
Octavia Python Client Documentation

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OpenStack Octavia Team

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GETTING STARTED

1.1 Project Overview

1.1.1 Team and repository tags



1.1.2 python-octaviaclient

Octavia client for OpenStack Load Balancing

This is an OpenStack Client (OSC) plugin for Octavia, an OpenStack Load Balancing project.

For more information about Octavia see: <https://docs.openstack.org/octavia/latest/>

For more information about the OpenStack Client see: <https://docs.openstack.org/python-openstackclient/latest/>

- Free software: Apache license
- Documentation: <https://docs.openstack.org/octavia/latest/>
- Source: <https://opendev.org/openstack/python-octaviaclient>
- Release notes: <https://docs.openstack.org/releases/notes/python-octaviaclient/>
- Bugs: <https://storyboard.openstack.org/#!/project/911>

1.1.3 Getting Started

Note: This is an OpenStack Client plugin. The `python-openstackclient` project should be installed to use this plugin.

Octavia client can be installed from PyPI using `pip`

```
pip install python-octaviaclient
```

If you want to make changes to the Octavia client for testing and contribution, make any changes and then run

```
python setup.py develop
```

or

```
pip install -e .
```

1.2 Installation

This is an OpenStack Client plugin for the load-balancer (Octavia) project.

Install the load-balancer (Octavia) plugin:

```
$ pip install python-octaviaclient
```

Or, if you have virtualenvwrapper installed:

```
$ mkvirtualenv python-octaviaclient
$ pip install python-octaviaclient
```

Note: If python-openstackclient is not already installed it will be installed as part of the requirements for the Octavia client plugin.

1.3 Contributing

If you would like to contribute to the development of OpenStack, you must follow the steps in this page:

<https://docs.openstack.org/infra/manual/developers.html>

If you already have a good understanding of how the system works and your OpenStack accounts are set up, you can skip to the development workflow section of this documentation to learn how changes to OpenStack should be submitted for review via the Gerrit tool:

<https://docs.openstack.org/infra/manual/developers.html#development-workflow>

Pull requests submitted through GitHub will be ignored.

Bugs should be filed on OpenStack Storyboard, not GitHub:

<https://storyboard.openstack.org/#!/project/911>

2.1 Using Octavia CLI extensions to OpenStack Client

List of released CLI commands available in openstack client. These commands can be referenced by doing `openstack help loadbalancer`.

2.1.1 loadbalancer

loadbalancer create

Create a load balancer

```
openstack loadbalancer create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--name <name>]
  [--description <description>]
  [--vip-address <vip_address>]
  [--vip-port-id <vip_port_id>]
  [--vip-subnet-id <vip_subnet_id>]
  [--vip-network-id <vip_network_id>]
  [--vip-qos-policy-id <vip_qos_policy_id>]
  [--project <project>]
  [--provider <provider>]
  [--availability-zone <availability_zone>]
  [--enable | --disable]
  [--flavor <flavor>]
  [--wait]
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- name** <name>
New load balancer name.
- description** <description>
Set load balancer description.
- vip-address** <vip_address>
Set the VIP IP Address.
- vip-port-id** <vip_port_id>
Set Port for the load balancer (name or ID).
- vip-subnet-id** <vip_subnet_id>
Set subnet for the load balancer (name or ID).
- vip-network-id** <vip_network_id>
Set network for the load balancer (name or ID).
- vip-qos-policy-id** <vip_qos_policy_id>
Set QoS policy ID for VIP port. Unset with 'None'.
- project** <project>
Project for the load balancer (name or ID).
- provider** <provider>
Provider name for the load balancer.
- availability-zone** <availability_zone>
Availability zone for the load balancer.
- enable**
Enable load balancer (default).
- disable**
Disable load balancer.
- flavor** <flavor>
The name or ID of the flavor for the load balancer.
- wait**
Wait for action to complete

This command is provided by the python-octaviaclient plugin.

loadbalancer delete

Delete a load balancer

```
openstack loadbalancer delete [--cascade] [--wait] <load_balancer>
```

--cascade

Cascade the delete to all child elements of the load balancer.

--wait

Wait for action to complete

load_balancer

Load balancers to delete (name or ID)

This command is provided by the python-octaviaclient plugin.

loadbalancer list

List load balancers

```
openstack loadbalancer list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--name <name>]
  [--enable | --disable]
  [--project <project-id>]
  [--vip-network-id <vip_network_id>]
  [--vip-subnet-id <vip_subnet_id>]
  [--vip-gos-policy-id <vip_gos_policy_id>]
  [--vip-port-id <vip_port_id>]
  [--provisioning-status {ACTIVE,DELETED,ERROR,PENDING_CREATE,PENDING_
↪UPDATE,PENDING_DELETE}]
  [--operating-status {ONLINE,DRAINING,OFFLINE,DEGRADED,ERROR,NO_MONITOR}
↪]
  [--provider <provider>]
  [--flavor <flavor>]
  [--availability-zone <availability_zone>]
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--quote <QUOTE_MODE>
when to include quotes, defaults to nonnumeric

--noindent
whether to disable indenting the JSON

- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- sort-column** SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated
- name** <name>
List load balancers according to their name.
- enable**
List enabled load balancers.
- disable**
List disabled load balancers.
- project** <project-id>
List load balancers according to their project (name or ID).
- vip-network-id** <vip_network_id>
List load balancers according to their VIP network (name or ID).
- vip-subnet-id** <vip_subnet_id>
List load balancers according to their VIP subnet (name or ID).
- vip-qos-policy-id** <vip_qos_policy_id>
List load balancers according to their VIP Qos policy (name or ID).
- vip-port-id** <vip_port_id>
List load balancers according to their VIP port (name or ID).
- provisioning-status** {ACTIVE, DELETED, ERROR, PENDING_CREATE, PENDING_UPDATE, PENDING_DELETE}
List load balancers according to their provisioning status.
- operating-status** {ONLINE, DRAINING, OFFLINE, DEGRADED, ERROR, NO_MONITOR}
List load balancers according to their operating status.
- provider** <provider>
List load balancers according to their provider.
- flavor** <flavor>
List load balancers according to their flavor.
- availability-zone** <availability_zone>
List load balancers according to their availability zone.

This command is provided by the python-octaviaclient plugin.

loadbalancer set

Update a load balancer

```
openstack loadbalancer set
  [--name <name>]
  [--description <description>]
  [--vip-qos-policy-id <vip_qos_policy_id>]
  [--enable | --disable]
  [--wait]
  <load_balancer>
```

--name <name>

Set load balancer name.

--description <description>

Set load balancer description.

--vip-qos-policy-id <vip_qos_policy_id>

Set QoS policy ID for VIP port. Unset with 'None'.

--enable

Enable load balancer.

--disable

Disable load balancer.

--wait

Wait for action to complete

load_balancer

Name or UUID of the load balancer to update.

This command is provided by the python-octaviaclient plugin.

loadbalancer unset

Clear load balancer settings

```
openstack loadbalancer unset
  [--name]
  [--description]
  [--vip-qos-policy-id]
  [--wait]
  <load_balancer>
```

--name

Clear the load balancer name.

--description

Clear the load balancer description.

--vip-qos-policy-id

Clear the load balancer QoS policy.

--wait

Wait for action to complete

load_balancer

Name or UUID of the load balancer to update.

This command is provided by the python-octaviaclient plugin.

loadbalancer show

Show the details for a single load balancer

```
openstack loadbalancer show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <load_balancer>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

load_balancer

Name or UUID of the load balancer.

This command is provided by the python-octaviaclient plugin.

loadbalancer stats show

Shows the current statistics for a load balancer

```

openstack loadbalancer stats show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <load_balancer>

```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

load_balancer
Name or UUID of the load balancer.

This command is provided by the python-octaviaclient plugin.

loadbalancer status show

Display load balancer status tree in json format

```

openstack loadbalancer status show <load_balancer>

```

load_balancer
Name or UUID of the load balancer.

This command is provided by the python-octaviaclient plugin.

loadbalancer failover

Trigger load balancer failover

```
openstack loadbalancer failover [--wait] <load_balancer>
```

--wait

Wait for action to complete

load_balancer

Name or UUID of the load balancer.

This command is provided by the python-octaviaclient plugin.

2.1.2 listener

loadbalancer listener create

Create a listener

```
openstack loadbalancer listener create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--name <name>]
  [--description <description>]
--protocol
{TCP,HTTP,HTTPS,TERMINATED_HTTPS,UDP,SCTP}
  [--connection-limit <limit>]
  [--default-pool <pool>]
  [--default-tls-container-ref <container_ref>]
  [--sni-container-refs [<container_ref> [<container_ref> ...]]]
  [--insert-headers <header=value,...>]
--protocol-port <port>
  [--timeout-client-data <timeout>]
  [--timeout-member-connect <timeout>]
  [--timeout-member-data <timeout>]
  [--timeout-tcp-inspect <timeout>]
  [--enable | --disable]
  [--client-ca-tls-container-ref <container_ref>]
  [--client-authentication {NONE,OPTIONAL,MANDATORY}]
  [--client-crl-container-ref <client_crl_container_ref>]
  [--allowed-cidr [<allowed_cidr>]]
  [--wait]
  [--tls-ciphers <tls_ciphers>]
  [--tls-version [<tls_versions>]]
  [--alpn-protocol [<alpn_protocols>]]
<loadbalancer>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

- c COLUMN, --column COLUMN**
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix <PREFIX>**
add a prefix to all variable names
- max-width <integer>**
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- name <name>**
Set the listener name.
- description <description>**
Set the description of this listener.
- protocol {TCP,HTTP,HTTPS,TERMINATED_HTTPS,UDP,SCTP}**
The protocol for the listener.
- connection-limit <limit>**
Set the maximum number of connections permitted for this listener.
- default-pool <pool>**
Set the name or ID of the pool used by the listener if no L7 policies match.
- default-tls-container-ref <container_ref>**
The URI to the key manager service secrets container containing the certificate and key for TERMINATED_TLS listeners.
- sni-container-refs <container_ref>**
A list of URIs to the key manager service secrets containers containing the certificates and keys for TERMINATED_TLS the listener using Server Name Indication.
- insert-headers <header=value,...>**
A dictionary of optional headers to insert into the request before it is sent to the backend member.
- protocol-port <port>**
Set the protocol port number for the listener.
- timeout-client-data <timeout>**
Frontend client inactivity timeout in milliseconds. Default: 50000.
- timeout-member-connect <timeout>**
Backend member connection timeout in milliseconds. Default: 5000.
- timeout-member-data <timeout>**
Backend member inactivity timeout in milliseconds. Default: 50000.
- timeout-tcp-inspect <timeout>**
Time, in milliseconds, to wait for additional TCP packets for content inspection. Default: 0.

- enable**
Enable listener (default).
- disable**
Disable listener.
- client-ca-tls-container-ref** <container_ref>
The URI to the key manager service secrets container containing the CA certificate for TERMINATED_TLS listeners.
- client-authentication** {NONE,OPTIONAL,MANDATORY}
The TLS client authentication verify options for TERMINATED_TLS listeners.
- client-crl-container-ref** <client_crl_container_ref>
The URI to the key manager service secrets container containing the CA revocation list file for TERMINATED_TLS listeners.
- allowed-cidr** <allowed_cidr>
CIDR to allow access to the listener (can be set multiple times).
- wait**
Wait for action to complete
- tls-ciphers** <tls_ciphers>
Set the TLS ciphers to be used by the listener in OpenSSL format.
- tls-version** <tls_versions>
Set the TLS protocol version to be used by the listener (can be set multiple times).
- alpn-protocol** <alpn_protocols>
Set the ALPN protocol to be used by the listener (can be set multiple times).
- loadbalancer**
Load balancer for the listener (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer listener delete

Delete a listener

```
openstack loadbalancer listener delete [--wait] <listener>
```

- wait**
Wait for action to complete

listener
Listener to delete (name or ID)

This command is provided by the python-octaviaclient plugin.

loadbalancer listener list

List listeners

```
openstack loadbalancer listener list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--name <name>]
  [--loadbalancer <loadbalancer>]
  [--enable | --disable]
  [--project <project>]
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--quote <QUOTE_MODE>
when to include quotes, defaults to nonnumeric

--noindent
whether to disable indenting the JSON

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--sort-column SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

--name <name>
List listeners by listener name.

--loadbalancer <loadbalancer>
Filter by load balancer (name or ID).

--enable
List enabled listeners.

--disable
List disabled listeners.

--project <project>
List listeners by project ID.

This command is provided by the python-octaviaclient plugin.

loadbalancer listener set

Update a listener

```
openstack loadbalancer listener set
  [--name <name>]
  [--description <description>]
  [--connection-limit <limit>]
  [--default-pool <pool>]
  [--default-tls-container-ref <container-ref>]
  [--sni-container-refs [<container-ref> [<container-ref> ...]]]
  [--insert-headers <header=value>]
  [--timeout-client-data <timeout>]
  [--timeout-member-connect <timeout>]
  [--timeout-member-data <timeout>]
  [--timeout-tcp-inspect <timeout>]
  [--enable | --disable]
  [--client-ca-tls-container-ref <container_ref>]
  [--client-authentication {NONE,OPTIONAL,MANDATORY}]
  [--client-crl-container-ref <client_crl_container_ref>]
  [--allowed-cidr [<allowed_cidr>]]
  [--wait]
  [--tls-ciphers <tls_ciphers>]
  [--tls-version [<tls_versions>]]
  [--alpn-protocol [<alpn_protocols>]]
  <listener>
```

--name <name>

Set the listener name.

--description <description>

Set the description of this listener.

--connection-limit <limit>

The maximum number of connections permitted for this listener. Default value is -1 which represents infinite connections.

--default-pool <pool>

The ID of the pool used by the listener if no L7 policies match.

--default-tls-container-ref <container-ref>

The URI to the key manager service secrets container containing the certificate and key for TERMINATED_TLS listeners.

--sni-container-refs <container-ref>

A list of URIs to the key manager service secrets containers containing the certificates and keys for TERMINATED_TLS the listener using Server Name Indication.

--insert-headers <header=value>

A dictionary of optional headers to insert into the request before it is sent to the backend member.

--timeout-client-data <timeout>

Frontend client inactivity timeout in milliseconds. Default: 50000.

--timeout-member-connect <timeout>

Backend member connection timeout in milliseconds. Default: 5000.

- timeout-member-data** <timeout>
Backend member inactivity timeout in milliseconds. Default: 50000.
- timeout-tcp-inspect** <timeout>
Time, in milliseconds, to wait for additional TCP packets for content inspection. Default: 0.
- enable**
Enable listener.
- disable**
Disable listener.
- client-ca-tls-container-ref** <container_ref>
The URI to the key manager service secrets container containing the CA certificate for TERMINATED_TLS listeners.
- client-authentication** {NONE, OPTIONAL, MANDATORY}
The TLS client authentication verify options for TERMINATED_TLS listeners.
- client-crl-container-ref** <client_crl_container_ref>
The URI to the key manager service secrets container containing the CA revocation list file for TERMINATED_TLS listeners.
- allowed-cidr** <allowed_cidr>
CIDR to allow access to the listener (can be set multiple times).
- wait**
Wait for action to complete
- tls-ciphers** <tls_ciphers>
Set the TLS ciphers to be used by the listener in OpenSSL format.
- tls-version** <tls_versions>
Set the TLS protocol version to be used by the listener (can be set multiple times).
- alpn-protocol** <alpn_protocols>
Set the ALPN protocol to be used by the listener (can be set multiple times).
- listener**
Listener to modify (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer listener show

Show the details of a single listener

```
openstack loadbalancer listener show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <listener>
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- listener**
Name or UUID of the listener

This command is provided by the python-octaviaclient plugin.

loadbalancer listener stats show

Shows the current statistics for a listener.

```
openstack loadbalancer listener stats show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <listener>
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width

Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty

Print empty table if there is no data to show.

listener

Name or UUID of the listener

This command is provided by the python-octaviaclient plugin.

loadbalancer listener unset

Clear listener settings

```
openstack loadbalancer listener unset
  [--name]
  [--description]
  [--connection-limit]
  [--default-pool]
  [--default-tls-container-ref]
  [--sni-container-refs]
  [--insert-headers]
  [--timeout-client-data]
  [--timeout-member-connect]
  [--timeout-member-data]
  [--timeout-tcp-inspect]
  [--client-ca-tls-container-ref]
  [--client-authentication]
  [--client-crl-container-ref]
  [--allowed-cidrs]
  [--tls-versions]
  [--tls-ciphers]
  [--wait]
  [--alpn-protocols]
  <listener>
```

--name

Clear the listener name.

--description

Clear the description of this listener.

--connection-limit

Reset the connection limit to the API default.

--default-pool

Clear the default pool from the listener.

--default-tls-container-ref

Remove the default TLS container reference from the listener.

--sni-container-refs

Remove the TLS SNI container references from the listener.

--insert-headers

Clear the insert headers from the listener.

- timeout-client-data**
Reset the client data timeout to the API default.
- timeout-member-connect**
Reset the member connect timeout to the API default.
- timeout-member-data**
Reset the member data timeout to the API default.
- timeout-tcp-inspect**
Reset the TCP inspection timeout to the API default.
- client-ca-tls-container-ref**
Clear the client CA TLS container reference from the listener.
- client-authentication**
Reset the client authentication setting to the API default.
- client-crl-container-ref**
Clear the client CRL container reference from the listener.
- allowed-cidrs**
Clear all allowed CIDRs from the listener.
- tls-versions**
Clear all TLS versions from the listener.
- tls-ciphers**
Clear all TLS ciphers from the listener.
- wait**
Wait for action to complete.
- alpn-protocols**
Clear all ALPN protocols from the listener.
- listener**
Listener to modify (name or ID).

This command is provided by the python-octaviaclient plugin.

2.1.3 pool

loadbalancer pool create

Create a pool

```

openstack loadbalancer pool create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--name <name>]
  [--description <description>]
  --protocol

```

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```

{TCP,HTTP,HTTPS,TERMINATED_HTTPS,PROXY,UDP,SCTP}
(--listener <listener> | --loadbalancer <load_balancer>)
[--session-persistence <session persistence>]
--lb-algorithm
{SOURCE_IP,ROUND_ROBIN,LEAST_CONNECTIONS,SOURCE_IP_PORT}
[--enable | --disable]
[--tls-container-ref <container-ref>]
[--ca-tls-container-ref <ca_tls_container_ref>]
[--crl-container-ref <crl_container_ref>]
[--enable-tls | --disable-tls]
[--wait]
[--tls-ciphers <tls_ciphers>]
[--tls-version [<tls_versions>]]

```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- name** <name>
Set pool name.
- description** <description>
Set pool description.
- protocol** {TCP,HTTP,HTTPS,TERMINATED_HTTPS,PROXY,UDP,SCTP}
Set the pool protocol.
- listener** <listener>
Listener to add the pool to (name or ID).
- loadbalancer** <load_balancer>
Load balancer to add the pool to (name or ID)
- session-persistence** <session persistence>
Set the session persistence for the listener (key=value).
- lb-algorithm** {SOURCE_IP,ROUND_ROBIN,LEAST_CONNECTIONS,SOURCE_IP_PORT}
Load balancing algorithm to use.

- enable**
Enable pool (default).
- disable**
Disable pool.
- tls-container-ref** <container-ref>
The reference to the key manager service secrets container containing the certificate and key for `tls_enabled` pools to re-encrypt the traffic to backend member servers.
- ca-tls-container-ref** <ca_tls_container_ref>
The reference to the key manager service secrets container containing the CA certificate for `tls_enabled` pools to check the backend member servers certificates
- crl-container-ref** <crl_container_ref>
The reference to the key manager service secrets container containing the CA revocation list file for `tls_enabled` pools to validate the backend member servers certificates.
- enable-tls**
Enable backend member re-encryption.
- disable-tls**
Disable backend member re-encryption.
- wait**
Wait for action to complete
- tls-ciphers** <tls_ciphers>
Set the TLS ciphers to be used by the pool in OpenSSL cipher string format.
- tls-version** <tls_versions>
Set the TLS protocol version to be used by the pool (can be set multiple times).

This command is provided by the python-octaviaclient plugin.

loadbalancer pool delete

Delete a pool

```
openstack loadbalancer pool delete [--wait] <pool>
```

- wait**
Wait for action to complete

pool
Pool to delete (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer pool list

List pools

```
openstack loadbalancer pool list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--loadbalancer <loadbalancer>]
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--quote <QUOTE_MODE>
when to include quotes, defaults to nonnumeric

--noindent
whether to disable indenting the JSON

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--sort-column SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

--loadbalancer <loadbalancer>
Filter by load balancer (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer pool set

Update a pool

```
openstack loadbalancer pool set
  [--name <name>]
  [--description <description>]
  [--session-persistence <session_persistence>]
  [--lb-algorithm {SOURCE_IP,ROUND_ROBIN,LEAST_CONNECTIONS,SOURCE_IP_
↵PORT}]
```

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```

[--enable | --disable]
[--tls-container-ref <container-ref>]
[--ca-tls-container-ref <ca_tls_container_ref>]
[--crl-container-ref <crl_container_ref>]
[--enable-tls | --disable-tls]
[--wait]
[--tls-ciphers <tls_ciphers>]
[--tls-version [<tls_versions>]]
<pool>

```

--name <name>

Set the name of the pool.

--description <description>

Set the description of the pool.

--session-persistence <session_persistence>

Set the session persistence for the listener (key=value).

--lb-algorithm {SOURCE_IP, ROUND_ROBIN, LEAST_CONNECTIONS, SOURCE_IP_PORT}

Set the load balancing algorithm to use.

--enable

Enable pool.

--disable

Disable pool.

--tls-container-ref <container-ref>

The URI to the key manager service secrets container containing the certificate and key for TERMINATED_TLS pools to re-encrypt the traffic from TERMINATED_TLS listener to backend servers.

--ca-tls-container-ref <ca_tls_container_ref>

The URI to the key manager service secrets container containing the CA certificate for TERMINATED_TLS listeners to check the backend servers certificates in ssl traffic.

--crl-container-ref <crl_container_ref>

The URI to the key manager service secrets container containing the CA revocation list file for TERMINATED_TLS listeners to valid the backend servers certificates in ssl traffic.

--enable-tls

Enable backend associated members re-encryption.

--disable-tls

disable backend associated members re-encryption.

--wait

Wait for action to complete

--tls-ciphers <tls_ciphers>

Set the TLS ciphers to be used by the pool in OpenSSL cipher string format.

--tls-version <tls_versions>

Set the TLS protocol version to be used by the pool (can be set multiple times).

pool

Pool to update (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer pool show

Show the details of a single pool

```
openstack loadbalancer pool show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <pool>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

pool
Name or UUID of the pool.

This command is provided by the python-octaviaclient plugin.

loadbalancer pool unset

Clear pool settings

```
openstack loadbalancer pool unset
  [--name]
  [--description]
  [--ca-tls-container-ref]
  [--crl-container-ref]
  [--session-persistence]
  [--tls-container-ref]
  [--tls-versions]
```

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```

[--tls-ciphers]
[--wait]
<pool>

```

--name

Clear the pool name.

--description

Clear the description of this pool.

--ca-tls-container-ref

Clear the certificate authority certificate reference on this pool.

--crl-container-ref

Clear the certificate revocation list reference on this pool.

--session-persistence

Disables session persistence on the pool.

--tls-container-ref

Clear the certificate reference for this pool.

--tls-versions

Clear all TLS versions from the pool.

--tls-ciphers

Clear all TLS ciphers from the pool.

--wait

Wait for action to complete

pool

Pool to modify (name or ID).

This command is provided by the python-octaviaclient plugin.

2.1.4 member

loadbalancer member create

Creating a member in a pool

```

openstack loadbalancer member create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--name <name>]
  [--disable-backup | --enable-backup]
  [--weight <weight>]
  --address <ip_address>
  [--subnet-id <subnet_id>]
  --protocol-port <protocol_port>

```

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```

[--monitor-port <monitor_port>]
[--monitor-address <monitor_address>]
[--enable | --disable]
[--wait]
<pool>

```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if **--max-width** greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- name** <name>
Name of the member.
- disable-backup**
Disable member backup (default)
- enable-backup**
Enable member backup
- weight** <weight>
The weight of a member determines the portion of requests or connections it services compared to the other members of the pool.
- address** <ip_address>
The IP address of the backend member server
- subnet-id** <subnet_id>
The subnet ID the member service is accessible from.
- protocol-port** <protocol_port>
The protocol port number the backend member server is listening on.
- monitor-port** <monitor_port>
An alternate protocol port used for health monitoring a backend member.
- monitor-address** <monitor_address>
An alternate IP address used for health monitoring a backend member.
- enable**
Enable member (default)

--disable

Disable member

--wait

Wait for action to complete

pool

ID or name of the pool to create the member for.

This command is provided by the python-octaviaclient plugin.

loadbalancer member delete

Delete a member from a pool

```
openstack loadbalancer member delete [--wait] <pool> <member>
```

--wait

Wait for action to complete

pool

Pool name or ID to delete the member from.

member

Name or ID of the member to be deleted.

This command is provided by the python-octaviaclient plugin.

loadbalancer member list

List members in a pool

```
openstack loadbalancer member list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  <pool>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--quote <QUOTE_MODE>
when to include quotes, defaults to nonnumeric

--noindent
whether to disable indenting the JSON

- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- sort-column** SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

pool

Pool name or ID to list the members of.

This command is provided by the python-octaviaclient plugin.

loadbalancer member set

Update a member

```

openstack loadbalancer member set
  [--name <name>]
  [--disable-backup | --enable-backup]
  [--weight <weight>]
  [--monitor-port <monitor_port>]
  [--monitor-address <monitor_address>]
  [--enable | --disable]
  [--wait]
  <pool>
  <member>
```

- name** <name>
Set the name of the member
- disable-backup**
Disable member backup (default)
- enable-backup**
Enable member backup
- weight** <weight>
Set the weight of member in the pool
- monitor-port** <monitor_port>
An alternate protocol port used for health monitoring a backend member
- monitor-address** <monitor_address>
An alternate IP address used for health monitoring a backend member.
- enable**
Set the admin_state_up to True
- disable**
Set the admin_state_up to False

--wait

Wait for action to complete

pool

Pool that the member to update belongs to (name or ID).

member

Name or ID of the member to update

This command is provided by the python-octaviaclient plugin.

loadbalancer member show

Shows details of a single Member

```
openstack loadbalancer member show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <pool>
  <member>
```

-f <FORMATTER>, **--format** <FORMATTER>

the output format, defaults to table

-c COLUMN, **--column** COLUMN

specify the column(s) to include, can be repeated to show multiple columns

--noindent

whether to disable indenting the JSON

--prefix <PREFIX>

add a prefix to all variable names

--max-width <integer>

Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width

Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty

Print empty table if there is no data to show.

pool

Pool name or ID to show the members of.

member

Name or ID of the member to show.

This command is provided by the python-octaviaclient plugin.

loadbalancer member unset

Clear member settings

```

openstack loadbalancer member unset
  [--backup]
  [--monitor-address]
  [--monitor-port]
  [--name]
  [--weight]
  [--wait]
  <pool>
  <member>

```

--backup

Clear the backup member flag.

--monitor-address

Clear the member monitor address.

--monitor-port

Clear the member monitor port.

--name

Clear the member name.

--weight

Reset the member weight to the API default.

--wait

Wait for action to complete

pool

Pool that the member to update belongs to (name or ID).

member

Member to modify (name or ID).

This command is provided by the python-octaviaclient plugin.

2.1.5 healthmonitor

loadbalancer healthmonitor create

Create a health monitor

```

openstack loadbalancer healthmonitor create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--name <name>]
  --delay <delay>

```

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```

[--domain-name <domain_name>]
[--expected-codes <codes>]
[--http-method {GET,POST,DELETE,PUT,HEAD,OPTIONS,PATCH,CONNECT,TRACE}]
[--http-version <http_version>]
--timeout <timeout>
--max-retries <max_retries>
[--url-path <url_path>]
--type
{PING,HTTP,TCP,HTTPS,TLS-HELLO,UDP-CONNECT,SCTP}
[--max-retries-down <max_retries_down>]
[--enable | --disable]
[--wait]
<pool>

```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if **--max-width** greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- name** <name>
Set the health monitor name.
- delay** <delay>
Set the time in seconds, between sending probes to members.
- domain-name** <domain_name>
Set the domain name, which be injected into the HTTP Host Header to the backend server for HTTP health check.
- expected-codes** <codes>
Set the list of HTTP status codes expected in response from the member to declare it healthy.
- http-method** {GET,POST,DELETE,PUT,HEAD,OPTIONS,PATCH,CONNECT,TRACE}
Set the HTTP method that the health monitor uses for requests.
- http-version** <http_version>
Set the HTTP version.
- timeout** <timeout>
Set the maximum time, in seconds, that a monitor waits to connect before it times out. This value

must be less than the delay value.

--max-retries <max_retries>

The number of successful checks before changing the operating status of the member to ONLINE.

--url-path <url_path>

Set the HTTP URL path of the request sent by the monitor to test the health of a backend member.

--type {PING,HTTP,TCP,HTTPS,TLS-HELLO,UDP-CONNECT,SCTP}

Set the health monitor type.

--max-retries-down <max_retries_down>

Set the number of allowed check failures before changing the operating status of the member to ERROR.

--enable

Enable health monitor (default).

--disable

Disable health monitor.

--wait

Wait for action to complete

pool

Set the pool for the health monitor (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer healthmonitor delete

Delete a health monitor

```
openstack loadbalancer healthmonitor delete [--wait] <health_monitor>
```

--wait

Wait for action to complete

health_monitor

Health monitor to delete (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer healthmonitor list

List health monitors

```
openstack loadbalancer healthmonitor list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- quote** <QUOTE_MODE>
when to include quotes, defaults to nonnumeric
- noindent**
whether to disable indenting the JSON
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- sort-column** SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

This command is provided by the python-octaviaclient plugin.

loadbalancer healthmonitor set

Update a health monitor

```
openstack loadbalancer healthmonitor set
  [--name <name>]
  [--delay <delay>]
  [--domain-name <domain_name>]
  [--expected-codes <codes>]
  [--http-method {GET,POST,DELETE,PUT,HEAD,OPTIONS,PATCH,CONNECT,TRACE}]
  [--http-version <http_version>]
  [--timeout <timeout>]
  [--max-retries <max_retries>]
  [--max-retries-down <max_retries_down>]
  [--url-path <url_path>]
  [--enable | --disable]
  [--wait]
  <health_monitor>
```

- name** <name>
Set health monitor name.
- delay** <delay>
Set the time in seconds, between sending probes to members.
- domain-name** <domain_name>
Set the domain name, which be injected into the HTTP Host Header to the backend server for HTTP health check.

- expected-codes** <codes>
Set the list of HTTP status codes expected in response from the member to declare it healthy.
- http-method** {GET, POST, DELETE, PUT, HEAD, OPTIONS, PATCH, CONNECT, TRACE}
Set the HTTP method that the health monitor uses for requests.
- http-version** <http_version>
Set the HTTP version.
- timeout** <timeout>
Set the maximum time, in seconds, that a monitor waits to connect before it times out. This value must be less than the delay value.
- max-retries** <max_retries>
Set the number of successful checks before changing the operating status of the member to ONLINE.
- max-retries-down** <max_retries_down>
Set the number of allowed check failures before changing the operating status of the member to ERROR.
- url-path** <url_path>
Set the HTTP URL path of the request sent by the monitor to test the health of a backend member.
- enable**
Enable health monitor.
- disable**
Disable health monitor.
- wait**
Wait for action to complete
- health_monitor**
Health monitor to update (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer healthmonitor show

Show the details of a single health monitor

```

openstack loadbalancer healthmonitor show
  [-f {json, shell, table, value, yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <health_monitor>

```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- health_monitor**
Name or UUID of the health monitor.

This command is provided by the python-octaviaclient plugin.

loadbalancer healthmonitor unset

Clear health monitor settings

```
openstack loadbalancer healthmonitor unset
  [--domain-name]
  [--expected-codes]
  [--http-method]
  [--http-version]
  [--max-retries-down]
  [--name]
  [--url-path]
  [--wait]
  <health_monitor>
```

- domain-name**
Clear the health monitor domain name.
- expected-codes**
Reset the health monitor expected codes to the API default.
- http-method**
Reset the health monitor HTTP method to the API default.
- http-version**
Reset the health monitor HTTP version to the API default.
- max-retries-down**
Reset the health monitor max retries down to the API default.
- name**
Clear the health monitor name.
- url-path**
Clear the health monitor URL path.

--wait

Wait for action to complete

health_monitor

Health monitor to update (name or ID).

This command is provided by the python-octaviaclient plugin.

2.1.6 l7policy

loadbalancer l7policy create

Create a l7policy

```
openstack loadbalancer l7policy create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--name <name>]
  [--description <description>]
  --action
  {REDIRECT_TO_URL,REDIRECT_TO_POOL,REDIRECT_PREFIX,REJECT}
  [--redirect-pool <pool> | --redirect-url <url> | --redirect-prefix
  →<url>]
  [--redirect-http-code <redirect_http_code>]
  [--position <position>]
  [--enable | --disable]
  [--wait]
  <listener>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--name <name>
Set the l7policy name.

--description <description>
Set l7policy description.

--action {REDIRECT_TO_URL, REDIRECT_TO_POOL, REDIRECT_PREFIX, REJECT}
Set the action of the policy.

--redirect-pool <pool>
Set the pool to redirect requests to (name or ID).

--redirect-url <url>
Set the URL to redirect requests to.

--redirect-prefix <url>
Set the URL Prefix to redirect requests to.

--redirect-http-code <redirect_http_code>
Set the HTTP response code for REDIRECT_URL or REDIRECT_PREFIX action.

--position <position>
Sequence number of this L7 Policy.

--enable
Enable l7policy (default).

--disable
Disable l7policy.

--wait
Wait for action to complete

listener
Listener to add l7policy to (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer l7policy delete

Delete a l7policy

```
openstack loadbalancer l7policy delete [--wait] <policy>
```

--wait
Wait for action to complete

policy
l7policy to delete (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer l7policy list

List l7policies

```

openstack loadbalancer l7policy list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--listener LISTENER]

```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--quote <QUOTE_MODE>
when to include quotes, defaults to nonnumeric

--noindent
whether to disable indenting the JSON

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--sort-column SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

--listener <LISTENER>
List l7policies that applied to the given listener (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer l7policy set

Update a l7policy

```

openstack loadbalancer l7policy set
  [--name <name>]
  [--description <description>]
  [--action {REDIRECT_TO_URL,REDIRECT_TO_POOL,REDIRECT_PREFIX,REJECT}]
  [--redirect-pool <pool> | --redirect-url <url> | --redirect-prefix
  ↪<url>]

```

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```

[--redirect-http-code <redirect_http_code>]
[--position <position>]
[--enable | --disable]
[--wait]
<policy>

```

--name <name>
Set l7policy name.

--description <description>
Set l7policy description.

--action {REDIRECT_TO_URL, REDIRECT_TO_POOL, REDIRECT_PREFIX, REJECT}
Set the action of the policy.

--redirect-pool <pool>
Set the pool to redirect requests to (name or ID).

--redirect-url <url>
Set the URL to redirect requests to.

--redirect-prefix <url>
Set the URL Prefix to redirect requests to.

--redirect-http-code <redirect_http_code>
Set the HTTP response code for REDIRECT_URL or REDIRECT_PREFIX action.

--position <position>
Set sequence number of this L7 Policy.

--enable
Enable l7policy.

--disable
Disable l7policy.

--wait
Wait for action to complete

policy
L7policy to update (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer l7policy show

Show the details of a single l7policy

```

openstack loadbalancer l7policy show
[-f {json, shell, table, value, yaml}]
[-c COLUMN]
[--noindent]
[--prefix PREFIX]
[--max-width <integer>]
[--fit-width]
[--print-empty]
<policy>

```


- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- policy**
Name or UUID of the l7policy.

This command is provided by the python-octaviaclient plugin.

loadbalancer l7policy unset

Clear l7policy settings

```
openstack loadbalancer l7policy unset
  [--description]
  [--name]
  [--redirect-http-code]
  [--wait]
  <policy>
```

- description**
Clear the l7policy description.
- name**
Clear the l7policy name.
- redirect-http-code**
Clear the l7policy redirect HTTP code.
- wait**
Wait for action to complete
- policy**
L7policy to update (name or ID).

This command is provided by the python-octaviaclient plugin.

2.1.7 l7rule

loadbalancer l7rule create

Create a l7rule

```

openstack loadbalancer l7rule create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  --compare-type
  {REGEX,EQUAL_TO,CONTAINS,ENDS_WITH,STARTS_WITH}
  [--invert]
  --value <value>
  [--key <key>]
  --type
  {FILE_TYPE,PATH,COOKIE,HOST_NAME,HEADER,SSL_CONN_HAS_CERT,SSL_VERIFY_
  →RESULT,SSL_DN_FIELD}
  [--enable | --disable]
  [--wait]
  <l7policy>

```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--compare-type {REGEX,EQUAL_TO,CONTAINS,ENDS_WITH,STARTS_WITH}
Set the compare type for the l7rule.

--invert
Invert l7rule.

--value <value>
Set the rule value to match on.

--key <key>

Set the key for the l7rule's value to match on.

--type {FILE_TYPE, PATH, COOKIE, HOST_NAME, HEADER, SSL_CONN_HAS_CERT, SSL_VERIFY_RESU

Set the type for the l7rule.

--enable

Enable l7rule (default).

--disable

Disable l7rule.

--wait

Wait for action to complete

l7policy

l7policy to add l7rule to (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer l7rule delete

Delete a l7rule

```
openstack loadbalancer l7rule delete [--wait] <l7policy> <rule_id>
```

--wait

Wait for action to complete

l7policy

l7policy to delete rule from (name or ID).

rule_id

l7rule to delete.

This command is provided by the python-octaviaclient plugin.

loadbalancer l7rule list

List l7rules for l7policy

```
openstack loadbalancer l7rule list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  <l7policy>
```

-f <FORMATTER>, **--format** <FORMATTER>

the output format, defaults to table

-c COLUMN, **--column** COLUMN

specify the column(s) to include, can be repeated to show multiple columns

- quote** <QUOTE_MODE>
when to include quotes, defaults to nonnumeric
- noindent**
whether to disable indenting the JSON
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- sort-column** SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated
- l7policy**
l7policy to list rules for (name or ID).

This command is provided by the python-octaviaclient plugin.

loadbalancer l7rule set

Update a l7rule

```
openstack loadbalancer l7rule set
  [--compare-type {REGEX,EQUAL_TO,CONTAINS,ENDS_WITH,STARTS_WITH}]
  [--invert]
  [--value <value>]
  [--key <key>]
  [--type {FILE_TYPE,PATH,COOKIE,HOST_NAME,HEADER,SSL_CONN_HAS_CERT,SSL_
  ↪VERIFY_RESULT,SSL_DN_FIELD}]
  [--enable | --disable]
  [--wait]
  <l7policy>
  <l7rule_id>
```

- compare-type** {REGEX,EQUAL_TO,CONTAINS,ENDS_WITH,STARTS_WITH}
Set the compare type for the l7rule.
- invert**
Invert l7rule.
- value** <value>
Set the rule value to match on.
- key** <key>
Set the key for the l7rule's value to match on.
- type** {FILE_TYPE,PATH,COOKIE,HOST_NAME,HEADER,SSL_CONN_HAS_CERT,SSL_VERIFY_RESU
Set the type for the l7rule.

--enable
Enable l7rule.

--disable
Disable l7rule.

--wait
Wait for action to complete

l7policy
L7policy to update l7rule on (name or ID).

l7rule_id
l7rule to update.

This command is provided by the python-octaviaclient plugin.

loadbalancer l7rule show

Show the details of a single l7rule

```
openstack loadbalancer l7rule show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <l7policy>
  <l7rule_id>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

l7policy
l7policy to show rule from (name or ID).

l7rule_id

l7rule to show.

This command is provided by the python-octaviaclient plugin.

loadbalancer l7rule unset

Clear l7rule settings

```
openstack loadbalancer l7rule unset
  [--invert]
  [--key]
  [--wait]
  <l7policy>
  <l7rule_id>
```

--invert

Reset the l7rule invert to the API default.

--key

Clear the l7rule key.

--wait

Wait for action to complete

l7policy

L7policy to update (name or ID).

l7rule_id

l7rule to update.

This command is provided by the python-octaviaclient plugin.

2.1.8 quota**loadbalancer quota defaults show**

Show quota defaults

```
openstack loadbalancer quota defaults show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
```

-f <FORMATTER>, **--format** <FORMATTER>

the output format, defaults to table

-c COLUMN, **--column** COLUMN

specify the column(s) to include, can be repeated to show multiple columns

--noindent

whether to disable indenting the JSON

- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.

This command is provided by the python-octaviaclient plugin.

loadbalancer quota list

List quotas

```

openstack loadbalancer quota list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--project <project-id>]

```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- quote** <QUOTE_MODE>
when to include quotes, defaults to nonnumeric
- noindent**
whether to disable indenting the JSON
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- sort-column** SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

--project <project-id>
Name or UUID of the project.

This command is provided by the python-octaviaclient plugin.

loadbalancer quota reset

Resets quotas to default quotas

```
openstack loadbalancer quota reset <project>
```

project
Project to reset quotas (name or ID)

This command is provided by the python-octaviaclient plugin.

loadbalancer quota set

Update a quota

```
openstack loadbalancer quota set
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--healthmonitor <health_monitor>]
  [--listener <listener>]
  [--loadbalancer <load_balancer>]
  [--member <member>]
  [--pool <pool>]
  [--l7policy <l7policy>]
  [--l7rule <l7rule>]
  <project>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

- print-empty**
Print empty table if there is no data to show.
- healthmonitor** <health_monitor>
New value for the health monitor quota. Value -1 means unlimited.
- listener** <listener>
New value for the listener quota. Value -1 means unlimited.
- loadbalancer** <load_balancer>
New value for the load balancer quota limit. Value -1 means unlimited.
- member** <member>
New value for the member quota limit. Value -1 means unlimited.
- pool** <pool>
New value for the pool quota limit. Value -1 means unlimited.
- l7policy** <l7policy>
New value for the l7policy quota limit. Value -1 means unlimited.
- l7rule** <l7rule>
New value for the l7rule quota limit. Value -1 means unlimited.
- project**
Name or UUID of the project.

This command is provided by the python-octaviaclient plugin.

loadbalancer quota show

Show the quota details for a project

```
openstack loadbalancer quota show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <project>
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width

Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty

Print empty table if there is no data to show.

project

Name or UUID of the project.

This command is provided by the python-octaviaclient plugin.

loadbalancer quota unset

Clear quota settings

```
openstack loadbalancer quota unset
  [--loadbalancer]
  [--listener]
  [--pool]
  [--member]
  [--healthmonitor]
  [--l7policy]
  [--l7rule]
  <project>
```

--loadbalancer

Reset the load balancer quota to the default.

--listener

Reset the listener quota to the default.

--pool

Reset the pool quota to the default.

--member

Reset the member quota to the default.

--healthmonitor

Reset the health monitor quota to the default.

--l7policy

Reset the l7policy quota to the default.

--l7rule

Reset the l7rule quota to the default.

project

Name or UUID of the project.

This command is provided by the python-octaviaclient plugin.

2.1.9 amphora

loadbalancer amphora configure

Update the amphora agent configuration

```
openstack loadbalancer amphora configure [--wait] <amphora-id>
```

--wait

Wait for action to complete

amphora-id

UUID of the amphora to configure.

This command is provided by the python-octaviaclient plugin.

loadbalancer amphora delete

Delete a amphora

```
openstack loadbalancer amphora delete [--wait] <amphora-id>
```

--wait

Wait for action to complete

amphora-id

UUID of the amphora to delete.

This command is provided by the python-octaviaclient plugin.

loadbalancer amphora failover

Force failover an amphora

```
openstack loadbalancer amphora failover [--wait] <amphora-id>
```

--wait

Wait for action to complete

amphora-id

UUID of the amphora.

This command is provided by the python-octaviaclient plugin.

loadbalancer amphora list

List amphorae

```
openstack loadbalancer amphora list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
```

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```

[--max-width <integer>]
[--fit-width]
[--print-empty]
[--sort-column SORT_COLUMN]
[--loadbalancer <loadbalancer>]
[--compute-id <compute-id>]
[--role {BACKUP,MASTER,STANDALONE}]
[--status {ALLOCATED,BOOTING,DELETED,ERROR,PENDING_CREATE,PENDING_
→DELETE,READY}]
[--long]

```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- quote** <QUOTE_MODE>
when to include quotes, defaults to nonnumeric
- noindent**
whether to disable indenting the JSON
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if **--max-width** greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- sort-column** SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated
- loadbalancer** <loadbalancer>
Filter by load balancer (name or ID).
- compute-id** <compute-id>
Filter by compute ID.
- role** {BACKUP,MASTER,STANDALONE}
Filter by role.
- status** {ALLOCATED,BOOTING,DELETED,ERROR,PENDING_CREATE,PENDING_DELETE,READY},
Filter by amphora provisioning status.
- long**
Show additional fields.

This command is provided by the python-octaviaclient plugin.

loadbalancer amphora show

Show the details of a single amphora

```

openstack loadbalancer amphora show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <amphora-id>

```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

amphora-id
UUID of the amphora.

This command is provided by the python-octaviaclient plugin.

loadbalancer amphora stats show

Shows the current statistics for an amphora.

```

openstack loadbalancer amphora stats show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--listener <listener>]
  <amphora-id>

```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- listener** <listener>
Filter by listener (name or ID)
- amphora-id**
UUID of the amphora

This command is provided by the python-octaviaclient plugin.

2.1.10 provider

loadbalancer provider capability list

List specified provider driver's capabilities.

```
openstack loadbalancer provider capability list
[-f {csv,json,table,value,yaml}]
[-c COLUMN]
[--quote {all,minimal,none,nonnumeric}]
[--noindent]
[--max-width <integer>]
[--fit-width]
[--print-empty]
[--sort-column SORT_COLUMN]
[--flavor | --availability-zone]
<provider_name>
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- quote** <QUOTE_MODE>
when to include quotes, defaults to nonnumeric

- noindent**
whether to disable indenting the JSON
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- sort-column** SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated
- flavor**
Get capabilities for flavor only.
- availability-zone**
Get capabilities for availability zone only.
- provider_name**
Name of the provider driver.

This command is provided by the python-octaviaclient plugin.

loadbalancer provider list

List all providers

```
openstack loadbalancer provider list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- quote** <QUOTE_MODE>
when to include quotes, defaults to nonnumeric
- noindent**
whether to disable indenting the JSON
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width

Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty

Print empty table if there is no data to show.

--sort-column SORT_COLUMN

specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

This command is provided by the python-octaviaclient plugin.

2.1.11 flavor

loadbalancer flavor create

Create a octavia flavor

```
openstack loadbalancer flavor create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  --name <name>
  --flavorprofile <flavor_profile>
  [--description <description>]
  [--enable | --disable]
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--name <name>
New flavor name.

- flavorprofile** <flavor_profile>
Flavor profile to add the flavor to (name or ID).
- description** <description>
Set flavor description.
- enable**
Enable flavor.
- disable**
Disable flavor.

This command is provided by the python-octaviaclient plugin.

loadbalancer flavor delete

Delete a flavor

```
openstack loadbalancer flavor delete <flavor>
```

- flavor**
Flavor to delete (name or ID)

This command is provided by the python-octaviaclient plugin.

loadbalancer flavor list

List flavor

```
openstack loadbalancer flavor list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--name <name>]
  [--flavorprofile <flavor_profile>]
  [--enable | --disable]
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- quote** <QUOTE_MODE>
when to include quotes, defaults to nonnumeric
- noindent**
whether to disable indenting the JSON
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width

Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty

Print empty table if there is no data to show.

--sort-column SORT_COLUMN

specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

--name <name>

List flavors according to their name.

--flavorprofile <flavor_profile>

List flavors according to their flavor profile.

--enable

List enabled flavors.

--disable

List disabled flavors.

This command is provided by the python-octaviaclient plugin.

loadbalancer flavor set

Update a flavor

```
openstack loadbalancer flavor set
  [--name <name>]
  [--enable | --disable]
  <flavor>
```

--name <name>

Set the name of the flavor.

--enable

Enable flavor.

--disable

Disable flavor.

flavor

Name or UUID of the flavor to update.

This command is provided by the python-octaviaclient plugin.

loadbalancer flavor show

Show the details for a single flavor

```

openstack loadbalancer flavor show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <flavor>

```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

flavor
Name or UUID of the flavor.

This command is provided by the python-octaviaclient plugin.

loadbalancer flavor unset

Clear flavor settings

```

openstack loadbalancer flavor unset [--description] <flavor>

```

--description
Clear the flavor description.

flavor
Flavor to update (name or ID).

This command is provided by the python-octaviaclient plugin.

2.1.12 flavorprofile

loadbalancer flavorprofile create

Create a octavia flavor profile

```
openstack loadbalancer flavorprofile create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  --name <name>
  --provider <provider
name>
  --flavor-data <flavor_data>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--name <name>
New octavia flavor profile name.

--provider <provider name>
Provider name for the flavor profile.

--flavor-data <flavor_data>
The JSON string containing the flavor metadata.

This command is provided by the python-octaviaclient plugin.

loadbalancer flavorprofile delete

Delete a flavor profile

```
openstack loadbalancer flavorprofile delete <flavor_profile>
```

flavor_profile

Flavor profiles to delete (name or ID)

This command is provided by the python-octaviaclient plugin.

loadbalancer flavorprofile list

List flavor profile

```
openstack loadbalancer flavorprofile list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--name <name>]
  [--provider <provider_name>]
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--quote <QUOTE_MODE>
when to include quotes, defaults to nonnumeric

--noindent
whether to disable indenting the JSON

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--sort-column SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

--name <name>
List flavor profiles by flavor profile name.

--provider <provider_name>
List flavor profiles according to their provider.

This command is provided by the python-octaviaclient plugin.

loadbalancer flavorprofile set

Update a flavor profile

```
openstack loadbalancer flavorprofile set
  [--name <name>]
  [--provider <provider_name>]
  [--flavor-data <flavor_data>]
  <flavor_profile>
```

--name <name>
Set the name of the flavor profile.

--provider <provider_name>
Set the provider of the flavor profile.

--flavor-data <flavor_data>
Set the flavor data of the flavor profile.

flavor_profile
Name or UUID of the flavor profile to update.

This command is provided by the python-octaviaclient plugin.

loadbalancer flavorprofile show

Show the details for a single flavor profile

```
openstack loadbalancer flavorprofile show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <flavor_profile>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- flavor_profile**
Name or UUID of the flavor profile to show.

This command is provided by the python-octaviaclient plugin.

2.1.13 availabilityzone

loadbalancer availabilityzone create

Create an octavia availability zone

```
openstack loadbalancer availabilityzone create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  --name <name>
  --availabilityzoneprofile <availabilityzone_profile>
  [--description <description>]
  [--enable | --disable]
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.

- name** <name>
New availability zone name.
- availabilityzoneprofile** <availabilityzone_profile>
Availability zone profile to add the AZ to (name or ID).
- description** <description>
Set the availability zone description.
- enable**
Enable the availability zone.
- disable**
Disable the availability zone.

This command is provided by the python-octaviaclient plugin.

loadbalancer availabilityzone delete

Delete an availability zone

```
openstack loadbalancer availabilityzone delete <availabilityzone>
```

- availabilityzone**
Name of the availability zone to delete.

This command is provided by the python-octaviaclient plugin.

loadbalancer availabilityzone list

List availability zones

```
openstack loadbalancer availabilityzone list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--name <name>]
  [--availabilityzoneprofile <availabilityzone_profile>]
  [--enable | --disable]
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns
- quote** <QUOTE_MODE>
when to include quotes, defaults to nonnumeric
- noindent**
whether to disable indenting the JSON

- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- sort-column** SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated
- name** <name>
List availability zones according to their name.
- availabilityzoneprofile** <availabilityzone_profile>
List availability zones according to their AZ profile.
- enable**
List enabled availability zones.
- disable**
List disabled availability zones.

This command is provided by the python-octaviaclient plugin.

loadbalancer availabilityzone set

Update an availability zone

```
openstack loadbalancer availabilityzone set
  [--description <description>]
  [--enable | --disable]
  <availabilityzone>
```

- description** <description>
Set the description of the availability zone.
- enable**
Enable the availability zone.
- disable**
Disable the availability zone.
- availabilityzone**
Name of the availability zone to update.

This command is provided by the python-octaviaclient plugin.

loadbalancer availabilityzone show

Show the details for a single availability zone

```

openstack loadbalancer availabilityzone show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <availabilityzone>

```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

availabilityzone
Name of the availability zone.

This command is provided by the python-octaviaclient plugin.

loadbalancer availabilityzone unset

Clear availability zone settings

```

openstack loadbalancer availabilityzone unset
  [--description]
  <availabilityzone>

```

--description
Clear the availability zone description.

availabilityzone
Name of the availability zone to update.

This command is provided by the python-octaviaclient plugin.

2.1.14 availabilityzoneprofile

loadbalancer availabilityzoneprofile create

Create an octavia availability zone profile

```
openstack loadbalancer availabilityzoneprofile create
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  --name <name>
  --provider <provider
name>
  --availability-zone-data <availability_zone_data>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--name <name>
New octavia availability zone profile name.

--provider <provider name>
Provider name for the availability zone profile.

--availability-zone-data <availability_zone_data>
The JSON string containing the availability zone metadata.

This command is provided by the python-octaviaclient plugin.

loadbalancer availabilityzoneprofile delete

Delete an availability zone profile

```
openstack loadbalancer availabilityzoneprofile delete
  <availabilityzone_profile>
```

availabilityzone_profile

Availability zone profile to delete (name or ID)

This command is provided by the python-octaviaclient plugin.

loadbalancer availabilityzoneprofile list

List availability zone profiles

```
openstack loadbalancer availabilityzoneprofile list
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--name <name>]
  [--provider <provider_name>]
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--quote <QUOTE_MODE>
when to include quotes, defaults to nonnumeric

--noindent
whether to disable indenting the JSON

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--sort-column SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

--name <name>
List availabilityzone profiles by profile name.

--provider <provider_name>
List availability zone profiles according to their provider.

This command is provided by the python-octaviaclient plugin.

loadbalancer availabilityzoneprofile set

Update an availability zone profile

```
openstack loadbalancer availabilityzoneprofile set
  [--name <name>]
  [--provider <provider_name>]
  [--availabilityzone-data <availabilityzone_data>]
  <availabilityzone_profile>
```

--name <name>
Set the name of the availability zone profile.

--provider <provider_name>
Set the provider of the availability zone profile.

--availabilityzone-data <availabilityzone_data>
Set the availability zone data of the profile.

availabilityzone_profile
Name or UUID of the availability zone profile to update.

This command is provided by the python-octaviaclient plugin.

loadbalancer availabilityzoneprofile show

Show the details of a single availability zone profile

```
openstack loadbalancer availabilityzoneprofile show
  [-f {json,shell,table,value,yaml}]
  [-c COLUMN]
  [--noindent]
  [--prefix PREFIX]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  <availabilityzone_profile>
```

-f <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table

-c COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated to show multiple columns

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>

Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width

Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty

Print empty table if there is no data to show.

availabilityzone_profile

Name or UUID of the availability zone profile to show.

This command is provided by the python-octaviaclient plugin.

2.2 Python Octavia Client Reference

The following is a mapping between legacy Neutron CLIs and the Octavia plugin into OSC. Think of it as a magic decoder ring if you were using the legacy CLIs and want to transition to OpenStack CLI. Command options are only shown when necessary.

2.2.1 Mapping Guide - LBaaS v2 CLI

Neutron CLI	OSC Equivalent	Description
lbaas-healthmonitor-create	loadbalancer healthmonitor create	LBaaS v2 Create a healthmonitor.
lbaas-healthmonitor-delete	loadbalancer healthmonitor delete	LBaaS v2 Delete a given healthmonitor.
lbaas-healthmonitor-list	loadbalancer healthmonitor list	LBaaS v2 List healthmonitors that belong to a given tenant.
lbaas-healthmonitor-show	loadbalancer healthmonitor show	LBaaS v2 Show information of a given healthmonitor.
lbaas-healthmonitor-update	loadbalancer healthmonitor set	LBaaS v2 Update a given healthmonitor.
lbaas-l7policy-create	loadbalancer l7policy create	LBaaS v2 Create L7 policy.
lbaas-l7policy-delete	loadbalancer l7policy delete	LBaaS v2 Delete a given L7 policy.
lbaas-l7policy-list	loadbalancer l7policy list	LBaaS v2 List L7 policies that belong to a given listener.
lbaas-l7policy-show	loadbalancer l7policy show	LBaaS v2 Show information of a given L7 policy.
lbaas-l7policy-update	loadbalancer l7policy set	LBaaS v2 Update a given L7 policy.
lbaas-l7rule-create	loadbalancer l7rule create	LBaaS v2 Create L7 rule.
lbaas-l7rule-delete	loadbalancer l7rule delete	LBaaS v2 Delete a given L7 rule.
lbaas-l7rule-list	loadbalancer l7rule list	LBaaS v2 List L7 rules that belong to a given L7 policy.
lbaas-l7rule-show	loadbalancer l7rule show	LBaaS v2 Show information of a given rule.
lbaas-l7rule-update	loadbalancer l7rule set	LBaaS v2 Update a given L7 rule.

continues on next page

Table 1 – continued from previous page

Neutron CLI	OSC Equivalent	Description
lbaas-listener-create	loadbalancer listener create	LBaaS v2 Create a listener.
lbaas-listener-delete	loadbalancer listener delete	LBaaS v2 Delete a given listener.
lbaas-listener-list	loadbalancer listener list	LBaaS v2 List listeners that belong to a given tenant.
lbaas-listener-show	loadbalancer listener show	LBaaS v2 Show information of a given listener.
lbaas-listener-update	loadbalancer listener set	LBaaS v2 Update a given listener.
lbaas-loadbalancer-create	loadbalancer create	LBaaS v2 Create a loadbalancer.
lbaas-loadbalancer-delete	loadbalancer delete	LBaaS v2 Delete a given loadbalancer.
lbaas-loadbalancer-list	loadbalancer list	LBaaS v2 List loadbalancers that belong to a given tenant.
lbaas-loadbalancer-list-on-agent		List the loadbalancers on a loadbalancer v2 agent.
lbaas-loadbalancer-show	loadbalancer show	LBaaS v2 Show information of a given loadbalancer.
lbaas-loadbalancer-stats	loadbalancer stats show	Retrieve stats for a given loadbalancer.
lbaas-loadbalancer-status	loadbalancer status show	Retrieve status for a given loadbalancer.
lbaas-loadbalancer-update	loadbalancer set	LBaaS v2 Update a given loadbalancer.
lbaas-member-create	loadbalancer member create	LBaaS v2 Create a member.
lbaas-member-delete	loadbalancer member delete	LBaaS v2 Delete a given member.
lbaas-member-list	loadbalancer member list	LBaaS v2 List members that belong to a given pool.
lbaas-member-show	loadbalancer member show	LBaaS v2 Show information of a given member.
lbaas-member-update	loadbalancer member set	LBaaS v2 Update a given member.
lbaas-pool-create	loadbalancer pool create	LBaaS v2 Create a pool.
lbaas-pool-delete	loadbalancer pool delete	LBaaS v2 Delete a given pool.
lbaas-pool-list	loadbalancer pool list	LBaaS v2 List pools that belong to a given tenant.
lbaas-pool-show	loadbalancer pool show	LBaaS v2 Show information of a given pool.

Note: As commands get introduced they will populate the table. If no OSC Equivalent commands are listed, the command has not been implemented yet.