1.创建tenant openstackDemo

$ keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 tenant-create --name openstackDemo --description "Default Tenant"

+-------------+----------------------------------+

| Property | Value |

+-------------+----------------------------------+

| description | Default Tenant |

| enabled | True |

| id | ac0da7079c8d4bc2b95009175b21fa66 |

| name | openstackDemo |

+-------------+----------------------------------+

2.创建用户admin

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-create --tenant-id ac0da7079c8d4bc2b95009175b21fa66 --name admin --pass keystoneadmin

+----------+-------------------------------------------------------------------------------------------------------------------------+

| Property | Value |

+----------+-------------------------------------------------------------------------------------------------------------------------+

| email | |

| enabled | True |

| id | 264de00cea3348cda1b968f31b369e92 |

| name | admin |

| password | $6$rounds=40000$cjEp2NZMf67VgeML$qognuEx/idO5meuCN0VQZfD4t9skm9K25ymF8XWt.4UYaFteJZHQQCUpd6oLYswHdliTKNJT9NNysbT8ozTlm. |

| tenantId | ac0da7079c8d4bc2b95009175b21fa66 |

+----------+-------------------------------------------------------------------------------------------------------------------------+

3.创建role,admin和member

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 role-create --name admin

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 role-create --name Member

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 role-list

+----------------------------------+--------+

| id | name |

+----------------------------------+--------+

| 13253694d6704b19bbcbdc96877d9262 | Member |

| 25f36f99603c4c95888e71793365826e | admin |

+----------------------------------+--------+

4.在租户openStackDemo中，将角色admin赋予用户admin。user-role-add

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-role-add --user-id 264de00cea3348cda1b968f31b369e92 --tenant-id ac0da7079c8d4bc2b95009175b21fa66 --role-id 25f36f99603c4c95888e71793365826e

这个命令没有任何输出。

通过以上四步，keystone的基本使用方法明了了。

------------------------------------------------------分割线---------------------------------------------------------------------------------------------------------

现在为几个组建创建租户、用户、角色。

一、Glance

1.创建租户service

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 tenant-create --name service --description "Service Tenant"

+-------------+----------------------------------+

| Property | Value |

+-------------+----------------------------------+

| description | Service Tenant |

| enabled | True |

| id | a295e1962f124d2992beacbec452d9c4 |

| name | service |

+-------------+----------------------------------+

2.在租户service中创建用户glance

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-create --tenant-id a295e1962f124d2992beacbec452d9c4 --name glance --pass glance

+----------+-------------------------------------------------------------------------------------------------------------------------+

| Property | Value |

+----------+-------------------------------------------------------------------------------------------------------------------------+

| email | |

| enabled | True |

| id | b6edb3ec9e2e49d39f3a01d4f8981772 |

| name | glance |

| password | $6$rounds=40000$5lWn2BruhOqK/O.6$JBpB8DGl8IMEDjbdp9YEGid5r4I96g/qkimZ1zGjNkE8EJJZL7JQBV2A4tLRa/wDBAWXiTCl.RtO/G2RJJtUR. |

| tenantId | a295e1962f124d2992beacbec452d9c4 |

+----------+-------------------------------------------------------------------------------------------------------------------------+

3.在租户service中，将角色admin赋予用户glance。

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-role-add --user-id b6edb3ec9e2e49d39f3a01d4f8981772 --tenant-id a295e1962f124d2992beacbec452d9c4 --role-id 25f36f99603c4c95888e71793365826e

二、Nova

1.在租户service中创建用户nova

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-create --tenant-id a295e1962f124d2992beacbec452d9c4 --name nova --pass nova

+----------+-------------------------------------------------------------------------------------------------------------------------+

| Property | Value |

+----------+-------------------------------------------------------------------------------------------------------------------------+

| email | |

| enabled | True |

| id | d746324fe1aa436087e87e92b38ed2d8 |

| name | nova |

| password | $6$rounds=40000$.xbXsBlZ3cgkRJe6$j8d.p/6GstU3S5RCbSt5iEBIgXeK9QArjDiIyCW5.j/uZoB2hG3YbKspf0uSfV2UKvvhg/04WgOFGLorZiv7p0 |

| tenantId | a295e1962f124d2992beacbec452d9c4 |

+----------+-------------------------------------------------------------------------------------------------------------------------+

2.在租户service中，将角色admin赋予用户nova。

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-role-add --user-id d746324fe1aa436087e87e92b38ed2d8 --tenant-id a295e1962f124d2992beacbec452d9c4 --role-id 25f36f99603c4c95888e71793365826e

三、EC2 Service

1.在租户service中创建用户ec2

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-create --tenant-id a295e1962f124d2992beacbec452d9c4 --name ec2 --pass ec2

+----------+-------------------------------------------------------------------------------------------------------------------------+

| Property | Value |

+----------+-------------------------------------------------------------------------------------------------------------------------+

| email | |

| enabled | True |

| id | e88417ed8c394d73a52f7709a113bb9a |

| name | ec2 |

| password | $6$rounds=40000$ki7fxWVrFhEeQclE$BPelQcPtikG4x/yQg26QtnWA4Z1A.Bj7VwALxjMUotPf5syivhj7IgqCuIExZRsNniopKjfGSt.yXgCkIesWc/ |

| tenantId | a295e1962f124d2992beacbec452d9c4 |

+----------+-------------------------------------------------------------------------------------------------------------------------+

2.在租户service中，将角色admin赋予用户ec2

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-role-add --user-id e88417ed8c394d73a52f7709a113bb9a --tenant-id a295e1962f124d2992beacbec452d9c4 --role-id 25f36f99603c4c95888e71793365826e

四、Object Storage Service （swift）

1.在租户service中创建用户swift

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-create --tenant-id a295e1962f124d2992beacbec452d9c4 --name swift --pass swift

+----------+-------------------------------------------------------------------------------------------------------------------------+

| Property | Value |

+----------+-------------------------------------------------------------------------------------------------------------------------+

| email | |

| enabled | True |

| id | 3a8ccf71549f491b8eccc31b4b04d80e |

| name | swift |

| password | $6$rounds=40000$SthEV8h8scvp9hBJ$r6oCf8J1OGb39QymElLJr79XD6suL4jKimUHLrz8VWz3W2Wxl8EqCYmYZUBs8LigGUNGDrG.9mrhJQ86/AgKH1 |

| tenantId | a295e1962f124d2992beacbec452d9c4 |

+----------+-------------------------------------------------------------------------------------------------------------------------+

2.在租户service中，将角色admin赋予用户swift

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-role-add --user-id 3a8ccf71549f491b8eccc31b4b04d80e --tenant-id a295e1962f124d2992beacbec452d9c4 --role-id 25f36f99603c4c95888e71793365826e

查看用户：

keystone --token 558ec87e86aa43b11798 --endpoint http://10.10.4.47:35357/v2.0 user-list

+----------------------------------+--------+---------+-------+

| id | name | enabled | email |

+----------------------------------+--------+---------+-------+

| 264de00cea3348cda1b968f31b369e92 | admin | True | |

| 3a8ccf71549f491b8eccc31b4b04d80e | swift | True | |

| b6edb3ec9e2e49d39f3a01d4f8981772 | glance | True | |

| d746324fe1aa436087e87e92b38ed2d8 | nova | True | |

| e88417ed8c394d73a52f7709a113bb9a | ec2 | True | |

+----------------------------------+--------+---------+-------+

---------------------------------------------------分割线-------------------------------------------------------------

为了在命令中少两个参数：

export SERVICE\_ENDPOINT="http://localhost:35357/v2.0"

export SERVICE\_TOKEN=558ec87e86aa43b11798

为各组件配置服务

keystone service-create --name=keystone --type=identity --description="Keystone Identity Service"

keystone service-create --name=nova --type=compute --description="Nova Compute Service"

keystone service-create --name=volume --type=volume --description="Nova Volume Service"

keystone service-create --name=glance --type=image --description="Glance Image Service"

keystone service-create --name=ec2 --type=ec2 --description="EC2 Compatibility Layer"

keystone service-create --name=swift --type=object-store --description="Object Storage Service"

$ keystone service-list

+----------------------------------+----------+--------------+---------------------------+

| id | name | type | description |

+----------------------------------+----------+--------------+---------------------------+

| 0ef9d77e2ca44d2e94a58f98eaea46fc | keystone | identity | Keystone Identity Service |

| 1ab16c3a56314f81bf6d7ab4c96cf9ba | volume | volume | Nova Volume Service |

| 2e7c422762a24306879dc3459c8d4ac0 | ec2 | ec2 | EC2 Compatibility Layer |

| b0753c9823ec43bba5f44a431df108f4 | swift | object-store | Object Storage Service |

| ec5b17f444ed49a9b5f785eff16be656 | nova | compute | Nova Compute Service |

| f3e375536aac48fa8463660bbe91c12a | glance | image | Glance Image Service |

+----------------------------------+----------+--------------+---------------------------+

为各组件配置服务endpoint

1.keystone

keystone endpoint-create --region RegionOne --service-id=0ef9d77e2ca44d2e94a58f98eaea46fc \

--publicurl=http://10.10.4.47:5000/v2.0 \

--internalurl=http://192.168.1.2:5000/v2.0 \

--adminurl=http://10.10.4.47:35357/v2.0

2.nova

keystone endpoint-create \

--region RegionOne \

--service-id=ec5b17f444ed49a9b5f785eff16be656 \

--publicurl='http://10.10.4.47:8774/v2/%(tenant\_id)s' \

--internalurl='http://192.168.1.2:8774/v2/%(tenant\_id)s' \

--adminurl='http://10.10.4.47:8774/v2/%(tenant\_id)s'

3.volume

keystone endpoint-create \

--region RegionOne \

--service-id=1ab16c3a56314f81bf6d7ab4c96cf9ba \

--publicurl='http://10.10.4.47:8776/v1/%(tenant\_id)s' \

--internalurl='http://192.168.1.2:8776/v1/%(tenant\_id)s' \

--adminurl='http://10.10.4.47:8776/v1/%(tenant\_id)s'

4.glance

keystone endpoint-create \

--region RegionOne \

--service-id=f3e375536aac48fa8463660bbe91c12a \

--publicurl=http://10.10.4.47:9292/v1 \

--internalurl=http://192.168.1.2:9292/v1 \

--adminurl=http://10.10.4.47:9292/v1

5.ec2

keystone endpoint-create \

--region RegionOne \

--service-id=2e7c422762a24306879dc3459c8d4ac0 \

--publicurl=http://10.10.4.47:8773/services/Cloud \

--internalurl=http://192.168.1.2:8773/services/Cloud \

--adminurl=http://10.10.4.47:8773/services/Admin

6.swift

keystone endpoint-create \

--region RegionOne \

--service-id=b0753c9823ec43bba5f44a431df108f4 \

--publicurl 'http://10.10.4.47:8888/v1/AUTH\_%(tenant\_id)s' \

--adminurl 'http://10.10.4.47:8888/v1' \

--internalurl 'http://192.168.1.2:8888/v1/AUTH\_%(tenant\_id)s'

+----------------------------------+-----------+----------------------------------------------+-----------------------------------------------+-----------------------------------------+----------------------------------+

| id | region | publicurl | internalurl | adminurl | service\_id |

+----------------------------------+-----------+----------------------------------------------+-----------------------------------------------+-----------------------------------------+----------------------------------+

| 213af135dbf74933a24872b3a2d6c4b8 | RegionOne | http://10.10.4.47:8888/v1/AUTH\_%(tenant\_id)s | http://192.168.1.2:8888/v1/AUTH\_%(tenant\_id)s | http://10.10.4.47:8888/v1 | b0753c9823ec43bba5f44a431df108f4 |

| 2e80ec27f90d48648ae6326ca34eeba7 | RegionOne | http://10.10.4.47:8774/v2/%(tenant\_id)s | http://192.168.1.2:8774/v2/%(tenant\_id)s | http://10.10.4.47:8774/v2/%(tenant\_id)s | ec5b17f444ed49a9b5f785eff16be656 |

| 6a97f8e4d265421baa757ce262333bf2 | RegionOne | http://10.10.4.47:9292/v1 | http://192.168.1.2:9292/v1 | http://10.10.4.47:9292/v1 | f3e375536aac48fa8463660bbe91c12a |

| b4ab7b18688a461dbdb375ade57c7f22 | RegionOne | http://10.10.4.47:8776/v1/%(tenant\_id)s | http://192.168.1.2:8776/v1/%(tenant\_id)s | http://10.10.4.47:8776/v1/%(tenant\_id)s | 1ab16c3a56314f81bf6d7ab4c96cf9ba |

| bbd0e9146ccd4a3aa329c2379960efa7 | RegionOne | http://10.10.4.47:5000/v2.0 | http://192.168.1.2:5000/v2.0 | http://10.10.4.47:35357/v2.0 | 0ef9d77e2ca44d2e94a58f98eaea46fc |

| fadb5bb02f364e838781179b3909afc2 | RegionOne | http://10.10.4.47:8773/services/Cloud | http://192.168.1.2:8773/services/Cloud | http://10.10.4.47:8773/services/Admin | 2e7c422762a24306879dc3459c8d4ac0 |

+----------------------------------+-----------+----------------------------------------------+-----------------------------------------------+-----------------------------------------+----------------------------------+

验证

keystone --os-username=admin --os-password=keystoneadmin --os-auth-url=http://10.10.4.47:35357/v2.0 token-get

No handlers could be found for logger "keystoneclient.v2\_0.client"

+----------+----------------------------------+

| Property | Value |

+----------+----------------------------------+

| expires | 2013-03-02T01:25:40Z |

| id | 00d71cef161a467ebb3ef3646172906c |

| user\_id | 264de00cea3348cda1b968f31b369e92 |

+----------+----------------------------------+

keystone --os-username=admin --os-password=keystoneadmin --os-tenant-name=openstackDemo --os-auth-url=http://10.10.4.47:35357/v2.0 token-get

+-----------+----------------------------------+

| Property | Value |

+-----------+----------------------------------+

| expires | 2013-03-02T01:28:12Z |

| id | 16caeb836e75416d9ab2b09d38228022 |

| tenant\_id | ac0da7079c8d4bc2b95009175b21fa66 |

| user\_id | 264de00cea3348cda1b968f31b369e92 |

+-----------+----------------------------------+