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](https://github.com/cloudkeep/barbican/wiki/Barbican-Options%3A-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...