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Standalone bridge:

```
### ifcfg-ovsbridge0 ###  
DEVICE=ovsbridge0  
ONBOOT=yes  
DEVICETYPE=ovs  
TYPE=OVSBridge  
BOOTPROTO=static  
IPADDR=A.B.C.D  
NETMASK=X.Y.Z.0  
HOTPLUG=no  
STP=on
```

Enable DHCP on the bridge:

- Needs OVSBOTPROTO instead of BOOTPROTO.
- All the interfaces that can reach the DHCP server as a space separated list in OVSDHCPINTERFACES.

```
DEVICE=ovsbridge0  
ONBOOT=yes  
DEVICETYPE=ovs  
TYPE=OVSBridge  
OVSBOTPROTO="dhcp"  
OVSDHCPINTERFACES="eth0"  
HOTPLUG=no
```

Adding Internal Port to ovsbridge0:

```
### ifcfg-intbr0 ###  
DEVICE=intbr0  
ONBOOT=yes  
DEVICETYPE=ovs  
TYPE=OVSPort  
OVS_BRIDGE=ovsbridge0  
HOTPLUG=no
```

Internal Port with fixed IP address:

```
DEVICE=intbr0  
ONBOOT=yes  
DEVICETYPE=ovs  
TYPE=OVSPort  
OVS_BRIDGE=ovsbridge0  
BOOTPROTO=static
```

```
IPADDR=A.B.C.D
NETMASK=X.Y.Z.0
HOTPLUG=no
```

Internal Port with DHCP:

- Needs OVSBOOTPROTO or BOOTPROTO.
- All the interfaces that can reach the DHCP server as a space separated list in OVSDHCPINTERFACES.

```
DEVICE=intbr0
ONBOOT=yes
DEVICETYPE=ovs
TYPE=OVSPort
OVS_BRIDGE=ovsbridge0
OVSBOOTPROTO="dhcp"
OVSDHCPINTERFACES="eth0"
HOTPLUG=no
```

Adding physical eth0 to ovsbridge0 described above:

```
### ifcfg-eth0 ###
DEVICE=eth0
ONBOOT=yes
DEVICETYPE=ovs
TYPE=OVSPort
OVS_BRIDGE=ovsbridge0
BOOTPROTO=none
HOTPLUG=no
```

Tagged VLAN interface on top of ovsbridge0:

```
### ifcfg-vlan100 ###
DEVICE=vlan100
ONBOOT=yes
DEVICETYPE=ovs
TYPE=OVSPort
BOOTPROTO=static
IPADDR=A.B.C.D
NETMASK=X.Y.Z.0
OVS_BRIDGE=ovsbridge0
OVS_OPTIONS="tag=100"
OVS_EXTRA="set Interface $DEVICE external-ids:iface-id=$(hostname -s) - $DEVICE-vif"
HOTPLUG=no
```

Bonding:

```
### ifcfg-bond0 ###
DEVICE=bond0
ONBOOT=yes
DEVICETYPE=ovs
TYPE=OVSBond
OVS_BRIDGE=ovsbridge0
BOOTPROTO=none
BOND_IFACES="gige-1b-0 gige-1b-1 gige-21-0 gige-21-1"
OVS_OPTIONS="bond_mode=balance-tcp lacp=active"
HOTPLUG=no

### ifcfg-gige-* ###
DEVICE=gige-*
ONBOOT=yes
HOTPLUG=no
```

An Open vSwitch Tunnel:

```
### ifcfg-gre0 ###
DEVICE=ovs-gre0
ONBOOT=yes
DEVICETYPE=ovs
TYPE=OVSTunnel
OVS_BRIDGE=ovsbridge0
OVS_TUNNEL_TYPE=gre
OVS_TUNNEL_OPTIONS="options:remote_ip=A.B.C.D"
```

Patch Ports:

```
### ifcfg-patch-ovs-0 ###
DEVICE=patch-ovs-0
ONBOOT=yes
DEVICETYPE=ovs
TYPE=OVSPatchPort
OVS_BRIDGE=ovsbridge0
OVS_PATCH_PEER=patch-ovs-1

### ifcfg-patch-ovs-1 ###
DEVICE=patch-ovs-1
ONBOOT=yes
DEVICETYPE=ovs
TYPE=OVSPatchPort
OVS_BRIDGE=ovsbridge1
OVS_PATCH_PEER=patch-ovs-0
```

fake bridge configuration

```
DEVICE=vlan65
DEVICETYPE=ovs
TYPE=OVSBridge
ONBOOT=yes
BOOTPROTO=static
STP=off
NM_CONTROLLED=no
HOTPLUG=no
OVS_EXTRA="br-set-external-id $DEVICE bridge-id $DEVICE"
OVS_OPTIONS="br0 65"
```

Variation of fake bridge

```
### ifcfg-vlan100 ###
DEVICE=vlan12
ONBOOT=yes
DEVICETYPE=ovs
TYPE=OVSPort
BOOTPROTO=static
IPADDR=A.B.C.D
NETMASK=X.Y.Z.0
OVS_BRIDGE=ovsbr
OVS_OPTIONS="tag=12"
OVS_EXTRA="set Interface $DEVICE external-ids:iface-id=$(hostname -s) -
$DEVICE-vif"
HOTPLUG=no
```

참조링크

- <https://github.com/openvswitch/ovs/blob/master/rhel/README.RHEL.rst>

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