## Download the images

Juniper:

vSRX KVM Appliance 15.1X49-D16019 Dec 2018 qcow2 (3169.63MB)

## Direct Download:

https://cdn.juniper.net/software/junos/15.1X49-D160.2/media-vsrx-vmdisk-15.1X49-D160.2.qcow2?SM\_USER=dashmeet.anand@colorado.edu&\_gda\_=1547665008\_034a17b0\_d77a75271456fe1fcec8f7db

(Will require you to login with credentials registered with Juniper)
Convert the image into qcow2 format if the image is in a different format. (The procedure is mentioned below)

For additional details on the Juniper VSRX follow the information present in the file "VSRX as a router configuration" inside the folder VNF\_Configuration.

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Cisco:

https://software.cisco.com/download/home/284364978/type/282046477/release/3.11.0S

(Will require you to login with credentials registered with Cisco)

Convert the image into qcow2 format if the image is in a different format. (The procedure is mentioned below)

Cisco requires licenses to be installed on the CSR images.

The procedure to put licenses is mentioned in the file "Creating and adding cisco licenses to OpenStack image."

For additional details on the Cisco CSR follow the information present in the file "CSR configuration as a router" inside the folder VNF\_Configuration.

VyOS NAT:

VyOS NAT can be installed with the procedure given in the file "VYOS - Router" inside the folder VNF\_Configuration.

## Openstack

http://10.0.0.32/dashboard/auth/login/?next=/dashboard/

Username: admin Password: qwe123

(Same credentials that were used in local.conf)

Note:

If the images are not in qcow2 format, convert the images into qcow2 format using the following link.

https://docs.openstack.org/image-guide/convert-images.html

## Create an Image:

Compute>Images

