## NAME

ovs-tcpdump – Dump traffic from an Open vSwitch port using tcpdump

## SYNOPSIS

**ovs−tcpdump −i <port> <tcpdump options>...**

## DESCRIPTION

**ovs−tcpdump** creates switch mirror ports in the **ovs−vswitchd** daemon and executes **tcpdump** to listen against those ports. When the **tcpdump** instance exits, it then cleans up the mirror port it created.

**ovs−tcpdump** will not allow multiple mirrors for the same port. It has some logic to parse the current configuration and prevent duplicate mirrors.

The **−i** option may not appear multiple times.

It is important to note that under Linux−based kernels, tap devices do not receive packets unless the specific tuntap device has been opened by an application. This requires **CAP_NET_ADMIN** privileges, so the **ovs−tcpdump** command must be run as a user with such permissions (this is usually a super−user).

## OPTIONS

- **−h** or **−−help**

  Prints a brief help message to the console.

- **−V** or **−−version**

  Prints version information to the console.

- **−−db−sock <socket>**

  The Open vSwitch database socket connection string. The default is **unix:<rundir>/db.sock**.

- **−−dump−cmd <command>**

  The command to run instead of **tcpdump**.

- **−i** or **−−interface**

  The interface for which a mirror port should be created, and packets should be dumped.

- **−−mirror−to**

  The name of the interface which should be the destination of the mirrored packets. The default is **mi<port>**.

- **−−span**

  If specified, mirror all ports (optional).

## SEE ALSO

**ovs−appctl(8)**, **ovs−vswitchd(8)**, **ovs−pcap(1)**, **ovs−tcpundump(1)**, **tcpdump(8)**, **wireshark(8)**.

## AUTHOR

The Open vSwitch Development Community

## COPYRIGHT