Lab 18: OpenStack Troubleshooting

Objective 1.

Review OpenStack Configuration Files:

- Infrastructure Configuration: NTP Time Server, MariaDB, Memcached & Apache2
- Services Configuration Files: Keystone, Glance, Nova, Neutron, Horizon, Cinder, Swift & Heat

Change **debug** Parameter to **True** in defaults section of **cinder.conf** file.

Objective 2.

Review OpenStack System Services:

```
# service --status-all | grep <openstack-service>
```

```
# service <service-name> status
```

Restart **cinder-api** service.

Objective 3.

Quick check of all enabled OpenStack Services:

```
$ openstack service list --long
```

Quick check the status of Compute, Block Storage and Network Services & Agents:

```
$ nova service-list
```

```
$ cinder service-list
```

```
$ neutron agent-list
```

Display details of Neutron Metadata Server.

Objective 4.

Review OpenStack Infrastructure Services Log Files.

Review OpenStack Services Log Files.

Objective 5.

Using **mysql** CLI review Tables of **cinder** Database.

Create a Backup of all Databases in MariaDB instance.

Objective 6.

Review current status of OpenStack Messaging Queues.

Objective 7.

Display current Quota Usage for Project **sales-crm**.

Objective 8.

Scope **sherlock/bugs**.

List Instances of the project bugs.

Fix failed Instance and Start it up.

Assign a Floating IP to the fixed Instance, fix the issue in case of errors.

SSH to the Instance from the Router Name Space, fix the issue in case of errors.