8-49ea-9ad9-5baaf450facf', u'security\_groups': [], u'device\_id': u'dhcpd3377d3c-a0d1-5d71-9947-f17125c357bb-9d470a6f-3b69-4105-b0eb-f6ef70a9dec3', u'name': u'', u'admin\_state\_up': True, u'network\_id': u'9d470a6f-3b69-4105-b0eb-f6ef70a9dec3', u'tenant\_id': u'a7d812868cb74f1a978035530f55f1d0', u'binding:vif\_details': {u'connectivity': u'l2', u'port\_filter': True}, u'binding:vnic\_type': u'normal', u'binding:vif\_type': u'bridge', u'mac\_address': u'fa:16:3e:90:74:f8', 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u'fa:16:3e:b2:11:86', u'project\_id': u'a7d812868cb74f1a978035530f55f1d0', u'created\_at': u'2021-09-18T10:24:49Z'}, {u'status': u'ACTIVE', u'binding:host\_id': u'computer', u'description': u'', u'allowed\_address\_pairs': [], u'tags': [], u'extra\_dhcp\_opts': [], u'updated\_at': u'2021-09-18T14:22:46Z', u'device\_owner': u'compute:nova', u'revision\_number': 18, u'binding:profile': {}, u'port\_security\_enabled': True, u'fixed\_ips': [{u'subnet\_id': u'6702625f-2d76-4074-8c7c-6a87a6b82525', u'ip\_address': u'192.168.112.230'}], u'id': u'9d5a85c3-e486-4393-8e57-0bdc3cbde174', u'security\_groups': [u'f71074ff-7cbe-45d9-abba-e62ead7daae7'], u'device\_id': u'11eba17b-4496-4fc2-8fe5-5492b60d9888', u'name': u'', u'admin\_state\_up': True, u'network\_id': u'9d470a6f-3b69-4105-b0eb-f6ef70a9dec3', u'tenant\_id': u'a7d812868cb74f1a978035530f55f1d0', u'binding:vif\_details': {u'connectivity': u'l2', u'port\_filter': True}, u'binding:vnic\_type': u'normal', u'binding:vif\_type': u'bridge', 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2021-09-19 11:51:00.978 1052 INFO neutron.agent.dhcp.agent [-] Trigger reload\_allocations for port admin\_state\_up=True, allowed\_address\_pairs=[], binding:host\_id=computer, binding:profile=, binding:vif\_details=connectivity=l2, port\_filter=True, binding:vif\_type=bridge, binding:vnic\_type=normal, created\_at=2021-09-19T03:50:59Z, description=, device\_id=ac91ed2c-6c0e-4865-afcf-2b1b9fcb5485, device\_owner=compute:nova, extra\_dhcp\_opts=[], fixed\_ips=[{u'subnet\_id': u'6702625f-2d76-4074-8c7c-6a87a6b82525', u'ip\_address': u'192.168.112.209'}], id=ad89cab0-9650-4515-a1e1-92718610733a, mac\_address=fa:16:3e:1e:6a:71, name=, network\_id=9d470a6f-3b69-4105-b0eb-f6ef70a9dec3, port\_security\_enabled=True, project\_id=a7d812868cb74f1a978035530f55f1d0, revision\_number=3, security\_groups=[u'f71074ff-7cbe-45d9-abba-e62ead7daae7'], status=DOWN, tags=[], tenant\_id=a7d812868cb74f1a978035530f55f1d0, updated\_at=2021-09-19T03:51:00Z on network 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2021-09-19 11:51:01.017 1052 INFO neutron.agent.dhcp.agent [req-591257f7-457c-4850-b0a9-a0ad270d2b94 - - - - -] DHCP configuration for ports set([u'ad89cab0-9650-4515-a1e1-92718610733a']) is completed

2021-09-19 11:51:01.241 1052 INFO neutron.agent.dhcp.agent [req-f8994e62-35b3-4ee8-ae5d-49339fdb2a36 - - - - -] DHCP configuration for ports set([u'ad89cab0-9650-4515-a1e1-92718610733a']) is completed

### （8）neutron的linux-bridge.log日志

#安全组更新

2021-09-19 11:51:00.172 1094 INFO neutron.agent.securitygroups\_rpc [req-a0223b2e-e629-48e7-8653-ea321abfe4e9 9942eb4321644336a0c7383d9f1c2bed a7d812868cb74f1a978035530f55f1d0 - - -] Security group member updated [u'f71074ff-7cbe-45d9-abba-e62ead7daae7']