Service Openstack Cloud de la DSI INRAE

Version 0.0.1

Lister les ressources du projet

⚠ Pour vous assurer de consulter la dernière version de la documentation et ainsi disposer des informations les plus récentes ainsi que pour un rendu optimal, privilégiez la version en ligne : https://documentation.cloud.inrae.fr/

Lister les ressources du projet

Lister les instances

```
$> openstack server list
+--------------------------------------+--------------+--------+-------------
-----------+-----------------+----------+
| ID                                   | Name         | Status | Networks
| Image            | Flavor    |
+--------------------------------------+--------------+--------+-------------
-----------+-----------------+----------+
| 9e87300a-3a93-438a-97b5-47d9b408242e | test-instance | ACTIVE | test-
network=10.0.0.66 | ubuntu-22.04-LTS | m1.small |
+--------------------------------------+--------------+--------+-------------
-----------+-----------------+----------+
```

Lister les gabarits

```
$> openstack flavor list
+--------------------------------------+--------------------+-------+------+-
----------+-------+-----------+
| ID                                   | Name               |   RAM | Disk |
Ephemeral | VCPUs | Is Public |
+--------------------------------------+--------------------+-------+------+-
----------+-------+-----------+
| 559b919d-4c06-4cf2-94b8-3425f9cb4e1f | m1.large           |  8192 |   80 |
0 |     4 | True      |
| 7466ef09-c949-4108-afd4-91adb8c76517 | m1.tiny            |   512 |    5 |
0 |     1 | True      |
| 8d13136c-2685-4c78-a770-e9672acbaad3 | m1.xlarge          | 16384 |  160 |
0 |     8 | True      |
| 991c5cce-6592-45e1-b36c-1e04f3734fba | m1.large-gpu-v100  |  8192 |   80 |
0 |     4 | True      |
| 992cab33-83aa-4cca-9bc1-07744eba1972 | m1.medium          |  4096 |   40 |
0 |     2 | True      |
| ac5dc55a-677b-4f53-9228-87d01a17b24f | m1.small           |  2048 |   20 |
0 |     1 | True      |
| b6105c2e-3862-41f5-82f2-ccb470fc2182 | m1.medium-gpu-v100 |  4096 |   40 |
0 |     2 | True      |
+--------------------------------------+--------------------+-------+------+-
----------+-------+-----------+
```

Lister les images

```
$> openstack image list
+--------------------------------------+------------------+--------+
| ID                                   | Name             | Status |
+--------------------------------------+------------------+--------+
| d6f1ad49-515d-4be7-8b20-232d336bc478 | ubuntu-22.04-LTS | active |
+--------------------------------------+------------------+--------+
```

Lister les paires de clefs

```
$> openstack keypair list
+--------------+-------------------------------------------------+------+
| Name         | Fingerprint                                     | Type |
+--------------+-------------------------------------------------+------+
| test-keypair | 74:37:bc:c7:85:42:79:cf:6c:fa:e9:28:1f:ab:06:1e | ssh  |
+--------------+-------------------------------------------------+------+
```

Lister les volumes

```
$> openstack volume list
+--------------------------------------+-------------+-----------+------+-----
--------+
| ID                                   | Name        | Status    | Size |
Attached to |
+--------------------------------------+-------------+-----------+------+-----
--------+
| a808c595-85d5-4c57-8582-a455b6e8e601 | test-volume | available |   20 |
|
+--------------------------------------+-------------+-----------+------+-----
--------+
```

Lister les types de volume

```
$> openstack volume type list
+--------------------------------------+--------------------------------------
-------+-----------+
| ID                                   | Name
| Is Public |
+--------------------------------------+--------------------------------------
-------+-----------+
| ae8ad6ed-efda-4e5e-b052-3f1613e2a6ad | encrypted-ceph-volumes-gold-rep-tls-
pprod   | True      |
| 5afa5ea0-ab6d-49ff-8c24-c4870307633d | encrypted-ceph-volumes-bronze-rep-
tls-pprod | True      |
| e5a56119-39d8-489b-bf6f-47c6c181345e | ceph-volumes-gold-rep-tls-pprod
| True      |
| 593d11f5-d34e-4a6f-8afc-1876a61168c2 | ceph-volumes-bronze-rep-tls-pprod
| True      |
+--------------------------------------+--------------------------------------
-------+-----------+
```

Lister les réseaux

```

```

```
$> openstack network list
+--------------------------------------+----------------------+------------
--------------------------+
| ID                                   | Name                 | Subnets
|
+--------------------------------------+----------------------+------------
--------------------------+
| 01ca696a-2ed8-4471-9d14-2d6525c24718 | external_priv        | 4a41106d-
9c6b-42e5-8337-6e3def3673bc |
| de49f2bc-8b68-4f2b-9312-a734746da691 | internal-network-priv | 1ca9caf3-
4879-4787-a9d4-2817bb9bd596 |
+--------------------------------------+----------------------+------------
--------------------------+
```

Lister les sous-réseaux

```
$> openstack subnet list
+--------------------------------------+----------------------+--------------
----------------------+---------------+
| ID                                   | Name                 | Network
| Subnet        |
+--------------------------------------+----------------------+--------------
----------------------+---------------+
| 1ca9caf3-4879-4787-a9d4-2817bb9bd596 | internal-subnet-priv | de49f2bc-8b68-
4f2b-9312-a734746da691 | 10.10.10.0/24 |
+--------------------------------------+----------------------+--------------
----------------------+---------------+
```

Lister les routeurs

```
$> openstack router list
+--------------------------------------+----------------------+--------+------
-+----------------------------------+
| ID                                   | Name                 | Status | State
| Project                          |
+--------------------------------------+----------------------+--------+------
-+----------------------------------+
| 994ca709-51c3-4703-af1a-8913acf52cc5 | router-external-priv | ACTIVE | UP
| 1eeec6c08e46429aa3e02e7acca8bdcd |
+--------------------------------------+----------------------+--------+------
-+----------------------------------+
```

Lister les IP flottantes

```

```

```
$> openstack floating ip list
+--------------------------------------+---------------------+------------------
+------+--------------------------------------+----------------------------------
-+
| ID                                   | Floating IP Address | Fixed IP Address
| Port | Floating Network                     | Project
|
+--------------------------------------+---------------------+------------------
+------+--------------------------------------+----------------------------------
-+
| 1c2fd48b-e9ce-4dde-ae2c-9cafb77a9cba | 10.131.49.210       | None
| None | 01ca696a-2ed8-4471-9d14-2d6525c24718 | 1eeec6c08e46429aa3e02e7acca8bdcd
|
+--------------------------------------+---------------------+------------------
+------+--------------------------------------+----------------------------------
-+
```

Lister les ports

```
1
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13
14
15
```

```
$> openstack port list
+--------------------------------------+--------------------------------------
-----+------------------+------------------------------------------------+------
--+
| ID                                   | Name
| MAC Address       | Fixed IP Addresses                                 | Status |
+--------------------------------------+--------------------------------------
-----+------------------+------------------------------------------------+------
--+
| 0a9d2abc-43fe-4604-b384-e9193b229645 |
| fa:16:3e:d8:35:5c | ip_address='10.10.10.2', subnet_id='1ca9caf3- | DOWN   |
|                                      |
|                   | 4879-4787-a9d4-2817bb9bd596'                   |        |
| 23c2c817-4c8b-4a35-bc38-550746a26632 | octavia-
| fa:16:3e:13:a0:13 | ip_address='10.10.10.190', subnet_id='1ca9caf | DOWN   |
|                                      | lb-1d5ba2b3-c1d5-45da-8a20-f511d67514f0
|                   | 3-4879-4787-a9d4-2817bb9bd596'                 |        |
| 46869c7b-22a3-498b-90f1-e5d54dc9576f |
| fa:16:3e:c8:17:3e | ip_address='10.10.10.192', subnet_id='1ca9caf | ACTIVE |
|                                      |
|                   | 3-4879-4787-a9d4-2817bb9bd596'                 |        |
| 5fd277d1-31c8-475c-aeaa-bee32058dc2e |
| fa:16:3e:60:30:5d | ip_address='10.10.10.1', subnet_id='1ca9caf3- | ACTIVE |
|                                      |
|                   | 4879-4787-a9d4-2817bb9bd596'                   |        |
| ed557e69-88f9-40e1-add0-6463500d0c49 | octavia-lb-
| fa:16:3e:a3:80:42 | ip_address='10.10.10.146', subnet_id='1ca9caf | ACTIVE |
|                                      | vrrp-d6a75417-7cb1-4e78-9dfd-
3d612926458f   |                  | 3-4879-4787-a9d4-2817bb9bd596'
|        |
+--------------------------------------+--------------------------------------
-----+------------------+------------------------------------------------+------
--+
```

Lister les groupes de sécurité

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```

```
$> openstack security group list
+--------------------------------------+------------+--------------------------
------------------------------------+----------------------------------+------+-
-------+
| ID                                   | Name       | Description
| Project                          | Tags | Shared |
+--------------------------------------+------------+--------------------------
------------------------------------+----------------------------------+------+-
-------+
| 7b2eb839-0eeb-4786-8c7e-de81a3551c5a | allow-icmp | Allow icmp on instances
for project 1420_test-jchabert        | 1eeec6c08e46429aa3e02e7acca8bdcd | []
| False  |
| 8b04b5dc-0155-481a-9ae1-9fec4d675644 | allow-ssh  | Allow ssh access on
instances for project 1420_test-jchabert  | 1eeec6c08e46429aa3e02e7acca8bdcd |
[]   | False  |
| a3eea01a-a501-418c-87e5-b0cfe744791c | default    | Default security group
| 1eeec6c08e46429aa3e02e7acca8bdcd | []   | False  |
| bd5fe16b-f5cd-45a6-a265-954205db8a58 | allow-http | Allow http access on
instances for project 1420_test-jchabert | 1eeec6c08e46429aa3e02e7acca8bdcd | []
| False  |
| fc527cf6-0ac8-429e-8b30-e24699b69e32 | allow-rdp  | Allow rdp access on
instances for project 1420_test-jchabert  | 1eeec6c08e46429aa3e02e7acca8bdcd |
[]   | False  |
+--------------------------------------+------------+--------------------------
------------------------------------+----------------------------------+------+-
-------+
```

Lister les groupes de serveurs

```
$> openstack server group list
+--------------------------------------+-------------------+---------------+
| ID                                   | Name              | Policy        |
+--------------------------------------+-------------------+---------------+
| 837fcbc9-066f-48c7-9673-582e28da82c7 | test-server-group | anti-affinity |
+--------------------------------------+-------------------+---------------+
```

Lister les ressources loadbalancer

Lister les loadbalancer

```
$> openstack loadbalancer list
+--------------------------------------+-------------------+------------------
---------------+--------------+---------------------+------------------+-----
-----+
| id                                   | name              | project_id
| vip_address  | provisioning_status | operating_status | provider |
+--------------------------------------+-------------------+------------------
---------------+--------------+---------------------+------------------+-----
-----+
| 1d5ba2b3-c1d5-45da-8a20-f511d67514f0 | test-loadbalancer |
1eeec6c08e46429aa3e02e7acca8bdcd | 10.10.10.190 | ACTIVE              | ONLINE
| amphora  |
+--------------------------------------+-------------------+------------------
---------------+--------------+---------------------+------------------+-----
-----+
```

Lister les gabarits pour les loadbalancer

```
openstack loadbalancer flavor list
+--------------------------------------+---------------+---------------------
-----------------+---------+
| id                                   | name          | flavor_profile_id
| enabled |
+--------------------------------------+---------------+---------------------
-----------------+---------+
| 2ffddef1-55f7-4f8c-8460-472ebfca0556 | amphora-4vcpus | 6b519d0f-f72c-4341-
99b1-db4a7847f43c | True    |
| 6f1c1b0a-6794-46d7-9f66-4dcbcf62a127 | amphora        | a279232f-5c33-485f-
b30a-4da423906499 | True    |
+--------------------------------------+---------------+---------------------
-----------------+---------+
```

Lister les healthmonitor des loadbalancer

```
openstack loadbalancer healthmonitor list
+--------------------------------------+----------------------------------+----
-------------------------------+------+----------------+
| id                                   | name                             |
project_id                       | type | admin_state_up |
+--------------------------------------+----------------------------------+----
-------------------------------+------+----------------+
| dcd314e0-6328-43f2-9e31-c9135d6a0cb4 | test-loadbalancer-healthmonitor |
1eeec6c08e46429aa3e02e7acca8bdcd | HTTP | True           |
+--------------------------------------+----------------------------------+----
-------------------------------+------+----------------+
```

Lister les pool des loadbalancer

```
$> openstack loadbalancer pool list
+--------------------------------------+-----------------------+-------------
---------------------+---------------------+----------+--------------+--------
--------+
| id                                   | name                  | project_id
| provisioning_status | protocol | lb_algorithm | admin_state_up |
+--------------------------------------+-----------------------+-------------
---------------------+---------------------+----------+--------------+--------
--------+
| 5d6adb42-541c-47d2-8d47-487152fe5498 | test-loadbalancer-pool |
1eeec6c08e46429aa3e02e7acca8bdcd | ACTIVE              | HTTP     |
ROUND_ROBIN  | True           |
+--------------------------------------+-----------------------+-------------
---------------------+---------------------+----------+--------------+--------
--------+
```

Lister les membres d'un pool d'un loadbalancer

```

```

```
$> openstack loadbalancer member list <pool>
+--------------------------------------+--------------+--------------------
--------------+---------------------+--------------+--------------+--------
----------+--------+
| id                                   | name         | project_id
| provisioning_status | address      | protocol_port | operating_status |
weight |
+--------------------------------------+--------------+--------------------
--------------+---------------------+--------------+--------------+--------
----------+--------+
| 7b58cc96-a388-4aff-997e-c3a5defb01d2 | test-instance |
1eeec6c08e46429aa3e02e7acca8bdcd | ACTIVE              | 10.10.10.192 |
80 | NO_MONITOR       |      1 |
+--------------------------------------+--------------+--------------------
--------------+---------------------+--------------+--------------+--------
----------+--------+
```

Lister les listener des loadbalancer

```
$> openstack loadbalancer listener list
+--------------------------------------+-----------------+--------------------
--------+--------------------------------------+----------+--------------+-------
---------+
| id                                   | default_pool_id | name
| project_id                           | protocol | protocol_port | admin_state_up
|
+--------------------------------------+-----------------+--------------------
--------+--------------------------------------+----------+--------------+-------
---------+
| 558bbb3a-9c2c-4079-88ac-8e0cb6150efe | None            | test-loadbalancer-
listener | 1eeec6c08e46429aa3e02e7acca8bdcd | HTTP     |           80 | True
|
+--------------------------------------+-----------------+--------------------
--------+--------------------------------------+----------+--------------+-------
---------+
```