Setup:

OVS Configuration:

```
1dc46ccc-ec83-462c-8902-437c066fd421
Bridge ovsbr3
  Port p0
    Interface p0
  Port ovsbr3
    Interface ovsbr3
      type: internal
  Port en3f0pf0sf2
    Interface en3f0pf0sf2
Bridge ovsbr1
  Port en3f0pf0sf0
    Interface en3f0pf0sf0
  Port ovsbr1
    Interface ovsbr1
      type: internal
Bridge ovsbr2
  Port en3f0pf0sf1
    Interface en3f0pf0sf1
  Port pf0hpf
    Interface pf0hpf
  Port ovsbr2
    Interface ovsbr2
      type: internal
ovs_version: "2.17.8-3feree121f"
```
SF Configuration:

```
pci/0000:03:00.0/163840: type eth netdev en3f0p0fsf0 flavour pcisf controller 0 pfnum 0 sfnum 0
   function:
   hw_addr 02:77:f2:ca:9c:36 state active opstate attached roce true max_uc_macs 128 trust off
pci/0000:03:00.0/163841: type eth netdev en3f0p0fsf1 flavour pcisf controller 0 pfnum 0 sfnum 1
   function:
   hw_addr 06:00:00:00:04:01 state active opstate attached roce true max_uc_macs 128 trust on
pci/0000:03:00.0/163842: type eth netdev en3f0p0fsf2 flavour pcisf controller 0 pfnum 0 sfnum 2
   function:
   hw_addr 06:00:00:00:04:02 state active opstate attached roce true max_uc_macs 128 trust on
```

Manually added rules:

```
root@updraftpul:~# /home/ubuntu/DOCA-Development/DPU_Experimental_Setup# ovs-ofctl dump-flows ovsbr2
   cookie=0x0, duration=714.737s, table=0, n_packets=108549, n_bytes=699876, in_port=p0 acciones=output:en3f0p0fsf1
   cookie=0x0, duration=0.046s, table=0, n_packets=67576, n_bytes=608628987, in_port=en3f0p0fsf1 acciones=output:p0hpf
root@updraftpul:~# /home/ubuntu/DOCA-Development/DPU_Experimental_Setup# ovs-ofctl dump-flows ovsbr3
   cookie=0x0, duration=688.476s, table=0, n_packets=10849, n_bytes=698876, in_port=en3f0p0fsf2 acciones=output:p0
   cookie=0x0, duration=572.665s, table=0, n_packets=70436, n_bytes=613463144, in_port=p8 acciones=output:en3f0p0fsf2
```

flow_acl:

```
!/build/docs_flow_acl --cores=8,1 --auxiliary=mlx5_core.sf, dv_flow_en=2 --auxiliary=mlx5_core.sf, dv_flow_en=2
```

Iperf Output:

```
[ ID] Interval Transfer Bitrate Retr   
[ 5] 0.00-10.00 sec 487 MBytes 409 Mbits/sec 2928 sender
[ 5] 0.00-10.04 sec 476 MBytes 398 Mbits/sec receiver
```