AS ROOT

yum -y install wget openssl-devel gcc make python-devel openssl-devel kernel-devel graphviz kernel-debug-devel autoconf automake rpm-build redhat-rpm-config libtool

adduser ovs

su - ovs

AS OVS USER

mkdir -p ~/rpmbuild/SOURCES

wget http://openvswitch.org/releases/openvswitch-2.4.0.tar.gz

cp openvswitch-2.4.0.tar.gz ~/rpmbuild/SOURCES/

tar xfz openvswitch-2.4.0.tar.gz

sed 's/openvswitch-kmod, //g' openvswitch-2.4.0/rhel/openvswitch.spec > openvswitch-2.4.0/rhel/openvswitch\_no\_kmod.spec

rpmbuild -bb --nocheck openvswitch-2.4.0/rhel/openvswitch\_no\_kmod.spec

exit

AS ROOT

mkdir /etc/openvswitch

yum localinstall /home/ovs/rpmbuild/RPMS/x86\_64/openvswitch-2.4.0-1.x86\_64.rpm

yum install policycoreutils-python

semanage fcontext -a -t openvswitch\_rw\_t "/etc/openvswitch(/.\*)?"

disable selinux

vi /etc/sysconfig/selinux

init 6

systemctl start openvswitch.service

chkconfig openvswitch on

CHECK OPENVSWITCH

ovs-vsctl -V

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ovs-vsctl show

Create and remove bridge

ovs-vsctl add-br br0

ovs-vsctl del-br EXT

VLAN

ovs-vsctl add-port br0 vlan904 tag=904 -- set interface vlan904 type=internal

ovs-vsctl add-port br0 vlan811 tag=811 -- set interface vlan811 type=internal

NOT NEEDED

ovs-vsctl add-port br0 ens2f0 trunks=904

ovs-vsctl add-port br0 ens2f1 trunks=904

Create bond

ovs-vsctl add-bond br0 bond0 ens2f0 ens2f1 vlan\_mode=trunk bond\_mode=balance−slb mcast-snooping-flood=true

ovs-vsctl set port bond0 bond\_mode=active-backup

ovs-vsctl add-bond br0 bond0 ens2f0 ens2f1 trunks=all

Enable LACP

ovs-vsctl set port bond0 lacp=active

Test bond

ovs-appctl bond/show bond0

Change multicat options

ovs-vsctl set port bond0 other\_config:mcast-snooping-flood-unregistered=true

ovs-vsctl set Bridge br0 other\_config:mcast-snooping-flood-unregistered=true

ovs-vsctl set Bridge br0 other\_config:mcast-snooping-aging-time=300

ovs-vsctl set port bond0 other\_config:mcast-snooping-aging-time=300

ovs\-vsctl set Bridge br0 other\_config:mcast-snooping-table-size=2048

ovs\-vsctl set Bridge br0 mcast\_snooping\_enable=false

Show MAc Table

ovs-appctl fdb/show br0

Show MCAST table

ovs-appctl mdb/show br0

Show Bridge info

ovs-vsctl list bridge

Default Flows

ovs-ofctl add-flow br0 "table=0, priority=0, actions=NORMAL"

Multicat test

ovs-appctl ofproto/trace br0 in\_port=1,dl\_dst=90:12:34:56:78:90,dl\_vlan=811

Tshark

tshark -i br0 igmp

OMPING

omping -m 239.1.1.90 219.0.203.44 219.0.203.45

omping -m 239.1.1.90 219.0.203.44 219.0.203.45

ovs-ofctl add-flow br0 \

"table=0, dl\_src=01:00:00:00:00:00/01:00:00:00:00:00, actions=flood"