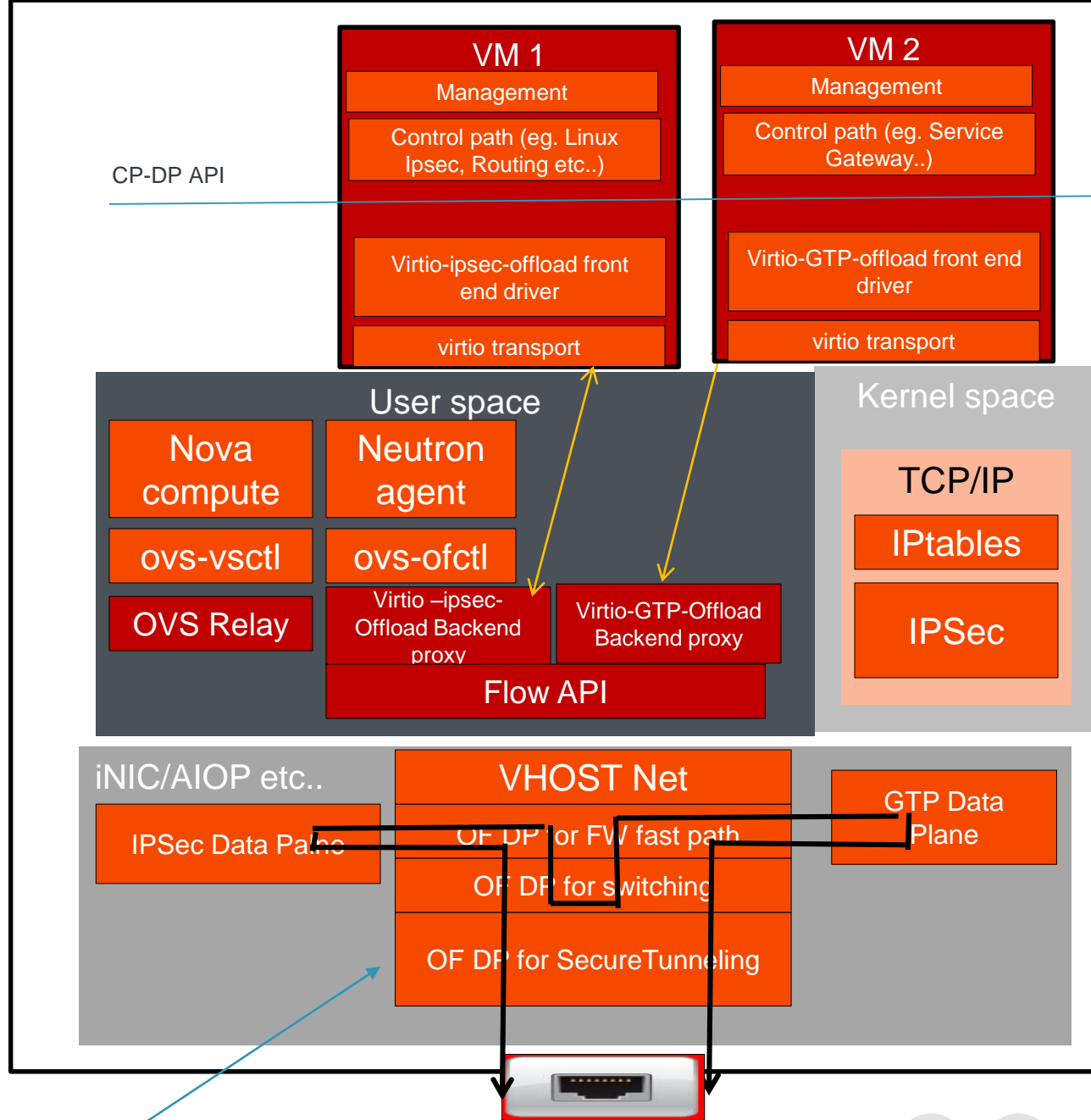


# Data path for vNFs (Offload Accelerators)



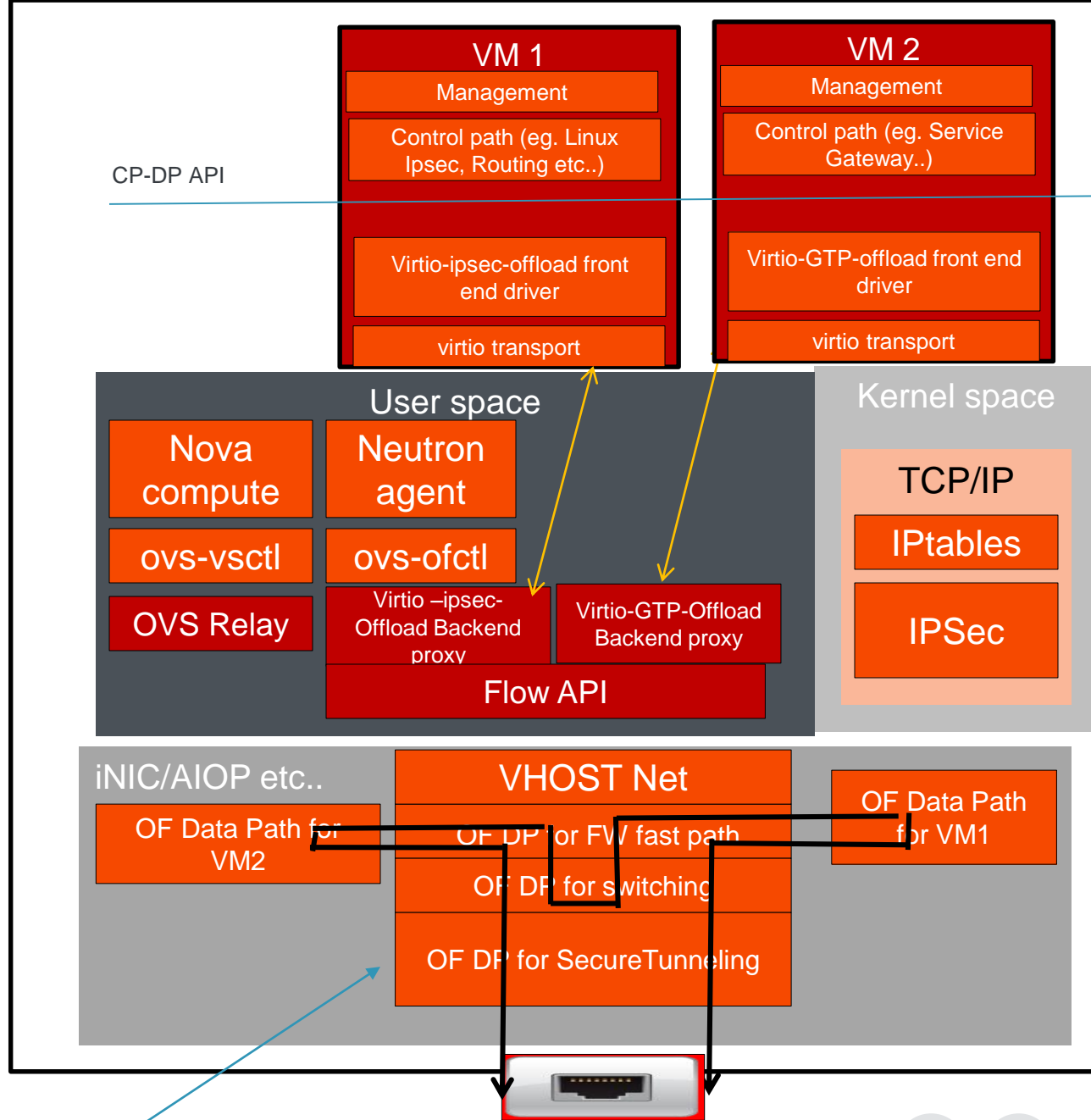
# vNF Fast Path (Traditional)

- 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.

*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.*

