Quantum Spark | Cheat sheet

Wireless & DSL	Command	VPN	Command
Check wireless config	iwconfig	Tunnelutil	# vpn tu
Display channels and scan AP's	lwlist	VPND and IKE debug	Expert@HostName]# vpn debug trunc [Expert@HostName]# vpn debug on TDERROR_ALL_ALL=5 /var/log/fw_mon_traffic.cap /var/log/kernel_debug.txt $FWDIR/log/ike.elg $FWDIR/log/ikev2.xml $FWDIR/log/vpnd.elg
List of clients	wlanconfig		'fw ctl debug –buf <number>' – set debug buffer 'fw ctl debug –m VPN all' – turns debug for VPN kernel 'fw ctl debug –m fw conn drop ld' – good to have 'fw ctl debug –m cluster all' – if VPN-1 cluster in place 'fw ctl kdebug –f > <filename>' - output file Stop it by 'Ctrl+C' and 'fw ctl debug 0' To see VPN statistic: # cpstat -f all vpn
Clean hotspot sessions	# fw tab -x -y -t sfw_hotspot_sessions	VPN monitoring with tcpdump	#tcpdump -ni <interface> icmp or esp or port 500 or port 4500 or port 18234
	# fw hotspot_revoke <IP>	Enabling IKE and VPN debugging	#vpn debug on/off
PPPoE PADI messages	tcpdump –i DSL –n –e –vvv	grep PADI //for PPPoE	$FWDIR/log/vpnd.elg	#vpn debug ikeon/ikeoff
Check Annex A or Annex B	show diag	$FWDIR/log/ike.elg	#vpn debug truncon
Prevent simultaneous login via Hotspot	set hotspot advanced-settings prevent-simultaneous-login <prevent-simultaneous-login>	Tunnel distribution	vpn tu mstats
Routing & packet flow	**Command**	Tunnel information	vpn tu list
Routing	# arp -a # netstat -ie # netstat	Route based VPN when using LSM	add vpn site name mypeer remote-site-link-selection ip-address remote-site-ip-address 1.1.1.1 is-site-behind-static-nat false auth-method certificate enabled true remote-site-enc-dom-type route-based-vpn
Packet flow analysis	# fw monitor -e "accept;" -o <my output file>	**Miscellaneous**	**Command**
Add Netflow collector	add netflow collector ip <ip> port <port> export-format <export-format> [srcaddr <srcaddr>] is-enabled <is-enabled>	Set serial port speed	set serial-port port-speed 9600
Admin	**Command**	holds configuration file	/pfrm2.0/etc/rtdbd.conf
Bashadmin	# bashUser on	Check SSH Server dropbear	cpwd_admin list
Run user script at boot	Place file /pfrm2.0/etc/userScript	**Troubleshoot**	**Location**
Cron jobs	add user jobuser uid 0 homedir /home/jobuser	Generates core files	sysctl kernel.core_pattern
IDA & AD	**Command**	Example	kernel.core_pattern =
Clear IDA cache	# pdp cont r <host ip>		|/pfrm2.0/bin/core_dump.sh
Show all connected sessions	# pdp monitor all		
Show Domain Controller	adlog a dc		