Data path for vNFs (Offload Accelerators)
vNF Fast Path (Traditional)

- Non OF based DP.
- Every new offload accelerator requires support by iNIC/AIOP, proxy in the host Linux.
vNF Fast Path (OF based)

- OF based DP.
- No OF Channel.
- Every offload accelerator require host Linux proxy.
- New vNFs that has proprietary offload don’t work until host Linux supports it.
vNF Fast Path (OF based)

- Move data path to iNIC/AIOP
- OF based FP
  - iNIC to have only OF DP modules
  - One OF LS for VMs requiring fast path.
  - Independent of type of vNFs running.
  - Personality of DP is defined by vNF.
- High throughput, Low latency and low jitter
- OF Channel Endpoint in vNF and other end in host Linux (Virtualization Layer)
- Glue layer to integrate with popular open source.

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*No changes in host Linux on per offload accelerator basis. If vNF supports OF based CP/DP, it can work with any personality with no host changes.*