Cheatography

Fortinet Cheat Sheet

by nicox82 via cheatography.com/141786/cs/30434/

Process Information

get system performance status	General performance Information
diag sys top [sec] {number]	Process list Sort with P (CPU) /M(Memory)
diag sys top-summary [sec]	Process list with grouped proccesses and shared memory
diag debug crashlog read	Crash log

High availability

execute ha manage [index] [admin]	Jump to cluster member
get sys ha status	Information about current HA status
diag sys ha dump-by vcluster	Show cluster member uptime
diag sys ha reset-uptime	Reset cluster member uptime, triggers failover!!!!!!!!
diag sys ha checksum cluster	show config checksums of all cluster members
diag debug appl hatalk -1	Debugging of HA-Talk protocols
diag debug appl hasync -1	Debugging of HA-Sync protocols

FQDN

diagnose test application dnsproxy 6	Dump FQDN cache
diagnose firewall fqdn list	List all FQDN

Traffic Shaper

diag firewall shaper traffic-shaper list / stats	Traffic shaper list / statistics
diag firewall shaper per-ip-shaper list / stats	Per IP traffic-shaper list / statistics

VDOM

config vdom / edit <vdom-name>	change to vdom <vdom-name>
sudo global / vdom-name diag / execute / show / get	Sudo-command to access global / VDOM Settings directly

General debugging

diag debug appl [appl--name] [debug_level]	Realtime debugger for several applications
diax test appl [appl-name] [test_level]	Monitor proxy operations
diag debug console timestamp enable	Enables timestamp in console
diag debug enable diag debug disable	Enable/disable output for "diag debug" and "diag ip" commands
diag debug reset	Reset debug levels

Packet Sniffer

diag snivver packet [if] '[filter]' [verbose] [count] [ts]	Packet sniffer. Use Filters! Verbose levels 1-6 for different output

Flow Trace

diag debug flow show iprop en diag debug flow show fun en diag debug flow trace start [packet count]	Debug command for traffic flow
diag debug flow filter [filter]	Use filters to narrow down search results

Firewall session troubleshooting

diag sys session filter	Filter for session list
diag sys session list[expect]	Lists all (or expected) sessions
diag sys session clear	Clear all / filtered sessions
diag sys session stat	Sessions statistics, memory memory tension, ephemral drops
diag firewall iprope clear 100004 [<id>]	Resets counter for all or specific firewall policy id

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Fortiguard Distribution Network (FDN)

update.fortiguard.net service.fortiguard.net support.fortinet.com	**URLs to access the FortiGuard Distribution Netowrk (FDN)

Signature Update

diag debug rating	**Webfilter / AntiSpan Server information**
diag autoupdate versions	**Detailed versions of packages**
diag debug appl update -1 exec update-now	**Troubleshooting update process**

IPS

diag ips anomaly list	**Lists statistics of DoS-Policies**
diag ips packet status	**IPS packet statistics**
diag test appl ipsmonitor 2	**Enable / disable IPS engine**
diag test appl ipsmonitor 5	**Toggle bypass status**
diag test appl ipsmonitor 99	**Restart all ipsengine and monitor**

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