PKTMON Quick Reference

Basic Syntax			
pktmon filter list	List all packet filters	**pktmon status**	Query Packet Monitor status
pktmon filter add	Add a packet file	**pktmon counters**	List all counters
pktmon filter remove	Remove a packet filter	**pktmon reset**	Reset all counters to zero
pktmon start	Start capturing to file	**pktmon etl2pcap**	Covert ETL file format to pcapng
pktmon stop	Stop capturing to file	**pktmon unload**	Unload pktmon driver

Filter Syntax	
pktmon filter add [<name>] [-m mac [mac2]] [-v vlan] [-d { IPv4 | IPv6 | number }] [-t { TCP [flags...] | UDP | ICMP | ICMPv6 | number }] [-i ip [ip2]] [-p port [port2]] [-e [encapsulation]]	
Packets must match ALL conditions *from at least ONE filter* to be logged	
pktmon filter add -p 53	Add port 53 (TCP and UDP, IPv4 and IPv6) to filter list
pktmon filter add -t TCP -p 22	Add only TCP port 22 to filter list
pktmon filter add -p 123, 123	Only packets with src port 123 and dst port 123
pktmon filter add -i 172.32.1.1	Only packets to/from IP 172.31.1.1
pktmon filter add -i 172.32.1.1, 8.8.8.8	Only packets between these two IPs
pktmon filter add -m ba:ad:be:ef:00:01	Only packets with MAC BA:AD:BE:EF:00:01
pktmon filter add -v 200	Only packets with VLAN 200 in 802.1Q header
pktmon filter add -e <VXLAN|GRE|NVGRE…>	Only packets with specific encapsulation
pktmon filter list	List all filters
pktmon filter remove	Remove **all** filters

Capture Syntax	
pktmon start [**-c** [--comp { **all** | nics | [ids...] }] [--pkt-size { 0 | size}] [--type { **all** | flow | drop }]] [-f file-name] [-s file-size] [-r] [-m { **circular** | multi-file | memory | real-time }]	
pktmon start -c	Log ALL network interfaces to PktMon.etl
pktmon comp list	Get a list of network interface IDs
pktmon start -c --comp 13	Capture from only network interface ID 13
pktmon start -c --pkt-size 0	Capture FULL packet data (default 128 bytes, 0 == FULL)
pktmon start -c --type drop	Only log dropped packets
pktmon start -c -f output.etl	Specify non-default filename for ETL log
pktmon start -c -s 1024	Set max size (MB) of output file (512 MB default)
pktmon start -c -r	When the ETL file is full, overwrite beginning
pktmon start -c -m multi-file	When the ETL file is full, create a new file (default is circular)
pktmon stop	Stop capture packets: output in pktmon.etl

Output Syntax	
pktmon etl2txt <etl file> -o <txt file>	Convert ETL file to TXT
pktmon etl2pcap <etl file> -o <pcap file>	Convert ETL file to PCAPNG (wireshark) format
pktmon etl2pcap <etl file> -o <pcap file> -d	"-d" == Only convert DROPPED packets