magnum requires barbican for tsl storage.

* Install prereqs
  + sudo yum install python-devel -y
  + sudo yum install sqlite-devel -y
  + sudo yum install libffi-devel -y
  + sudo yum install openssl-devel -y
  + sudo yum install screen -y
* Centos specific package to be installed
  + sudo yum install openldap-devel -y
* for import errors
  + pip install pecan
  + pip install alembic
  + pip install python-ldap
* install pyenv & pyenv-virtualenv
  + #pyenv
    - git clone https://github.com/yyuu/pyenv.git ~/.pyenv
    - echo 'export PYENV\_ROOT="$HOME/.pyenv"' >> ~/.bash\_profile
    - echo 'export PATH="$PYENV\_ROOT/bin:$PATH"' >> ~/.bash\_profile
    - echo 'eval "$(pyenv init -)"' >> ~/.bash\_profile
    - exec $SHELL
    - export PATH=/root/.pyenv/bin:$PATH
  + #pyenv-virtualenv
    - git clone https://github.com/yyuu/pyenv-virtualenv.git ~/.pyenv/plugins/pyenv-virtualenv
    - echo 'eval "$(pyenv virtualenv-init -)"' >> ~/.bash\_profile
    - exec "$SHELL"
  + Create V-environment
    - sudo yum install bzip2-devel -y
    - sudo yum install patch -y
    - yum groupinstall "Development Tools" -y
    - pyenv install 2.7.5
    - pyenv rehash
    - pyenv virtualenv 2.7.5 barbican27
    - eval "$(pyenv init -)"
    - pyenv shell barbican27
  + clone and install barbican
  + git clone <https://github.com/openstack/barbican.git> --branch stable/liberty
  + -#pip install barbican/
  + -#yum install python-devel
  + -#pip install uwsgi
  + -#--\*mkdir -p /var/lib/barbican (this step may be removed...must test)
  + cd barbican
  + screen
  + bin/barbican.sh install
* Verify Operation
  + curl -H 'X-Project-Id:12345' localhost:9311
  + OUTPUT SHOULD LOOK LIKE:
  + {"versions": {"values": [{"status": "stable", "updated": "2015-04-28T00:00:00Z", "media-types": [{"base": "application/json", "type": "application/vnd.openstack.key-manager-v1+json"}], "id": "v1", "links": [{"href": "http://localhost:9311/v1/", "rel": "self"}, {"href": "<http://do>

TODO:

<https://github.com/cloudkeep/barbican/wiki/Barbican-Options:-authentication-with-Keystone>

<http://docs.openstack.org/developer/barbican/setup/keystone.html>

barbican user is not authorized for tenant 403...not sure which tenant this is...