

## Jump Server Configuration:

(Rough Placeholder, edit me)

### Fuel

1. Obtain CentOS 7 Minimal ISO and install

```
wget
```

```
http://mirrors.kernel.org/centos/7/isos/x86_64/CentOS-7-x86_64-Minimal-1503-01.iso
```

2. Set parameters appropriate for your environment during installation

3. Disable NetworkManager

```
systemctl disable NetworkManager
```

4. Configure your /etc/sysconfig/network-scripts/ifcfg-\* files for your network

5. Restart networking

```
service network restart
```

6. Edit /etc/resolv.conf and add a nameserver, like:

```
echo 8.8.8.8 >> /etc/resolv.conf
```

7. Install libvirt & kvm

```
yum -y update yum -y install kvm qemu-kvm libvirt systemctl enable libvirtd
```

8. Reboot:

```
shutdown -r now
```

9. Configure SSHD

If you wish to avoid annoying delay when use ssh to log in, disable DNS lookups:

```
sed -i -e 's/^#UseDNS\ \+yes/UseDNS no/g' /etc/ssh/sshd_config
```

Disable Password Authenticaion for security:

```
sed -i -e 's/^#PasswordAuthentication\ \+yes/PasswordAuthentication no/g' /etc/ssh/sshd_config
```

If you want to diable IPv6 connections, comment IPv6 ListenAddress and change AddressFamily to inet:

```
sed -i -e 's/^ListenAddress\ \+::/#ListenAddress ::/g' /etc/ssh/sshd_config sed -i -e 's/^AddressFamily\ \+any/AddressFamily inet/g' /etc/ssh/sshd_config
```

10. Restart sshd

```
systemctl restart sshd
```

11. Install virt-install

```
yum -y install virt-install
```

12. Visit artifacts.opnfv.org and D/L the OPNFV Fuel ISO

13. Create a bridge using the interface on the PXE network, for example: br0

```
brctl addbr br0
```

14. Make a directory owned by qemu:

```
mkdir /home/qemu; mkdir -p /home/qemu/VMs/fuel-6.0/disk
```

```
chown -R qemu:qemu /home/qemu
```

15. Copy the ISO to /home/qemu

```
cd /home/qemu
```

```
virt-install -n opnfv-2015-05-22_18-34-07-fuel -r 4096 --vcpus=4 --cpuset=0-3 -c  
opnfv-2015-05-22_18-34-07.iso --os-type=linux --os-variant=rhel6 --boot hd,cdrom --disk  
path=/home/qemu/VMs/mirantis-fuel-6.0/disk/fuel-vhd0.qcow2,bus=virtio,size=50,format=qcow2  
-w bridge=br0,model=virtio --graphics vnc,listen=0.0.0.0
```

16. Temporarily flush the firewall rules to make things easier:

```
iptables -F
```

17. Connect to the console of the installing VM with your favorite VNC client.

18. Change the IP settings to match the pod, use an IP in the PXE/Admin network for the Fuel Master

**Foreman**

TBA