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 ALSC

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

AUTHOR

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