

Duplicate pings from SLAC to www.cern.ch sniffer (tcpdump) trace

We ran ping request from pinger.slac.stanford.edu to www.cern.ch and watched the traffic with tcpdump. It is seen that each request results in 3 responses from webr7.cern.ch (137.138.144.168).

```
56cottrell@pinger:~$sudo tcpdump 'icmp'
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on eth0, link-type EN10MB (Ethernet), capture size 65535 bytes
01:47:40.544350 IP pinger.slac.stanford.edu > webr7.cern.ch: ICMP echo request, id 8750, seq 42, length 64
01:47:40.720681 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 42, length 64
01:47:40.720701 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 42, length 64
01:47:40.720707 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 42, length 64
01:47:41.545378 IP pinger.slac.stanford.edu > webr7.cern.ch: ICMP echo request, id 8750, seq 43, length 64
01:47:41.722537 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 43, length 64
01:47:41.722557 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 43, length 64
01:47:41.722780 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 43, length 64
01:47:42.546381 IP pinger.slac.stanford.edu > webr7.cern.ch: ICMP echo request, id 8750, seq 44, length 64
01:47:42.722109 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 44, length 64
01:47:42.722128 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 44, length 64
01:47:42.722134 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 44, length 64
01:47:43.548220 IP pinger.slac.stanford.edu > webr7.cern.ch: ICMP echo request, id 8750, seq 45, length 64
01:47:43.724698 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 45, length 64
01:47:43.724821 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 45, length 64
01:47:43.724832 IP webr7.cern.ch > pinger.slac.stanford.edu: ICMP echo reply, id 8750, seq 45, length 64
^C
16 packets captured
137 packets received by filter
37 packets dropped by kernel
```

Translating the foreign IP name (www.cern.ch) to its IP address.

```
64cottrell@pinger:~$sudo tcpdump -f 'icmp'
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode
listening on eth0, link-type EN10MB (Ethernet), capture size 65535 bytes
02:03:03.187377 IP pinger.slac.stanford.edu > 137.138.144.168: ICMP echo request, id 29278, seq 12, length 64
02:03:03.365112 IP 137.138.144.168 > pinger.slac.stanford.edu: ICMP echo reply, id 29278, seq 12, length 64
02:03:03.365154 IP 137.138.144.168 > pinger.slac.stanford.edu: ICMP echo reply, id 29278, seq 12, length 64
02:03:03.365167 IP 137.138.144.168 > pinger.slac.stanford.edu: ICMP echo reply, id 29278, seq 12, length 64
02:03:03.393464 IP 132.249.193.32 > pinger.slac.stanford.edu: ICMP echo request, id 63805, seq 29696, length 64
02:03:03.393511 IP pinger.slac.stanford.edu > 132.249.193.32: ICMP echo reply, id 63805, seq 29696, length 64
02:03:04.188377 IP pinger.slac.stanford.edu > 137.138.144.168: ICMP echo request, id 29278, seq 13, length 64
02:03:04.365561 IP 137.138.144.168 > pinger.slac.stanford.edu: ICMP echo reply, id 29278, seq 13, length 64
02:03:04.365581 IP 137.138.144.168 > pinger.slac.stanford.edu: ICMP echo reply, id 29278, seq 13, length 64
02:03:04.365690 IP 137.138.144.168 > pinger.slac.stanford.edu: ICMP echo reply, id 29278, seq 13, length 64
02:03:05.189376 IP pinger.slac.stanford.edu > 137.138.144.168: ICMP echo request, id 29278, seq 14, length 64
02:03:05.272524 IP 132.249.193.32 > pinger.slac.stanford.edu: ICMP echo request, id 63805, seq 29696, length 64
02:03:05.272548 IP pinger.slac.stanford.edu > 132.249.193.32: ICMP echo reply, id 63805, seq 29696, length 64
02:03:05.367585 IP 137.138.144.168 > pinger.slac.stanford.edu: ICMP echo reply, id 29278, seq 14, length 64
02:03:05.367606 IP 137.138.144.168 > pinger.slac.stanford.edu: ICMP echo reply, id 29278, seq 14, length 64
02:03:05.367611 IP 137.138.144.168 > pinger.slac.stanford.edu: ICMP echo reply, id 29278, seq 14, length 64
^C
16 packets captured
145 packets received by filter
37 packets dropped by kernel
```