

ECE 363 Communication Networks Lab

Table of Commands

Command	Linux OS	MAC OS	Windows OS	Purpose
ping	<i>ping google.ca</i>	<i>ping google.ca</i>	<i>ping -t google.ca</i>	Sends continuous ICMP echo requests. Stop with Ctrl+C
	<i>ping -c 5 google.ca</i>	<i>ping -c 5 google.ca</i>	<i>ping -n 5 google.ca</i>	Sends 5 ICMP echo requests
	<i>man ping</i>	<i>man ping</i>	<i>ping /?</i>	Finds different usages
ifconfig	<i>ifconfig -a</i>	<i>ifconfig</i>	<i>ipconfig /all</i>	Shows all network interfaces
	<i>sudo ifconfig <interface_name> up/down</i>	<i>sudo ifconfig <interface_name> up/down</i>	<i>netsh interface show interface netsh interface set interface <interface_name> enable/disable</i>	Turn a network interface up or down
	<i>man ifconfig</i>	<i>man ifconfig</i>	<i>ipconfig /?</i>	
				Finds different usages
netstat	<i>netstat -rn</i>	<i>netstat -rn</i>	<i>route print</i>	Shows routing table
	<i>man netstat</i>	<i>man netstat</i>	<i>netstat /?</i>	Finds different usages
wget	<i>wget http://www.google.ca</i>	<i>curl http://www.google.ca</i>	<i>curl http://www.google.ca</i>	Fetches webpage
	<i>wget -s --spider https://www.google.ca</i>	<i>curl -i http://www.google.ca</i>	<i>curl -i http://www.google.ca</i>	Focuses on http headers/status codes
	<i>man wget</i>	<i>curl --help</i>	<i>curl --help</i>	Finds different usages
traceroute	<i>traceroute www.google.ca</i>	<i>traceroute www.google.ca</i>	<i>tracert www.google.ca</i>	Discovers route
	<i>man traceroute</i>	<i>man traceroute</i>	<i>tracert /?</i>	Finds different usages