KVM

KVM +QEMU

CPU VT AMD-V

[1]	

```
[root@dlp ~]# dnf -y install qemu-kvm libvirt virt-install
# confirm modules are loaded
[root@dlp ~]# lsmod | grep kvm
kvm_intel              331776  0
kvm                   1019904  1 kvm_intel
irqbypass              16384  1 kvm


[root@dlp ~]# systemctl enable --now libvirtd
```

[2]	KVM Bridge
	[enp1s0]

```
# add bridge [br0]
[root@dlp ~]# nmcli connection add type bridge autoconnect yes con-name br0 ifname br0
Connection 'br0' (80672c58-969e-4e7e-9e09-c4baa6117afb) successfully added.
# set IP address for [br0]
[root@dlp ~]# nmcli connection modify br0 ipv4.addresses 10.0.0.30/24 ipv4.method manual
# set Gateway for [br0]
[root@dlp ~]# nmcli connection modify br0 ipv4.gateway 10.0.0.1
# set DNS for [br0]
[root@dlp ~]# nmcli connection modify br0 ipv4.dns 10.0.0.10
# set DNS search base for [br0]
[root@dlp ~]# nmcli connection modify br0 ipv4.dns-search srv.world
# remove the current interface
[root@dlp ~]# nmcli connection del enp1s0
# add the removed interface again as a member of [br0]
[root@dlp ~]# nmcli connection add type bridge-slave autoconnect yes con-name enp1s0 ifname
enp1s0 master br0
# restart
[root@dlp ~]# reboot
[root@dlp ~]# ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen
```

```
1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp1s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel master br0 state UP
group default qlen 1000
    link/ether 52:54:00:aa:86:00 brd ff:ff:ff:ff:ff:ff
3: br0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
qlen 1000
    link/ether 9a:7e:5f:73:79:d6 brd ff:ff:ff:ff:ff:ff
    inet 10.0.0.30/24 brd 10.0.0.255 scope global noprefixroute br0
       valid_lft forever preferred_lft forever
```