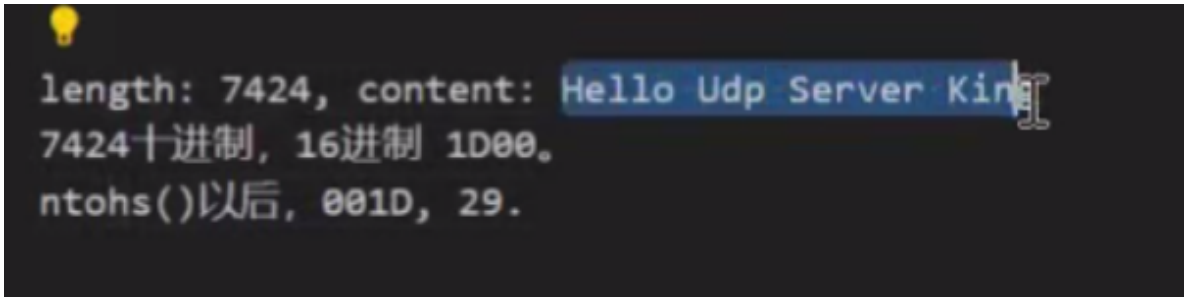
recv结果：



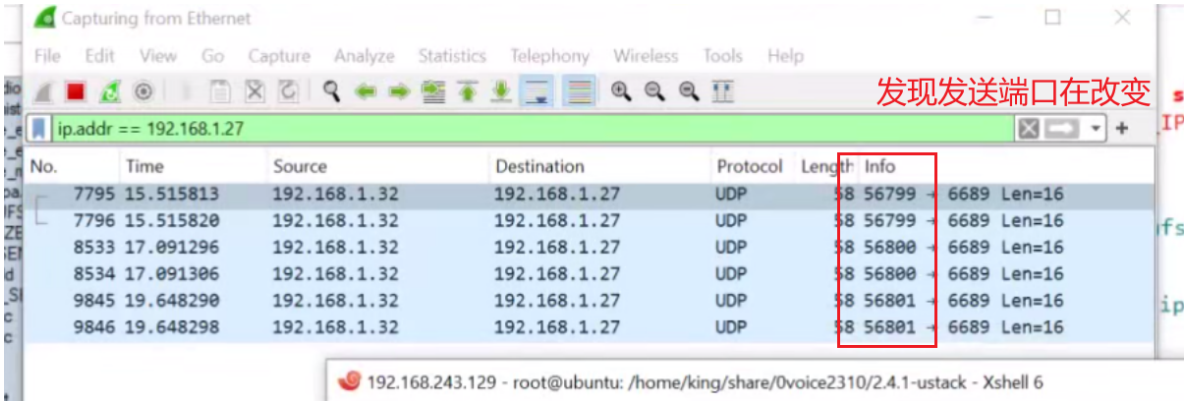
ntohs：n代表网络，h代表本地（host），s代表short类型

```
//这里对比着ipv4头部一个一个拼出来
//小端存储
iphdr->version_ihl = 0x54; //版本+首部长度
iphdr->type_of_service = 0x0;
iphdr->total_length = htons(total_length - sizeof(struct rte_ether_hdr));
iphdr->packet_id = 0;
iphdr->fragment_offset = 0;
iphdr->time_to_live = 0;
iphdr->next_proto_id = IPPROTO_UDP;
iphdr->src_addr = gSrcIp;
iphdr->dst_addr = gDstIp;

iphdr->hdr_checksum = 0;
iphdr->hdr_checksum = rte_ipv4_cksum(iphdr);
```

bug：udp_send实现了后测试的时候，网络助手可以发送但收不到数据，怎么办？

答：此时需要抓包分析


Capturing from Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
发现发送端口在改变
ip.addr == 192.168.1.27
No. Time Source Destination Protocol Length Info
7795 15.515813 192.168.1.32 192.168.1.27 UDP 58 56799 → 6689 Len=16
7796 15.515820 192.168.1.32 192.168.1.27 UDP 58 56799 → 6689 Len=16
8533 17.091296 192.168.1.32 192.168.1.27 UDP 58 56800 → 6689 Len=16
8534 17.091306 192.168.1.32 192.168.1.27 UDP 58 56800 → 6689 Len=16
9845 19.648290 192.168.1.32 192.168.1.27 UDP 58 56801 → 6689 Len=16
9846 19.648298 192.168.1.32 192.168.1.27 UDP 58 56801 → 6689 Len=16
192.168.243.129 - root@ubuntu: /home/king/share/0voice2310/2.4.1-ustack - Xshell 6