

# Useful Network Diagnostic CLI commands

Useful CLI commands to do network diagnostics with  
tcpdump / tshark etc.

## tcpdump

Command	Description
<code>tcpdump -nni &lt;network-interface&gt; icmp</code>	show icmp packets
<code>tcpdump -nni &lt;network-interface&gt; "icmp[0] == 0"</code>	ICMP type 0 echo reply
<code>tcpdump -nni &lt;network-interface&gt; "icmp[0] == 3"</code>	ICMP destination unreachable
<code>tcpdump -nni &lt;network-interface&gt; "icmp[0] == 4"</code>	ICMP source quench
<code>tcpdump -nni &lt;network-interface&gt; "icmp[0] == 5"</code>	ICMP redirect
<code>tcpdump -nni &lt;network-interface&gt; "icmp[0] == 8"</code>	ICMP echo request
<code>tcpdump -nni &lt;network-interface&gt; "icmp[0] == 11"</code>	ICMP time exceeded
<code>tcpdump -nni &lt;network-interface&gt; "tcp[tcpflags] &amp; (tcp-rst) !=0"</code>	Detect tcp reset and ICMP packets

---

Revision #1

Created 17 April 2024 14:43:58 by Peter Baumann

Updated 17 April 2024 15:08:47 by Peter Baumann