

# Who's listening?

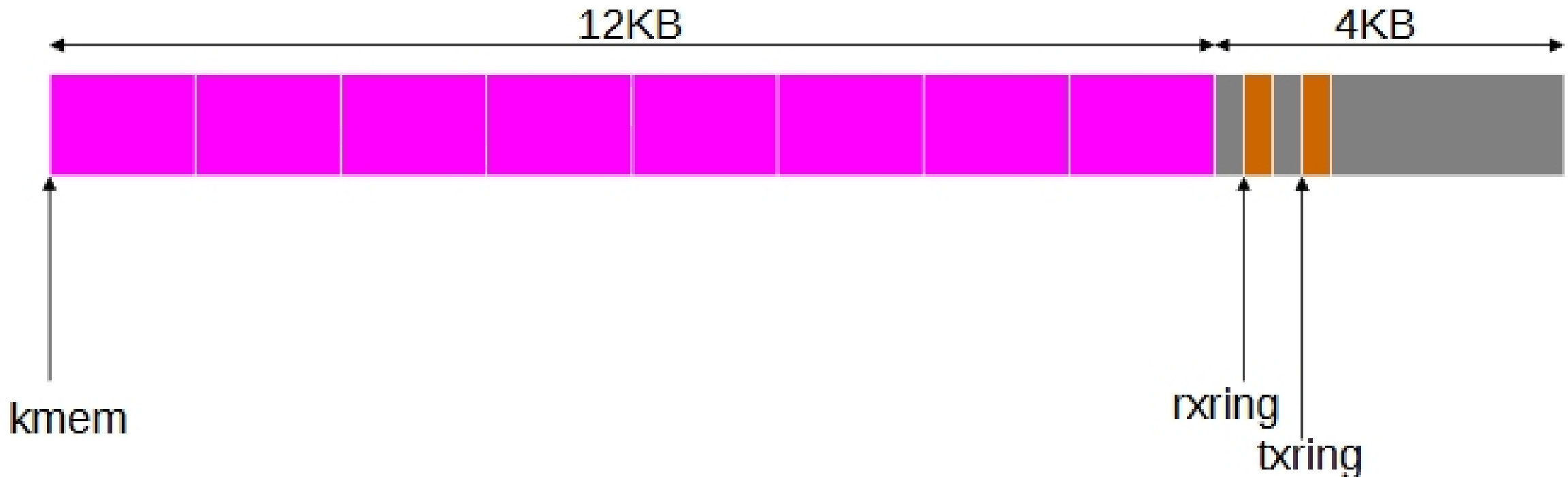
Some experiments with an 'echo' service on our anchor-cluster's local network of 82573L nic's

# 'nicecho.c'

- Module uses a set of eight packet-buffers
- Same buffer is used for both RX and TX
- The NIC operates in “promiscuous” mode
- Interrupt-handler ‘reflects’ each received packet back to the station it came from
- Pseudo-file shows both descriptor-queues

# Memory-layout

```
#define KMEM_SIZE      (4<<12)    // 16KB kernel memory allocation
```



*Each of the 8 packet-buffers has size 1536 bytes (=0x600)  
Each of descriptor-table occupies 8\*(16 bytes) =128 bytes*