NAME
ovs–kmod–ctl – OVS startup helper script for loading kernel modules

SYNOPSIS
ovs–kmod–ctl insert
ovs–kmod–ctl remove
ovs–kmod–ctl help | –h | —help
ovs–kmod–ctl —version
ovs–kmod–ctl version

DESCRIPTION
The ovs–kmod–ctl program is responsible for inserting and removing Open vSwitch kernel modules. It is
not meant to be invoked directly by system administrators but to be called internally by system startup
scripts. The script is used as part of an SELinux transition domain.

Each of ovs–kmod–ctl’s commands is described separately below.

The “insert” command
The insert command loads the Open vSwitch kernel modules, if needed. If this fails, and the Linux bridge
module is loaded but no bridges exist, it tries to unload the bridge module and tries loading the Open
vSwitch kernel module again.

The “remove” command
The remove command unloads the Open vSwitch kernel module (including the bridge compatibility mod-
ule, if loaded) and any associated vport modules.

EXIT STATUS
ovs–kmod–ctl exits with status 0 on success and nonzero on failure. The insert command is considered to
succeed if kernel modules are already loaded; the remove command is considered to succeed if none of the
kernel modules are loaded.

ENVIRONMENT
The following environment variables affect ovs–kmod–ctl:

PATH ovs–kmod–ctl does not hardcode the location of any of the programs that it runs. ovs–kmod–ctl
will add the sbindir and bindir that were specified at configure time to PATH, if they are not al-
ready present.

OVS_LOGDIR
OVS_RUNDIR
OVS_DBDIR
OVS_SYSCONFDIR
OVS_PKGDATA
OVS_BINDIR
OVS_SBINDIR

Setting one of these variables in the environment overrides the respective configure option, both
for ovs–kmod–ctl itself and for the other Open vSwitch programs that it runs.

FILES
ovs–kmod–ctl uses the following files:

ovs–lib Shell function library used internally by ovs–kmod–ctl. It must be installed in the same directory
as ovs–kmod–ctl.

EXAMPLE
ovs–kmod–ctl isn’t intended to be manually executed. However, the following examples demonstrate
loading the kernel modules.

ovs–kmod–ctl insert
 Attempts to insert the Open vSwitch kernel modules.
ovs−kmod−ctl remove
Attempts to remove the Open vSwitch kernel modules.

SEE ALSO
README.rst, ovs−ctl(8)