

~~patch~~ in ovs to include queue length
in queue stats

① ovs/lib/netdev-linux.c

in function tc-parse-class()

after line #5239 stats → tx-errs = gsq → drefs

add + stats → qlen = gsq → qlen

② openflow-1.3.h (ovs/include/openflow/openflow-1.3.h)

— # 304 OFP_ASSERT(sizeof(struct ofp13-queue-stats) == 40);

+ # 304 OFP_ASSERT(sizeof(struct ofp13-queue-stats) == 40);

③ ovs/include/openflow/openflow-1.4.h

— # 234 OFP_ASSERT(sizeof(struct ofp14-queue-stats) == 48);

+ # 234 OFP_ASSERT(sizeof(struct ofp14-queue-stats) == 56);

④ ovs/include/openvswitch/ofp-queue.h

in struct ofp14-queue-stats
+ # (74/75) uint64_t qlen;

⑤ ofp-queue.c (ovs/lib/ofp-queue.c)

~~patch~~ in function ofp14-queue-stats-from-ofp11()

+ # 680 oqs → qlen = htonl(qs11 → qlen)

in function ofp14-queue-stats-to-ofp11()

+ # 803 qs11 → qlen = htonl(oqs → qlen);

in function ofp14-queue-stats-reply-format()

+ # 916 print-queue-stat(string, "qlen =", qs.qlen, 1);

① ovs/ lib/ netdev.h

— in struct netdev-queue-stats

+ # (339/340) uint64_t qlen;

② ovs/ ofproto/ofproto.c

— in function put_queue_stats()

+ # 6809 ovs.qlen = stats->qlen;

③ ovs/ include/openflow/openflow-1.1.h

— in struct ofp11_queue_stats

+ # 523 ovs_besh qlen;

— after struct ofp11_queue_stats

+ # 525 OFF_ASSERT(sizeof(struct ofp11_queue_stats) == 32);

+ # (525/526) OFF_ASSERT(sizeof(struct ofp11_queue_stats) == 16);