OpenStack Deliverables

**Upload an Ubuntu Linux Image to Open Stack**

1. Download a premade Ubuntu virtual disk image

a) Go to from https://cloud-images.ubuntu.com/releases/

b) Navigate into the directory of the preferred version number

c) Download the an image with the .vmdk extension. image. For instance, the complete

URL for Ubuntu-Server-16.04 would be:

https://cloud-images.ubuntu.com/releases/16.04/release/ [ubuntu-16.04-server-cloudimg-amd64-disk1.vmdk](https://cloud-images.ubuntu.com/releases/16.04/release/ubuntu-16.04-server-cloudimg-amd64-disk1.vmdk)

2. Login into OpenStack. Login information will be provided by your system administrator.

3. On the left side of the browser window are several drops down menus. Click on “Compute” and then “Images”. On the upper right side of the window, click “Create Image”

4. Give the image you are about to create. The image description is optional. Click the red “Browse” button and select the Ubuntu vmdk file you downloaded previous in step #1. Select the format as “VMDK”. Image Requirements can be left unchanged. Set Image Sharing Visibility to “Public” and the Protected option to “No”. Click Create Image. This may take a few minutes. You should now be able to see your newly created image in the “Images” list (in “Compute”-> “Images”)

**Spin up an Ubuntu Linux Virtual Machine from an Image**

1.

**Access OpenStack via a Command Line Interface (CLI)**

1. “OpenStackClient (aka OSC) is a command-line client for OpenStack that brings the command set for Compute, Identity, Image, Object Storage and Block Storage APIs together in a single shell with a uniform command structure.” - [https://docs.openstack.org/python-openstackclient/2pike/#](https://docs.openstack.org/python-openstackclient/pike/)