

## Open Infrastructure - Task #7221

Task # 6869 (Rejected): Challenge OpenStack and OpenNebula with ucloud

### Pre 0.0.1 release fixes

10/12/2019 06:15 PM - Nico Schottelius

<b>Status:</b>	Rejected	<b>Start date:</b>	10/12/2019
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Nico Schottelius	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>PM Check date:</b>			

#### Description

I'll add things I find on the way of installing ucloud 0.0.1 in this ticket and they should be fixed prior to release.

strike ~~through~~ what has been fixed

### Small / doc Fixes

- ucloud-api
  - README: include curl example on creating VM
  - Include curl example on listing VMs that belong to me
  - Include curl example on deleting VM that belong to me
- ucloud-pay
  - order of pipenv commands seems to be mixed up
  - pipenv shell->run
  - typos in getting started
  - main command is ucloud\_pay instead of main
  - example uses a "seed" in the argument -> needs to be a token
  - unit is a bit strange (12000)
  - user should / needs to be able to register only for themselves
  - need to distinguish ADMIN vs. USER actions better
- all docs:
  - instead of pipenv shell and then executing, using pipenv run
  - how to configure ucloud? where is the main doc?

### ucloud-api

After following the manual, the following error happens:

```
[18:17] diamond:ucloud-api% pipenv run python main.py
Traceback (most recent call last):
  File "main.py", line 13, in <module>
    from config import etcd_client as client
  File "/home/nico/vcs/ucloud-api/config.py", line 3, in <module>
    from etcd3_wrapper import Etcd3Wrapper
ModuleNotFoundError: No module named 'etcd3_wrapper'
[18:18] diamond:ucloud-api%
```

### ucloud-pay

We need a more graceful way of failing when stuff is not configured:

```
[18:33] diamond:ucloud-pay% pipenv run python ucloud_pay.py
Traceback (most recent call last):
  File "ucloud_pay.py", line 11, in <module>
    from config import etcd_client as client, logging, APP_PORT
  File "/home/nico/vcs/ucloud-pay/config.py", line 15, in <module>
    etcd_client = Etcd3Wrapper(host=config("ETCD_HOST"), port=config("ETCD_PORT"))
  File "/home/nico/.local/share/virtualenvs/ucloud-pay-_iEKDH1V/lib/python3.7/site-packages/decouple.py", line 197, in __call__
```

```
    return self.config(*args, **kwargs)
File "/home/nico/.local/share/virtualenvs/ucloud-pay-_iEKDH1V/lib/python3.7/site-packages/decouple.py", line 85, in __call__
    return self.get(*args, **kwargs)
File "/home/nico/.local/share/virtualenvs/ucloud-pay-_iEKDH1V/lib/python3.7/site-packages/decouple.py", line 70, in get
    raise UndefinedValueError('{} not found. Declare it as envvar or define a default value.'.format(option))
decouple.UndefinedValueError: ETCD_HOST not found. Declare it as envvar or define a default value.
[18:37] diamond:ucloud-pay%
```

## Easy / small improvements (?)

- Centralisation
  - maybe create a **ucloud** repo and begin to merge things
  - maybe have main **ucloud** script to launch components
  - maybe we add/move the documentation into there, as well
  - all this considering: how many LOC do we have at the moment?
    - need to consider this for whether it's a good idea to merge
- Configuration
  - Our configuration base is /etc/ucloud
  - Let's define an entry file like /etc/ucloud/ucloud.SOMETHING
    - something = json, ini, python, whatever
  - This should be minimal and only contain etcd information
- etcd based configuration
  - everything else should be in distributed data store

## History

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**#1 - 10/12/2019 06:17 PM - Nico Schottelius**

- Description updated

**#2 - 10/12/2019 06:18 PM - Nico Schottelius**

- Description updated

**#3 - 10/12/2019 06:19 PM - Nico Schottelius**

- Description updated

**#4 - 10/12/2019 06:39 PM - Nico Schottelius**

- Description updated

**#5 - 10/12/2019 06:48 PM - Nico Schottelius**

- Description updated

**#6 - 10/12/2019 06:55 PM - Nico Schottelius**

- Description updated

**#7 - 10/12/2019 07:23 PM - Nico Schottelius**

- Description updated

**#8 - 10/13/2019 06:02 AM - Mond Ravi**

I added graceful handling of errors when ucloud-pay is not configured.

Now, it shows just the message.

```
(ucloud-pay) [pcoder@archlinux ucloud-pay]$ python ucloud_pay.py
ETCD_HOST not found. Declare it as envvar or define a default value.
```

**#9 - 10/15/2019 06:03 PM - Ahmed Bilal**

- Assignee changed from Ahmed Bilal to Nico Schottelius

Nico, it is possible although may not be that much of value. Sample command as follow

```
curl http://127.0.0.1:5000/vm/create -d '{"name":"admin", "realm":"ungleich-admin", "token":""$(python -c
'import pyotp; print(pyotp.TOTP("FEYGF2LN5EFESWC4").now()))}'"
', "vm_name": "my_vm", "specs": {"cpu": 2, "ram": "2gb", "os-ssd": "10gb", "hdd": ["100gb", "200gb"]}, "image
_uuid": "86bdedfb-c76e-420b-a4b4-f7b3c30d9da0"}' -H "Content-Type: application/json" -X POST
```

Don't worry, the OTP triple is local.

**#10 - 08/09/2021 03:20 PM - Nico Schottelius**

- Status changed from New to Rejected