TripleO (OOO)

OpenStack on OpenStack

TripleO is a project aimed at installing, upgrading and operating OpenStack clouds using OpenStack's own cloud facilities as the foundation.

Useful links

 tripleo.org
 bit.do/tripleo
 freenode.net #tripleo

Stack Debugging

The goal of this upstream cheatsheet is to show some relevant commands related to how to debug a TripleO deployment.

List failures when deploying an Overcloud

```
$ openstack stack failures list overcloud --long
```

Show resources, filtering to get those who have failed.

```
$ heat resource-list --nested-depth 5 overcloud | grep FAILED
```

Get the deployment details for <deployment_ID>.

```
$ heat deployment-show <deployment_ID>
```

List images.

```
$ openstack image list
```

Delete <image_ID>.

```
$ openstack image delete <image_ID>
```

Source Undercloud config files

```
$ source ~/stackrc
```

List Overcloud nodes.

```
$ nova list
```

SSH into the Overcloud nodes

```
$ ssh heat-admin@<node-ip>
```

Source Overcloud config files

```
$ source ~/overcloudrc
```

Download the overcloud swift container files in the current folder (With the rendered j2 templates).

```
$ swift download overcloud
```

Download <release> overcloud images tar file [liberty|mitaka|newton|...]

```
$ wget \
  http://buildlogs.centos.org/centos/7/cloud/x86_64/tripleo_images/<release>/delorean/overcloud-full.tar
```

Once downloaded the images, this command will upload them to glance.

```
$ openstack overcloud image upload --update-existing
```

```
DEVELOPER NOTES:
- Troubleshooting and useful guides related to stacks deploying and debugging.
  * http://tripleo.org/troubleshooting/troubleshooting.html
  * http://www.anstack.com/blog/2016/11/28/testing-composable-upgrades.html
  * http://www.dougalmatthews.com/2016/Sep/21/debugging-mistral-in-tripleo/
  * http://www.anstack.com/blog/2016/07/02/ssh-multi-hop-tripleo.html
  * http://hardysteven.blogspot.com.es/2015/04/debugging-tripleo-heat-templates.html
```