Fortigate (CLII	Reference	- v	1.0.4	
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System		Network			
get system status	basic infos about system SN included	get system arp	show fortigate arp table		
exec date	show system date	exec ping-options <source/>	source = fortigate interface ip		
exec time	show system time	exec ping <host></host>	execute a ping		
diag autoupdate versions	show versions of engines	show system interface <port x=""></port>	show fortigate specific interface		
exec reboot	reboot the fortigate	show system interface show all fortigate interfaces diag hardware nic device info <port x=""> show detailed infos about interface like errors/drops/packets</port>			
exec shutdown	sec shutdown shutdown the fortigate		show detailed infos about interface like errors/drops/packets		
Performance		diag sys session list	list active sessions Filter options:		
get system performance status	show performance usage and fw uptime	diag sys session filter src <ip></ip>	filter active sessions of na specific IP sintf Source interface.		
diag sys top 2 50	show top from 50 processes updating every 2 secs.	diag sys session list	list active sessions from the filtered IP dintf Destination interface.		
diag sys top-sum	show top grouped processes	diag sys session clear	clear active session from the filtered IP src Source IP address.		
diag hardware sysinfo shm show shared memory information		·	nsrc NAT'd source ip address		
High Availability			dst Destination IP address.		
get sys ha status	show HA status		proto Protocol number.		
get sys checksum status	show HA checksum		sport Source port.		
exec ha manage <ha_unit_index></ha_unit_index>	manage other cluster member/ type ? instead of index to show all Ids	get router info routing table all	show the (active) routing table		
diag sys ha hadiff status	show HA diff	get router info routing-table database	show the routing table with the worst routes too		
diag sys ha reset uptime	change the cluster active member	diag sniffer packet <interface> <filter> 3</filter></interface>	verbose level 3: print header and data from Ethernet of packets		
diag sys ha cluster-csum	<5.2 Show sync checksum	diag sniffer packet <interface> <filter> 4</filter></interface>	verbose level 4: print header of packets with interface name		
diag sys ha checksum cluster	5.4 > Show sync checksum	<filter> can be src host, dst host, host, arp, t</filter>			
diag sys ha checksum cached (vdom or root)	5.4 > Tshoot sync problems	More infos: http://kb.fortinet.com/kb/view0			
	force a checksum recalculation (sometimes this can solve sync proble	get router info vrrp	show vrrp state, vrip, priority, vmac, etc.		
diag sniffer packet any "ether proto 0x8890" 4	Sniffer HA heartbeat packets	diag firewall fqdn list	show the resolved FQDNS objects		
diag debug app hatalk -1		diag sys link-monitor status	show status of links with link-monitor configured		
diag debug app hastalk -1		Network - Debug FLOW			
diag debug app hasync -1		diagnose debug disable	We need to run togheter, first clean old debugs, next apply a new one.		
diag debug em		diagnose debug flow trace stop	It's possible to use only saddr or daddr instead of both.		
VPN Ipsec		diagnose debug flow filter clear	For more filters: diagnose debug flow filter ?		
get vpn ipsec tunnel summary	list all ipsec tunnels	diagnose debug reset	proto Protocol number.		
get vpn ipsec tunnel details	list details of ipsec tunnels		addr IP address.		
diag vpn ipsec tunnel list	list details of ipsec tunnels	diagnose debug flow filter saddr x.x.x.x	saddr Source IP address.		
diag vpn tunnel flush <p1 name=""></p1>	flush tunnel Sas	diagnose debug flow filter daddr x.x.x.x	daddr Destination IP address.		
diag vpn tunnel reset <p1 name=""></p1>	flush tunnel Sas and reset NAT-T and DPD confs	diagnose debug flow show console enable	port port		
diagnose vpn ike restart	Be careful! This command restart all tunnels.	diagnose debug flow show function-name enable	sport Source port.		
		diagnose debug flow show ipprobe enable	dport Destination port.		
diag debug reset We need to run this 2 commands before all debug commands		diagnose debug console timestamp enable	negate Inverse filter.		
diag debug enable (after finish always run disable)		diagnose debug flow trace start 999	debug now trace start 555		
diag debug app ike -1	More common debug, show mismatch in PSK or in VPN phases	diagnose debug enable			
diag debug app ike 255	Output VPN handshaking.	Network - BGP			
User authentication		get router info bgp summary	Show summary info like AD, UP/Down info.		
diag debug reset	We need to run this 2 commands before all debug commands	get router info bgp neighbors	Show neighbors informarion		
diag debug enable (after finish always run disable)	Debug LDAP or Radius	Webfilter	City of a large of the Control of th		
diag debug application fnbamd -1	Option -1 enables all debug output	diag debug urlfilter src-addr <host_ip_address></host_ip_address>	Filtering by an specific IP, you can see details of the websites in realtime.		
diag debug authd fsso list	Show FSSO authenticated users	diag debug app urlfilter -1	Debug level (-1 shows all infos) It's very important to disable the debug, because consumes		
Failure Troubleshooting exec tac report	generate a TAC report with a lot of info	diag debug enable	fortigate resources.		
	U I		show details about DoS Policy		
diag debug crashlog read	shows the crashlog in a readable format	diag ips anomaly list diag test application ipsmonitor <xx></xx>	show details about DoS Policy		
Resseting a lost admin password 1. Connect a console cable to Fortigate		1: Display IPS engine information	To tshoot you can run the commands with 1, 10 , 13 and finally 99 to restart.		
Connect a console cable to Fortigate Run putty.exe with default settings		10: DISplay IPS engine information 10: IPS queue length	· · · · · · · · · · · · · · · · · · ·		
Run putty.exe with default settings When the firewall respond with its hostname		10: IPS queue length 13: IPS session list	These diags collect some valuable information.		
When the firewall respond with its nostname Reboot the firewall		97: Start all IPS Engines			
		98 : Stop all IPS Engines			
5. You have 30 seconds after shows the login again to use the recovery credencials 6. Back in login screen, type username: maintainer		99: Restart all IPS engines and monitor			
7. The password is bcpb+ serial no. of the firewall (ex:	hcphFGT60C3G10016011)	25. Nestart air ir 3 engines and Monitor			
8. Now you should be connected to the firewall	rechar a reacharmanti	IMPORTANT			
Now you should be connected to the firewall Change the admin password					
config sys admin		Do not forget to disable the debugs, because consumes fortigate resources. In HA clusters the primary has the better priority.			
edit admin		High CPU can cause HA problems.	iony.		
set password XXXXXXXXX		riigii Cr O can cause na problems.			
end end					
10. Password changed					
TO. 1 033WOTO CHAINECU					