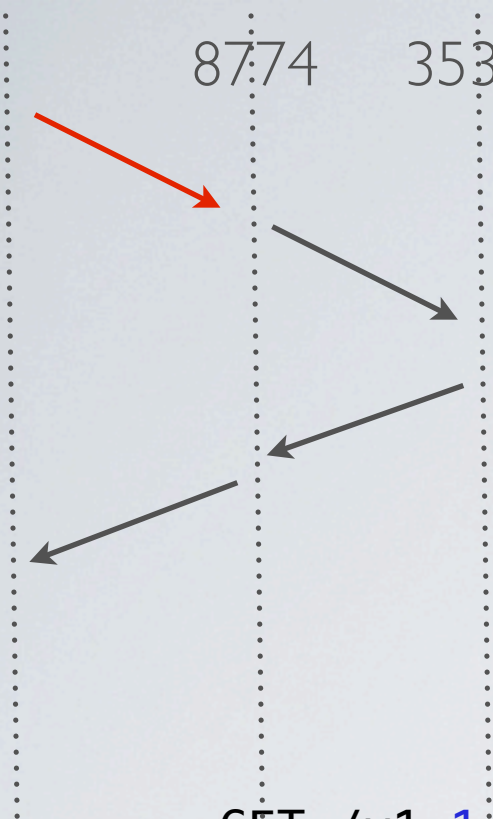


有人会用KEYSTONE不...

by can.

8774 35357

REQUEST

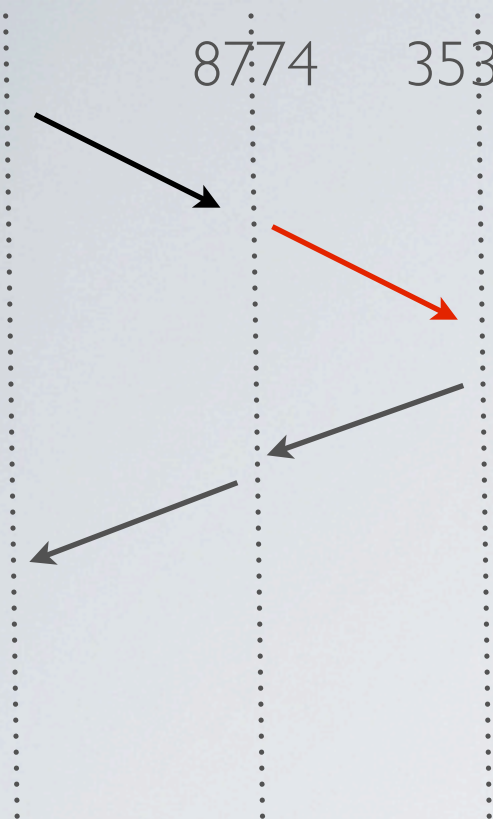


```
graph LR; A[8774] -- red arrow --> B[35357]; B -- black arrow --> C[ ]; C -- black arrow --> D[ ]; D -- black arrow --> E[ ]
```

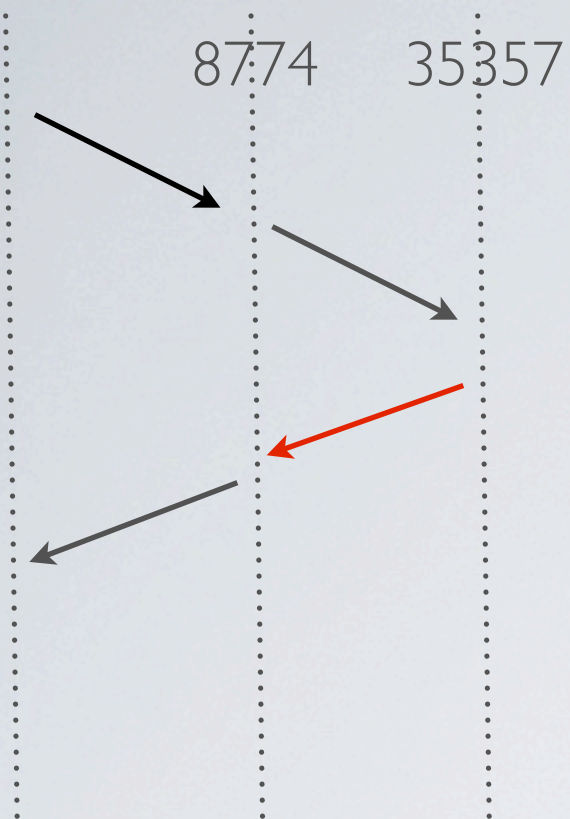
GET /v1.1/f58936ce6a0342eba56e331cb548a2ca/os-simple-tenant-usage?
start=2012-05-01T00:00:00&end=2012-05-14T10:00:53&detailed=1 HTTP/1.1
Host: localhost:8774
x-auth-project-id: f58936ce6a0342eba56e331cb548a2ca
x-auth-token: 410bac4e1a7b41afb18ff88db8215e40
accept-encoding: gzip, deflate
accept: application/json
user-agent: python-novaclient

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REQUEST



```
GET /v2.0/tokens/410bac4e1a7b41afb18ff88db8215e40 HTTP/1.1
Host: 127.0.0.1:35357
Accept-Encoding: identity
Content-type: application/json
Accept: application/json
X-Auth-Token: d43625c364a241418fde38dd54ce3af9
```

ACK

HTTP/1.1 200 OK
Content-Type: application/json
Vary: X-Auth-Token
Date: Mon, 14 May 2012 10:00:53 GMT
Transfer-Encoding: chunked

185

```
{"access": {"token": {"expires": "2012-05-15T10:00:53Z", "id":  
"410bac4e1a7b41afb18ff88db8215e40", "tenant": {"enabled": true, "description":  
null, "name": "demo", "id": "f58936ce6a0342eba56e331cb548a2ca"}}}, "user":  
{"username": "admin", "roles_links": [], "id":  
"3bf23b644ea64183aeef27a51878806a", "roles": [{"id":  
"74825711b4e845708f1dd4a0a5bc21a5", "name": "admin"}], "name": "admin"}}}
```

0

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ACK

HTTP/1.1 200 OK

X-Compute-Request-Id: req-c8474371-d1b7-4f93-9293-59d4cd4619a7

Content-Type: application/json

Content-Length: 1895

Date: Mon, 14 May 2012 10:00:53 GMT

```
{"tenant_usages": [{"total_memory_mb_usage": 366802.3466666667, "total_vcpus_usage": 716.4108333333334, "total_hours": 716.4108333333334, "tenant_id": "f3aade6ffed44fbca9c6d6b26d4bcaa1", "stop": "2012-05-14 10:00:53", "server_usages": [{"hours": 322.01472222222225, "uptime": 1498850, "local_gb": 20, "ended_at": null, "name": "test1", "tenant_id": "f3aade6ffed44fbca9c6d6b26d4bcaa1", "vcpus": 1, "memory_mb": 512, "state": "active", "flavor": "myflavor", "started_at": "2012-04-27 01:40:03"}, {"hours": 322.01472222222225, "uptime": 1498680, "local_gb": 20, "ended_at": null, "name": "test2", "tenant_id": "f3aade6ffed44fbca9c6d6b26d4bcaa1", "vcpus": 1, "memory_mb": 512, "state": "active", "flavor": "myflavor", "started_at": "2012-04-27 01:42:53"}, {"hours": 0.08111111111111111, "uptime": 292, "local_gb": 0, "ended_at": "2012-05-10 03:44:55", "name": "test3", "tenant_id": "f3aade6ffed44fbca9c6d6b26d4bcaa1", "vcpus": 1, "memory_mb": 512, "state": "terminated", "flavor": "m1.tiny", "started_at": "2012-05-10 03:40:03"}, {"hours": 0.11472222222222223, "uptime": 413, "local_gb": 0, "ended_at": "2012-05-11 09:30:35", "name": "test3", "tenant_id": "f3aade6ffed44fbca9c6d6b26d4bcaa1", "vcpus": 1, "memory_mb": 512, "state": "terminated", "flavor": "m1.tiny", "started_at": "2012-05-11 09:23:42"}, {"hours": 0.4030555555555556, "uptime": 1451, "local_gb": 0, "ended_at": "2012-05-11 10:12:31", "name": "test3", "tenant_id": "f3aade6ffed44fbca9c6d6b26d4bcaa1", "vcpus": 1, "memory_mb": 512, "state": "terminated", "flavor": "m1.tiny", "started_at": "2012-05-11 09:48:20"}, {"hours": 71.7825, "uptime": 258417, "local_gb": 0, "ended_at": null, "name": "test3", "tenant_id": "f3aade6ffed44fbca9c6d6b26d4bcaa1", "vcpus": 1, "memory_mb": 512, "state": "active", "flavor": "m1.tiny", "started_at": "2012-05-11 10:13:56"}]}, {"start": "2012-05-01 00:00:00", "total_local_gb_usage": 12880.58888888889}]]}
```


BUT...

```
curl -d '{"auth":{"passwordCredentials":{"username": "can", "password":  
"hehe"}}}' -H "Content-type: application/json" http://210.25.137.232:35357/  
v2.0/tokens
```

```
{"access": {"token": {"expires": "2012-05-15T12:31:26Z", "id":  
"b1adece9bde84ccc90a8e96a068c7ace"}, "serviceCatalog": {}, "user":  
{"username": "can", "roles_links": [], "id":  
"bb6d3a09ad0c4924bf20c1a32ccb5781", "roles": [], "name": "can"}}
```

```
curl -H "X-Auth-Token:b1adece9bde84ccc90a8e96a068c7ace" http://  
210.25.137.232:35357/v2.0/tokens/b1adece9bde84ccc90a8e96a068c7ace
```

```
{"error": {"message": "The request you have made requires  
authentication.", "code": 401, "title": "Not Authorized"}}
```

ref : http://keystone.openstack.org/api_curl_examples.html

QUESTION

- keystone是否是essex的默认服务
- project(aka. tenant)和user是个神马关系