



# OVSNFV Guides and Installation

*Release draft (8d3af44)*

**OPNFV**

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## OPEN VSWITCH

Open vSwitch (OVS) is a software switch commonly used in OpenStack deployments to replace Linux bridges as it offers advantages in terms of mobility, hardware integration and use by network controllers.

### 1.1 Supported OPNFV Installers

Currently not all installers are supported.

#### 1.1.1 Fuel Installer

OVSNFV project supplies a Fuel Plugin to upgrade Open vSwitch on an OPNFV installation to use user-space datapath.

As part of the upgrade the following changes are also made:

- change libvirt on compute node to 1.2.12
- change qemu on compute node to 2.2.1
- installs DPDK 2.0.0
- installs OVS 2.1 (specifically git tag 1e77bbe)
- removes existing OVS neutron plugin
- installs new OVS plugin as part of networking\_ovs\_dpdk OpenStack plugin version stable/kilo
- work around `_set_device_mtu` issue

#### 1.1.2 Limitations

This release should be considered experimental. In particular:

- performance will be addressed specifically in subsequent releases.
- OVS and other components are updated only on compute nodes.

#### 1.1.3 Bugs

- There may be issues assigning floating and public ip address to VMs.