

Fortigate CLI Cheat Sheet - Release date 20151105 – v 0.5.2.1

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Main command structure	
show	Display changes to the default configuration
get	List the configuration of the current object or table
edit	Create or edit a table in the current object. edit 0 will use the next ID available in a sequence number
set/unset	Set a filed / Reset a field to the default value
end	Save the current changes
abort	Exit commands without saving the fields
delete	Remove a table from the current object

Basic	
get sys status	Show status summary
get sys perf stat	Show Fortigate ressources summary
execute ping	Ping something
execute shutdown	Shutdown the device/reboot with reboot
get sys arp	Show the current arp table
execute date/time	Show the current date / time
delete	Remove a table from the current object

Interface	
show sys int	Show interfaces status Sh sys int ? will show a summary
config sys interface edit port1 set ip x.x.x.x/y.y set allowaccess ssh ping end	Basic interface ip configuration
diag netlink device list	Show interfaces statistics (errors)
get hardware nic port1	Show interfaces statistics

Disk	
diag hard deviceinfo disk	Show disks and partitions usage
diag sys flash list	Show partitions status
execute set-next-reboot	Select partition for the next reboot
execute factoryreset	Reset to factory default (2 to keep network)
execute formatlogdisk	Format log disk

Static routing	
config router static edit 0 set device internal Set dst x.x.x.x/y.y set gateway z.z.z.z end	Add a static route
get router info routing-table details x.x.x.x	Display the route used to reach the IP x.x.x.x Default gw will show Network not in table

get router info routing-table database	Display the current routing table
diag ip route list	Display the kernel routing table

Backup / Restore	
exe restore conf	Backup Fortigate configuration
exe backup config	Restore Fortigate configuration

High availability	
get sys ha status diag sys ha status	Show HA conf summary
diag deb en diag deb console timestamp en diag deb app hataalk -1 diag deb app hasync -1	Troubleshoot HA synchronization issue
diag sys ha showcsum <int>	Show the config file checksum (can be execute on both members to compare)
exec ha synchronize all	Synchronize all parts of the configuration
diag sys ha reset-uptime	Reset ha uptime criteria
diag sniffer packet haint 'ether[12:2]=0x8890' 6	Sniffer on heartbeat ports (here haint)
exec ha manage <id>	Connect on a subordinate device

Debug		
diag debug enable diag debug flow show console enable diag debug flow show function-name en diag debug flow filter saddr x.x.x.x diag debug flow filter daddr y.y.y.y diag debug flow filter dport z diag debug flow trace start 100	Debug flow	
diag sniffer packet <interface> <filter> <verbose> <count> <a> <interface> physical, virtual, any <filter> functionality using filter <verbose> there are six verbose levels: 1-print header of packets 2-print header and data from the IP header of the packets 3-print header and data from the Ethernet header of the packets 4-print header of packets with interface name 5-print header and data from ip of packets with interface name 6-print header and data from Ethernet of packets with interface name <count> the number of packets <a> to enable absolute timestamp	Packet capture	
diag sys session filter dst x.x.x.x diag sys session filter src y.y.y.y diag sys session filter proto Z diag sys session list	Show session table	
diag sys session filter src x.x.x.x diag sys session filter proto z diag sys session filter dport y diag sys session clear	Clear session table	

diag debug crashlog read	Show crashlog
diag debug report	Collect lots of information (show tech Cisco like)

VPN	
diag vpn ike gateway list	Show phase 1
diag vpn tunnel list	Show phase 2
diag vpn ike gateway flush name <phase1>	Flush a phase 1
diag vpn tunnel up <phase2>	Bring up a phase 2
diag debug app ike -1 diag debug enable	Troubleshoot VPN issue

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