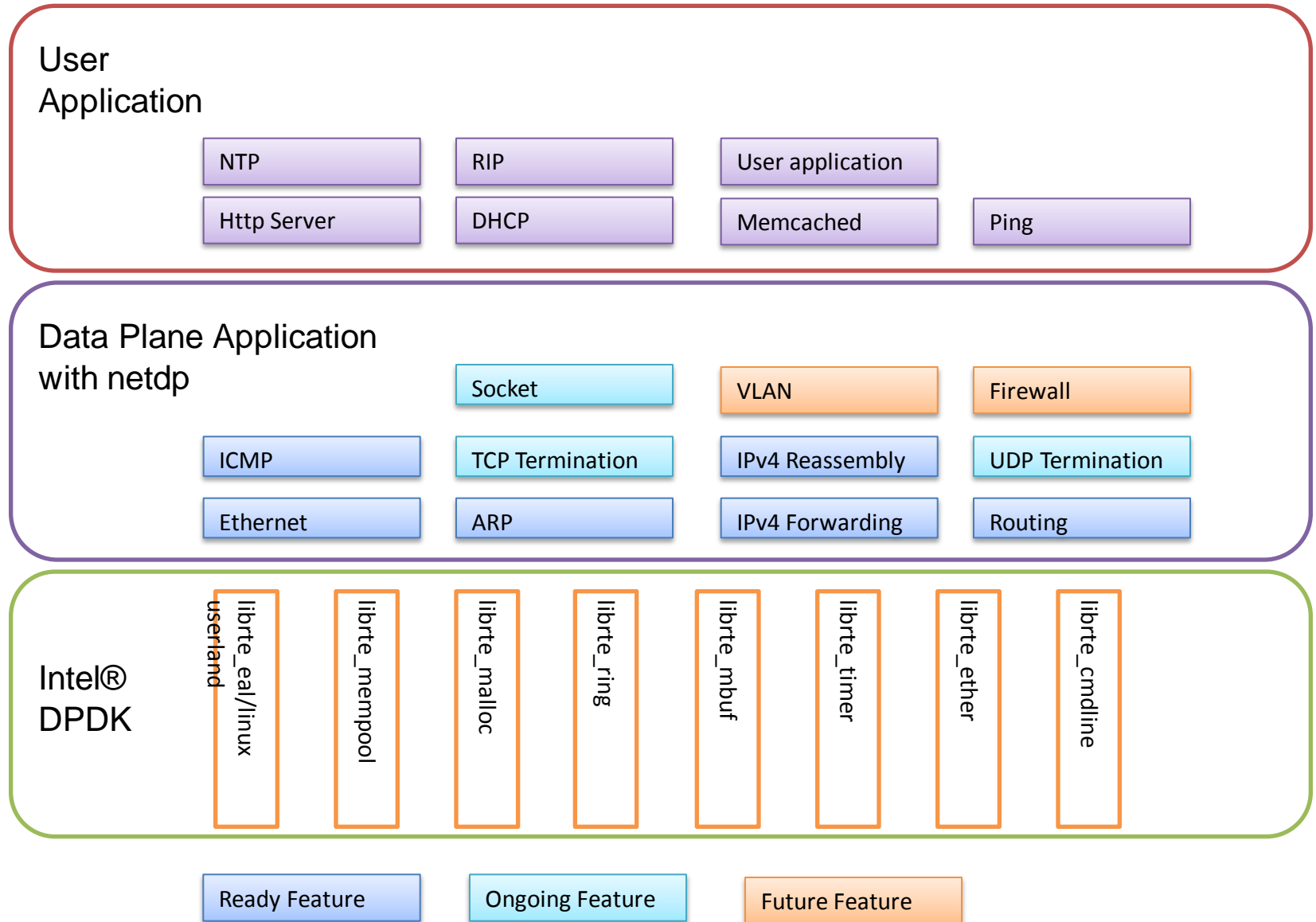


NETDP Architecture

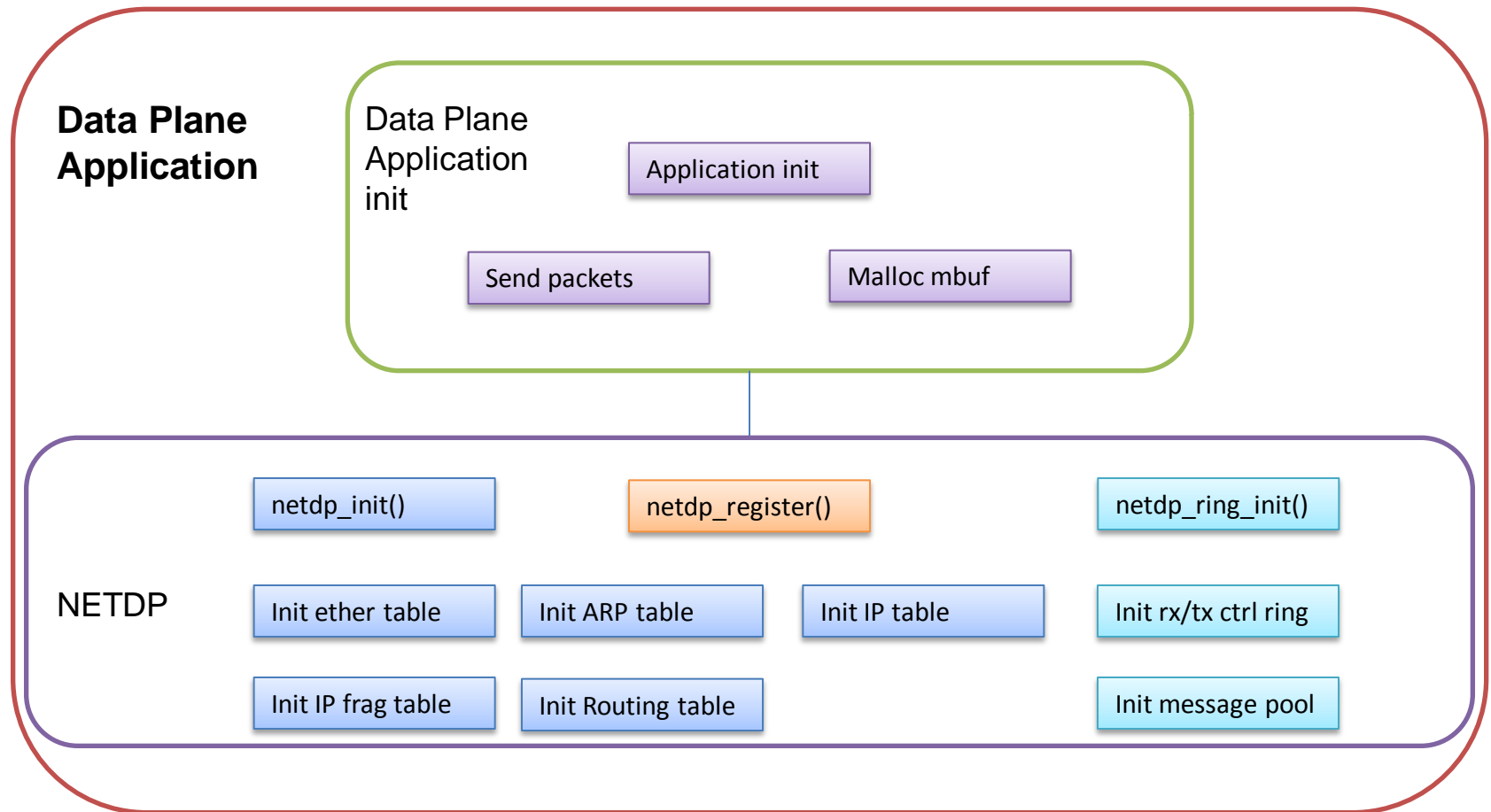
Develop team: Zimeiw

<https://github.com/dpdk-net/netdp>

NETDP Architecture on Intel® DPDK

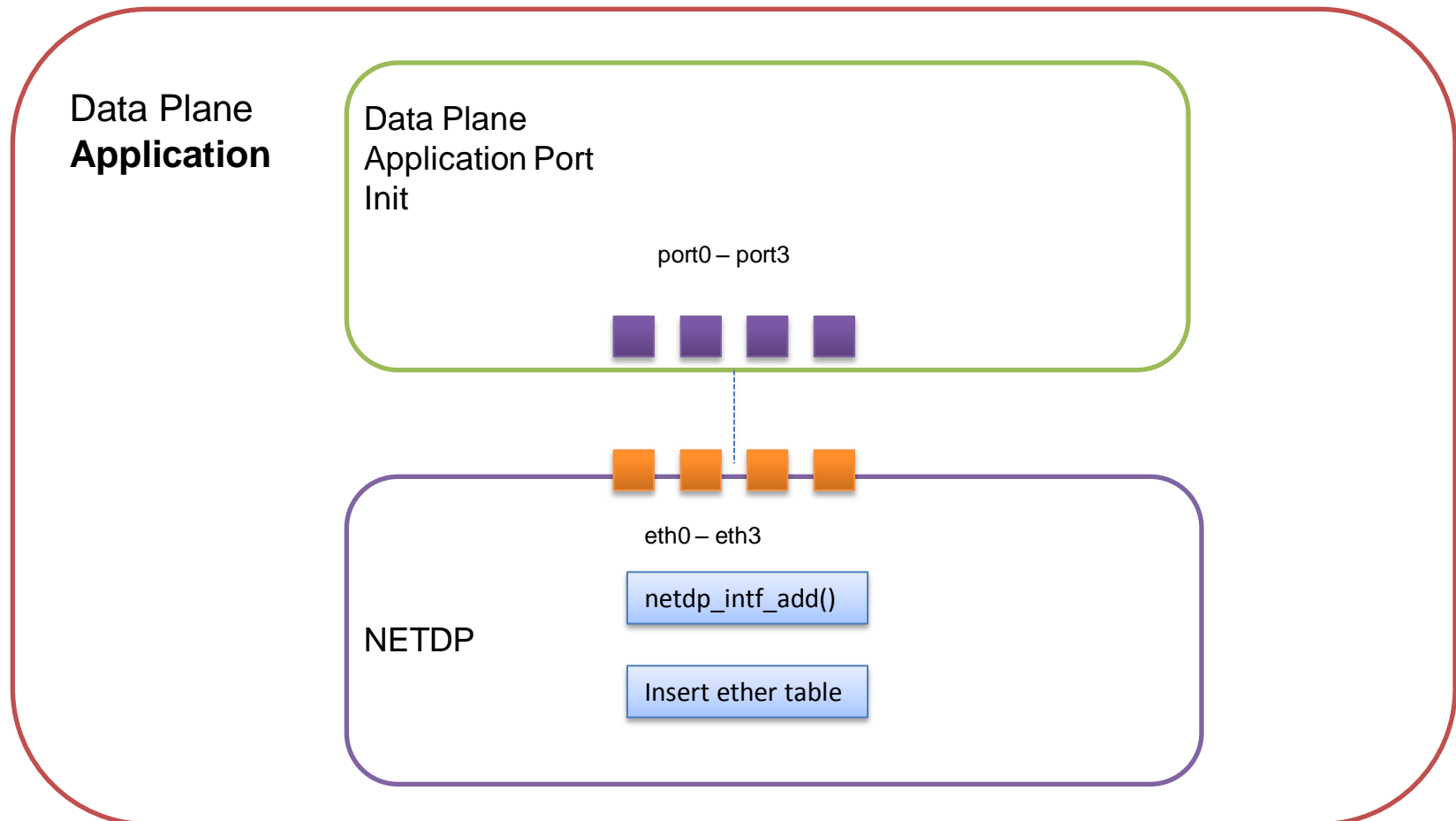


NETDP Init



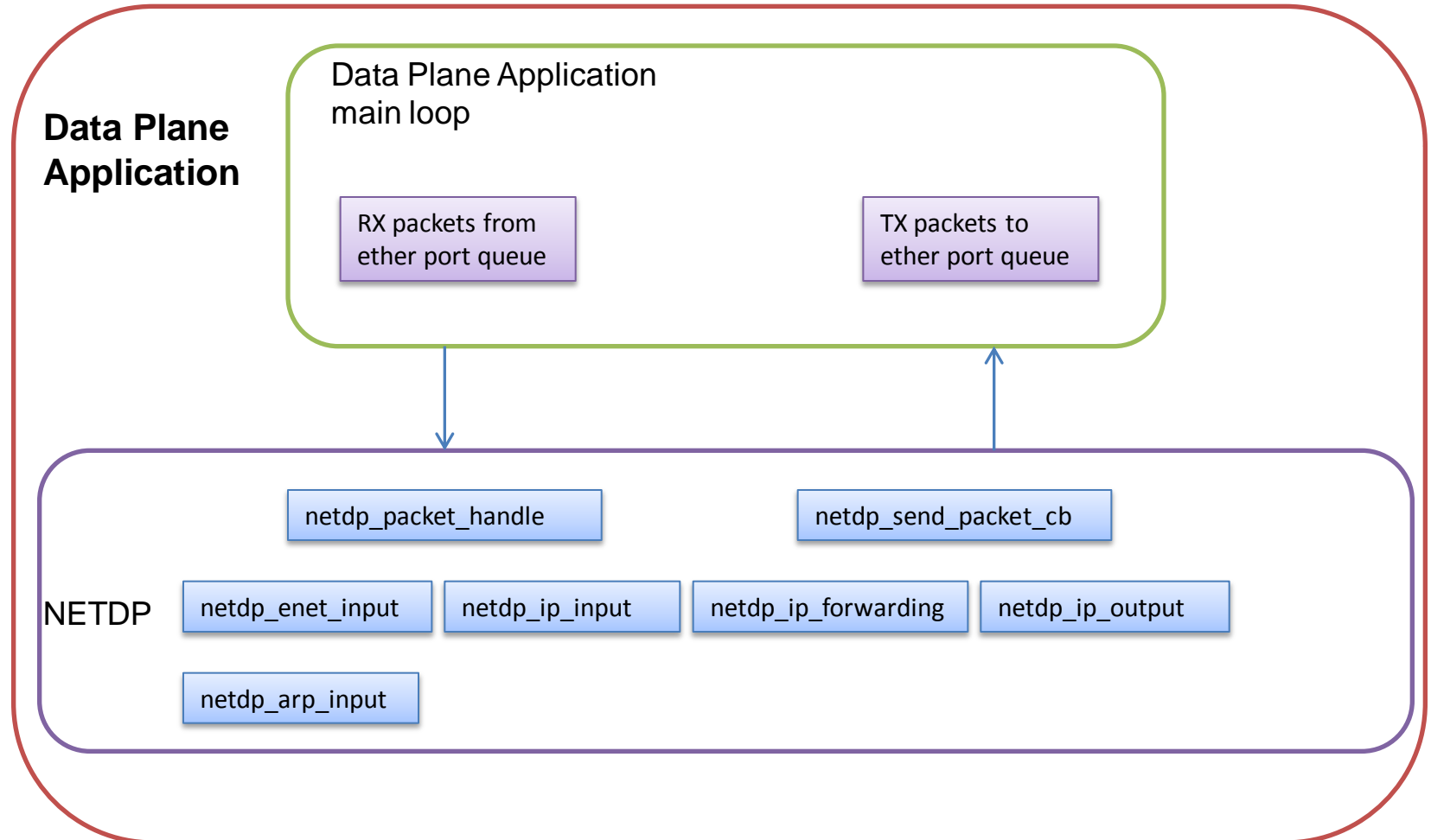
- Data plane application shall compile with netdp static lib.
- NETDP isn't a process, it is run in data plane application.
- Data plane application shall init NETDP and register two callback function for netdp sending packets and malloc mbuf after startup.

NETDP ether interface creation



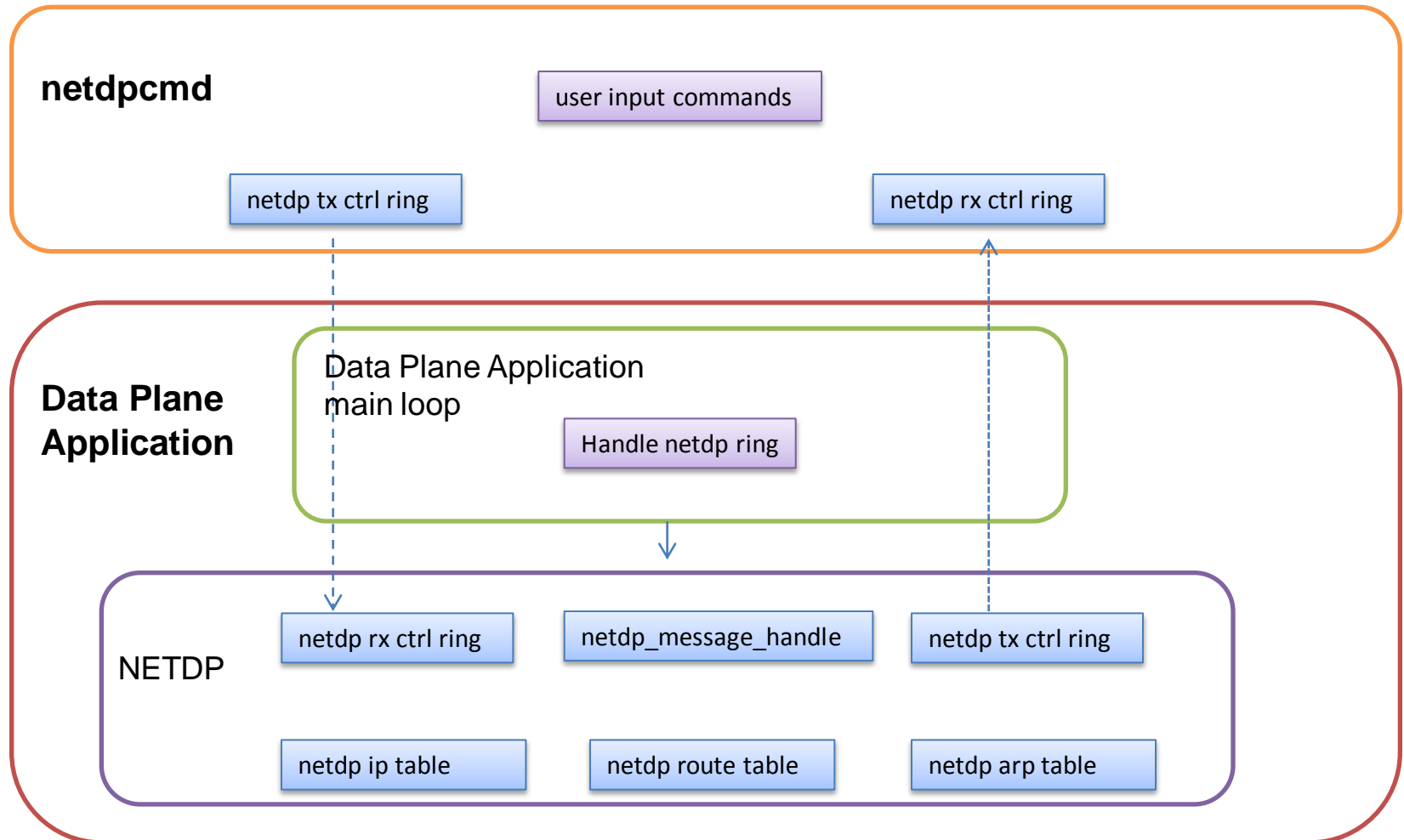
- When data plane application init ether port, shall add corresponding interface with MAC address to netdp.

NETDP traffic forwarding



- When receive packets from ether port queue in data plane application main loop, shall forward it to netdp.
- Netdp invoke callback function to send packets to ether port queue.

NETDP IP and routing configuration



- Data plane application shall invoke netdp message handle function in main loop.
- User could input commands by netdpcmd tools, the commands would transfer to netdp by ctrl ring.