

net_device
(vif1.0)

xenvif
• * queues

.ndo_start_xmit = **xenvif_start_xmit**

I. Select a queue for the skb to be sent

II. Wake up the queue's kthread

kthread
vif1.0-q0-guest-rx

RX Ring Buffer
queue 0

kthread
vif1.0-q1-guest-rx

RX Ring Buffer
queue 1

... ..

kthread
vif1.0-q[n]-guest-rx

RX Ring Buffer
queue [n]

xen-netfront

- Pre-produce request
- Consume response

xennet_rx_interrupt
queue[0].napi->poll=**xennet_poll**

xennet_rx_interrupt
queue[1].napi->poll=**xennet_poll**

xennet_rx_interrupt
queue[n].napi->poll=**xennet_poll**

xen-netback

- Consume Request
- Produce Response