

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 processes 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

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|--|--|
| config vdom / edit <vdom-name> e> | change to vdom <vdom-name> |
| sudo global / vdom-name / 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 |
| diagnose test appl [appl-name] [test_level] | Monitor proxy operations |
| diag debug console timestamp enable | Enables timestamp in console |
| diag debug enable debug disable | Enable/disable output for "diag debug" and "diag ip" commands |
| diag debug reset | Reset debug levels |

Packet Sniffer

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

Flow Trace

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|---|-----------------------------|---|
| diag debug flow show iprop en flow show fun en [packet count] | diag debug flow trace start | 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 tension, ephemral drops |
| diag firewall iprope clear 100004 [id] | Resets counter for all or specific firewall policy id |



Fortiguard Distribution Network (FDN)

| | | | |
|-----------------------|------------------------|----------------------|--|
| update.fortiguard.net | service.fortiguard.net | support.fortinet.com | **URLs to access the FortiGuard Distribution Network (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

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|------------------------------|-----------------------------------|
| 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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