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).

• --filter <flow>

If specified, only mirror packets that match the provided OpenFlow filter. The available fields are documented in **ovs-fields**(7).

SEE ALSO

 $ovs-appctl(8),\ ovs-vswitchd(8),\ ovs-pcap(1),\ ovs-fields(7),\ ovs-tcpundump(1),\ tcpdump(8),\ wire-shark(8).$

AUTHOR

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