# Cheatography

cheatography.com/boogie/

## Windows Command Line-Networking Cheat Sheet by Mary F. Smith (boogie) via cheatography.com/86236/cs/20743/

ipconfig	Telnet [test for established TCP session]	
ipconfig /displaydns	telnet 104.47.48.36 25	
ipconfig /registerdns	[tests connectivity to email or relay server via port 25]	
ipconfig /flushdns	telnet google.com 80	
ning [de doors the screen]	tests connectivity to a web server via port 80	
ping - [cls clears the screen]	searched for ats.coop mx record = 104.47.48.36	
<pre>ping [name, ip or address]</pre>	default port for telnet is 23 but for smtp it is 25	
-t 192.168.1.144 [conti nuous ping until cease command sent]	netstat [assists with port & session issues]	
-n 10 LT-4151[for 10 replies]	<pre>netstat [reply provides protocol, local IP:port #, n</pre>	
-6 192.1681.1.144 [forces the use of IPv6]	-a [includes listening ports]	
- [edit the packet]	-b [includes applic ation listening 'in bracket	
-f [do not fragment packet] i.e. usage ping -f -l 130	-0 [includes process id for listening applic a:	
0 8.8.8.8	a listening port may be " loc ked " open, b.	
errors if receiver MTU is lower than sender	if a host listens on 0.0.0.0, it will respon	
tracert [all router hops from sen to rec]	-n [places list in numerical order]	
tracert [ip or hostname]	-S provides statis tical inform ation	
-d [drops the dns request]	i.e. IPv4, IPv6, TCP, UDP and ICMP inform at	
-h [changes the max hops]	nbtstat	
pathping [tracert with a 25 sec ping on each hop]	nbtstat name resolution via netbios	
-h [max number of hops]	-C [displays interface and local netbios cache	
	-a [displays the netbios name table of this ho	
arp [address resolution protocol	-S lists open sessions	
arp-a [arp table cached on current host]		
[static - user or system created]	nslookup	
[dynamic - learned from a neighbor]	nslookup [inter active mode]	
<pre>arp-d 192.16 8.1.1 [deletes this address from apr ta ble]</pre>	nslookup www.google.com [returns FQDN]	
* by default the broadcast MAC is FF:FF: FF: FF: FF	opens an intera ctive window allowing other comman	
:FF		
arp -s 192.168.1.1 00-AA-22-BB-33-CC [adds entry to arp ta	set q=mx ats.coop	
ble]	set q=cname ats.coop	

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Page 1 of 2.

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#### route

route	print
TOULE	print

route	delete	192.168.1.1	

route add 192.168.1.1

 $^{\ast}\,\text{route}$  table should always have the default route of 0.0.0.0 to 10.0.0.

2

#### Still Pending

pathping

netdiag

hostname

Other Tools		
speedtest.com	throughput tester	
environmental monitors	cable certifier	
network sniffer [protocol analyzer]	cable tester	
BER = bit errors/bits transferred	bit error rate tester [BERT] t1	
wireless analyzer		
looking glass sites Board gateway protocol[BGP]		
Microsoft Network Monitor		



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