

OpenStack Authentication

```
from swifclient import client

client.Connection(user='user',
                  key='key',
                  auth_url='http://whatever/v2.0',
                  tenant_name='project')
```

```
From keystoneclient.v3 import client
```

```
client.Client(auth_url='http://whatever/v2.0',
               username='user',
               password='key',
               project_name='project',
               user_domain_name='...',
               project_domain_name='..')
```

```
from glanceclient import client
```

```
client.Client(version='1',
               endpoint='http://theglanceurl',
               token='abcde')
```

STOP IT

```
From keystoneclient import session
from keystoneclient.auth.identity import v3

auth = v3.Password(auth_url='http://whatever/v3',
                    username='user',
                    password='pass',
                    project_name='project',
                    ...)

sess = session.Session(cacerts='...')

from keystoneclient.v3 import client as ks_client
from glanceclient.v2 import client as g_client
from cinderclient.v2 import client as c_client

ks = ks_client.Client(session=sess)
glance = g_client.Client(session=sess)
Cinder = c_client.Client(session=sess)
```

- Token reuse
- Stops each client dealing with its own auth
- Consistent re-authentication
- Consistent format
- Loading mechanism for CLI and config files

STOP IT