**Features No. of Test Cases Automated Automation Language**

Barbican 20 Bash

Octavia 17 Python

DVR 44 Python

HugePages 10 Bash

Manila 26 Python

MTU 30 Python

SRIOV 22 Python

NUMA 11 Python

OVS-DPDK 48 Python

OVS-DPDK-&-SRIOV 12 Python

SRIOV\_OVS-offload 16 Python

**Pre-Request to run Automated test cases**

Create ssh key  
$ openstack keypair create ssh-key > ssh-key.pem  
$ chmod 400 ssh-key.pem

Create image or execute sanity script which automatically create public network and “centos” image on Openstack.  
Image name should be ‘centos’  
‘or’  
$ source <overcloud>  
$ python pilot/deployment-validation/sanity\_test.sh

If require then create availability zones by using python script  
$ python [NFV\_window](https://github.com/MuhammadAsif1/NFV_window)/**nfv-auto**/[availability-zone-creation.sh](https://github.com/MuhammadAsif1/NFV_window/blob/master/nfv-auto/availability-zone-creation.sh)

Clone repository  
https://github.com/MuhammadAsif1/NFV\_window.git

‘setup.json’ contained parameters(network name, server name, zones etc) and features .py file will get these parameters values.

Change stamp’s json file (e.g R8\_stamp\_data.json) according to the required parameter values.

**Execute Test Cases**

Setup environment

Install virtualenv using pip on director  
 $ pip install virtualenv

Create a virtual environment  
 $ virtualenv <env-name>

Active your virtual environment  
 $ source <env-name>/bin/activate

Install paramiko and sdk package  
 $ pip install openstacksdk==0.22.0  
 $ pip install paramiko==2.4.2