CRITICAL THINKING

by can.

USING NOVA API

- get the environment

USING NOVA API

- openrc.sh

```bash
#!/bin/bash

# With the addition of Keystone, to use an openstack cloud you should
# authenticate against keystone, which returns a **Token** and **Service
# Catalog**.  The catalog contains the endpoint for all services the
# user/tenant has access to - including nova, glance, keystone, swift.
#
# *NOTE*: Using the 2.0 *auth api* does not mean that compute api is 2.0.  We
# will use the 1.1 *compute api*
export OS_AUTH_URL=http://210.25.137.233:5000/v2.0

# With the addition of Keystone we have standardized on the term **tenant**
# as the entity that owns the resources.
export OS_TENANT_ID=dde38a98ea7545aa9d41b27809a20a31
export OS_TENANT_NAME="admin"

# In addition to the owning entity (tenant), openstack stores the entity
# performing the action as the **user**.
export OS_USERNAME=admin

# With Keystone you pass the keystone password.
echo "Please enter your OpenStack Password: "
read -s OS_PASSWORD_INPUT
export OS_PASSWORD=$OS_PASSWORD_INPUT
```

USING NOVA API

- in a python script(using python-novaclient):

```python
from novaclient.v1_1 import client
nt = client.Client(USER, PASSWORD, TENANT_NAME, AUTH_URL,
                   service_type="compute", no_cache = True)


nt = client.Client('admin', 'openstack', 'admin',
                   'http://210.25.137.233:5000/v2.0',
                   service_type="compute", no_cache = True)
```

- then do whatever you want

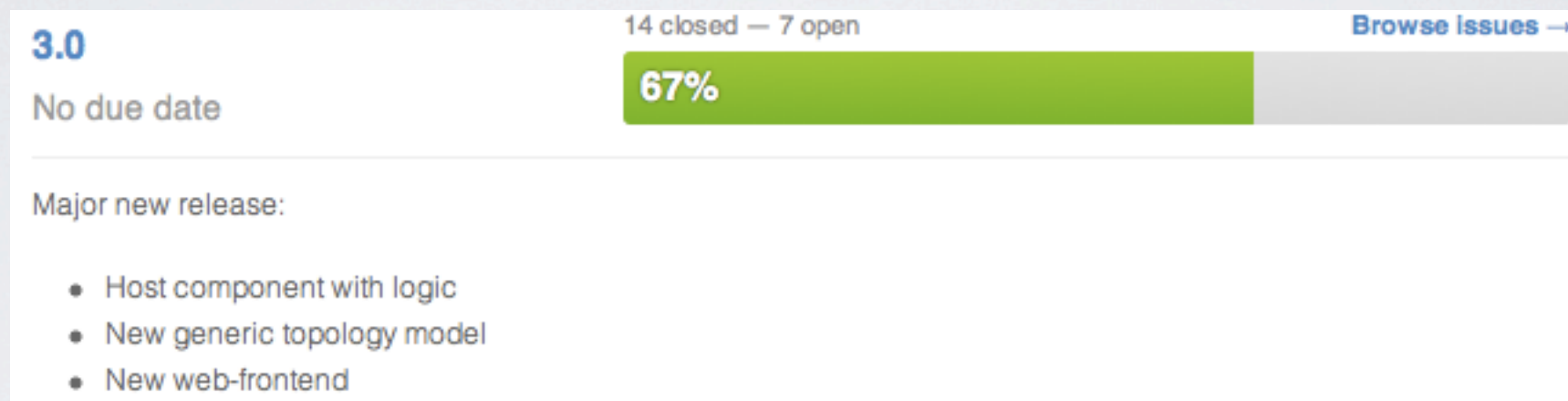- anything that can be done via horizon, maybe even more

ON OPENSTACK

- It's getting better

- Still need a lot of maintenance work

- Encountered 2 bugs in one day

- Not production-ready till now

ON TOMATO

- On the way to 3.0

3.0	14 closed — 7 open Browse issues →
No due date	67%

Major new release:

- Host component with logic
- New generic topology model
- New web-frontend

- Backend almost finished, frontend in progress

- Seems only one active developer at the time

- Wait and see...

ON ROUTEFLOW

- I always think about it as solving a problem that does not exist

ON MY GRE TEST

- due on oct.20

- 问君能有几多愁----恰似大把单词记不熟

- docs recently written: https://github.com/cannium/docs

- actually I tried to write a backend framework myself, maybe as a backup: https://github.com/cannium/testbed-backend

没了