RYU Patch

- ryu/ryu/ofproto/
  - ofproto_v1_0.py – OF V 1.0 definitions, constants etc..
  - ofproto_v1_3.py – OF V 1.3 def, constants etc.

→ Corresponding parser files are the OF implementations

→ 'IIQQQII' – current queue stats struct

→ size = 40

→ unsigned int (4)

→ unsigned long long (8)

8×8 + 4×4

64+24 = 40

change this to

ryu/ofproto_v1_3.py

#637

struct ofp_queue_stats

OFP_QUEUE_STATS_PACK_STR = '!IIQQQQII'

OFP_QUEUE_STATS_SIZE=48

!IIQQQQII

- ! → big-endian (network)
- I → port_no
- I → queue_id
- Q → tx_bytes
- Q → tx_packets
- Q → tx_errors
- Q → duration_sec
- I → duration_nsec
- I → pad

size = 48

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ryu/ofproto/ofproto_v1_3_parser.py

4459

change ofproto_parser.namedtuple()

and add qlen

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line 4465 of ofproto_v1_3_parser.py

→ Recompile Ryu using

python ./setup.py install

→ sudo ovs-ctl start

to start OVS daemons next time

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