Cloud Application Development Lab: CLI Nova

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Batch: - B4 Non-Hons CC&VT

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```
[root@localhost_nova(keystone_admin)]# openstack_flavor_list
     1 Name
                        RAM | Disk | Ephemeral | UCPUs | Is Public |
     | ml.timg
| ml.small
                       512 1
                                                         1 | True
                      2040 1
4896 1
                                                         1 | True
2 | True
                                 20
                                                8 1
     1 m1.medium 1
                                                8 1
                                 48
                                                         4 | True
8 | True
     1 ml.large 1
                      819Z
                                88
     | m1.xlarge | 16384 |
                                160
                                                8 1
[root@localhost nova(keystone_admin)]#
```

```
root@localhost nova(keystone_admin)]# openstack flavor create —1d 18 —ram 256 —disk 2 —public
iner
Field
                                              Value
  OS-FLU-DISABLED: disabled OS-FLU-EXT-DATA: ephemeral
                                              2
10
 disk
id
                                              tiner
True
  name
  os-flavor-access:is_public
properties
 ram
rxtx factor
swap
vcpus
                                              256
1.0
                                            1 1
[root@localhost_nova(keystone_admin)]# openstack_flavor_list
                               RAM | Disk | Ephemeral | UCPUs | Is Public |
  ID | Name
 1 | m1.tiny | 512 |
19 | tiner | 256 |
2 | m1.small | 2848 |
3 | m1.medium | 4896 |
4 | m1.large | 8192 |
5 | m1.xlarge | 16384 |
                                                                          1 | True
1 | True
1 | True
2 | True
4 | True
8 | True
                                                               28
                                           48
                                          168
[root@localhost nova(keystone_admin)]#
```

```
use case of connecting a new server to a given port.
For more advanced use cases, refer to the '--nic'
parameter.

--hint (key=value)
Hints for the scheduler (optional extension)
--config-drive (config-drive-volume):True
Use specified volume as the config drive, or 'True' to
use an ephemeral drive
--min (count)
Hinimum number of servers to launch (default=1)
--max (count)
Haximum onumber of servers to launch (default=1)
--wait

Output formatters:
output formatter options

--f (json,shell,table,value,yaml), --format (json,shell,table,value,yaml)
the output format, defaults to table
--c COLLIMN, --column COLLIMN
Specify the column(s) to include, can be repeated

table formatter:
--max-width (integer)

Maximum display width, (1 to disable. You can also use
the CLIFF MAX TERM MIDTH 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 MIDTH=1 to always enable

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

json formatter:
--noindent
whether to disable indenting the JSON

shell formatter:
a format a UNIX shell can parse (variable="value")
--prefix PREFIX
add a prefix to all variable names
Iroot@localhost nova(keystone_admin)!s

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```

froot@localhost nova(keystone_admin)]# openstack keypair create mykeypair >>mykeypai.key
froot@localhost nova(keystone_admin)]#

```
root@localhost nova(keystone_admin)l# openstack server create --image cirros
flavor 10 --nic net-id-31ae4834-c628-4f9b-a7af-3733a5afbb0d instance81
 US-DCF:diskConfig
US-EXT-6Z:availability_zone
US-EXT-SRU-ATTR:host
US-EXT-SRU-ATTR:hypervisor_hostname
US-EXT-SRU-ATTR:instance_name
US-EXT-STS:power_state
US-EXT-STS:task_state
US-EXT-STS:vs_state
US-EXT-STS:vs_state
US-SRU-USG:launched_at
US-SRU-USG:terminated_at
US-SRU-USG:terminated_at
US-SRU-USG:terminated_at
                                                                                        MANUAL
                                                                                       MOSTATE
                                                                                       scheduling
building
                                                                                       None
None
  access IPv4
access IPv6
  addresses
adminPass
                                                                                       cM82tfMTh4xE
 config_drive
created
flavor
hostId
                                                                                       2023-04-22T20:19:24Z
tiner (10)
                                                                                       1d587838-d1a7-4748-bc3f-931dab7cc73b
cirros (415c11f1-3819-4986-a42c-d24482c68c7f)
  id
   image
  key_name
name
                                                                                       mykeypair
instance01
 progress
project_id
properties
security_groups
status
updated
user_id
                                                                                       8
cd18aa9de86a4e8e88635a8f6fe9d987
                                                                                       name='default'
BUILD
                                                                                        2823-84-22728:19:242
9ca7b68be5f84c89ba8d7f01b55bee83
  user_id
  volumes attached
root@localhost nova(keystone_admin)l#
```

```
[root@localhost nova(keystone_admin)]# openstack server show instance@1
                                                  ! Ualue
  OS-DCF: diskConfig
                                                    MANUAL
  OS-EXT-AZ:availability_zone
OS-EXT-SRU-ATTR:host
                                                     HOVE.
                                                     localhost.localdomain
 US-EXT-SRU-ATTR: hypervisor_hostname
US-EXT-SRU-ATTR: hypervisor_hostname
US-EXT-STS: power_state
US-EXT-STS: task_state
                                                     localhost.localdomain
                                                     instance 80000007
                                                    Bunning
                                                    Mone
  OS-EXT-STS:vm_state
OS-SRV-USG:launched_at
                                                    active
                                                    2023-04-22T20:20:08.000000
  US-SRU-USG: terminated at
                                                    None
  access IPv4
  access IPv6
  addresses
                                                     intnet=10.5.5.15
  config_drive created
                                                    2823-04-22T28:19:24Z
                                                    tiner (18)
c55968a86f49b7e6edfe55b5f8c3691f8864358c36c58a814aa7ebc5
1d587838-d1a7-47d8-bc3f-931dab7cc73b
cirros (415e11f1-3819-4986-a42e-d2d482c68c7f)
  flavor
  host Id
  id
  Image
  key name
                                                    mukeupair
  name
                                                     instance01
  progress
  project_id
                                                    cd18aa9de86a4e8e88635a8f6fe9d987
  properties
   security_groups
                                                    name='default'
                                                    ACTIVE
2823-84-22T28:28:11Z
  status
  undated
                                                     9ca7b68be5f84c89ba0d7f01b55bee03
  user_id
  volumes_attached
[root@localhost_nova(keystone_admin)]# _
```

```
[root@localhost nova(keystone_admin)]# cat /etc/nova/nova.comf | grep filter
# not filtered. An empty string means that all levels are filtered (string
[filter_scheduler]
# Deprecated group:name - DEFAULT:scheduler_available_filters
# Deprecated group:name - DEFGULT:scheduler_available_filters
# Deprecated group:name - DEFGULT:scheduler_default_filters
# Inable_filters=RearyFilter.Scheduler_default_filter.ComputeCapabilitiesFilter.ImagePropertiesFilter
# chable_filters=RearyFilter.Scheduler# InagePropertiesFilter | InagePro
```

protected	False	
: schema	/v2/schema	szimage
: size	! None	
status	1 queued	
tags		
updated_at	1 2023-04-22	TZ6:22:37Z
: virtual_size	! None	
visibility	private	
+		
[root@localhost	nova (keystone_a	+ dmin)]# _

[root@localhost_nova(keystone_admin)]#	
	Name Status
415e11f1-3819-4986-a42e-d2d402c60e7f 8ec2bff5-1354-4c92-a302-0129737e74f2	
[root@localhost nova(keystone_admin)]#	

```
froot@localhost nova(keystone_admin)|# openstack console url show --novac instance@l

| Field | Value
|
| type | novac
|
| url | http://10.18.28.98:6080/vnc_auto.html?path=%3Ftoken%3Db526d299-55cf-474b-88ee-316e8ec573cd
|
| troot@localhost nova(keystone_admin)|#
```

```
Eroot@localhost nova(keystone_admin)]# openstack console log show instance@1
Eroot@localhost nova(keystone_admin)]# openstack console log show instance@1
Eroot@localhost nova(keystone_admin)]#
Eroot@localhost nova(keystone_admin)]#
```

```
| server group create | server group delete | server group list | server group show | server lange create | server lange create | server lange create | server lange create | server lock | server migrate | server pause | server pause | server pause | server pause | server remove fixed ip | server remove fixed ip | server remove network | server remove network | server remove noting | server remove port | server remove column | server resize | server setze | server setze | server set | server show | server show | server stap | server stap | server stap | server stap | server unpause | server unsate | server unsat
```