

# Palo Alto firewall - CLI Commands Cheat Sheet

Here are PAN-OS CLI commands.

- *Device Management*

## CLI Cheat Sheet: Device Management

show system info

show system disk-space

show system logdb-quota

show system software status

show system resources

show running resource-monitor

request license info

show jobs processed

show session info

show session all

show session all filter

show session meter

show session id session-id

show running security-policy

less mp-log authd.log

request restart system

show admins

show admins all

delete admin-sessions username

set deviceconfig system type dhcp-client accept-dhcp-domain accept-dhcp-hostname send-client-id send-hostname

- *Policies*

### ▶ Security

set system setting arp-cache-timeout

show system setting arp-cache-timeout

### ▶ NAT

- Show the NAT policy table:

show running nat-policy

- Test the NAT policy:  
test nat-policy-match

- Show NAT pool utilization:

show running ippool

show running global-ippool

### ▶ PBF

show pbf rule name <value>

show pbf rule all

show pbf return-mac name <value>

show pbf return-mac all

## • *Networking*

### CLI Cheat Sheet: Networking

#### ▶ System

set system setting arp-cache-timeout

show system setting arp-cache-timeout

#### ▶ VPN (IPSec)

show vpn flow

show vpn gateway

show vpn ike-sa

show vpn ipsec-sa

show vpn tunnel

test vpn ike-sa gateway

test vpn ipsec-sa tunnel

#### ▶ Routing

show routing route

show routing fib virtual-router name | match x.x.x.x

show routing bfd active-profile []

show routing bfd details [interface ] [local-ip ] [multihop][peer-ip ] [session-id] [virtual-router ]

show routing bfd drop-counters session-id

show counter global | match bfd

clear routing bfd counters session-id all |

clear routing bfd session-state session-id all |

```
set session pvst-native-vlan-id
set session drop-stp-packet
show vlan all
show counter global
```

## ▶ Troubleshooting

```
ping host destination-ip-address
ping source ip-address-on-dataplane host destination-ip-address
traceroute host remote host
show netstat statistics yes
```

### • *User-ID*

#### CLI Cheat Sheet: User-ID

```
debug user-id log-ip-user-mapping yes
debug user-id log-ip-user-mapping no
show user user-id-agent state all
show user server-monitor state all
show user server-monitor statistics
show user user-id-agent config name
show user group-mapping statistics
show user group-mapping state all
show user group list
show user group name
show user ip-user-mapping all
show user ip-user-mapping all | match \\
show user ip-user-mapping ip
show user user-ids
show log userid datasourcename equal direction equal backward
show log userid datasourcetype equal
show log userid datasourcetype equal kerberos
show log userid datasource equal
show log userid datasourcetype equal xml-api
show user email-lookup
show user email-lookup base "DC=lab,DC=sg,DC=acme,DC=local" bind-dn
"CN=Administrator,CN=Users,DC=lab,DC=sg,DC=acme,DC=local" bind-password acme use-
ssl no email user1@lab.sg.acme.local mail-attribute mail server 10.1.1.1 server-port 389
labsg\user1
clear user-cache all
clear user-cache ip
```

- *HA*

#### **CLI Cheat Sheet: HA**

show high-availability cluster all  
show high-availability cluster flap-statistics  
show high-availability cluster ha4-status  
show high-availability cluster ha4-backup-status  
show high-availability cluster session-synchronization  
show high-availability cluster state  
show high-availability cluster statistics  
clear high-availability cluster statistics  
request high-availability cluster clear-cache  
request high-availability cluster sync-from  
show high-availability interface ha2 | match bytes  
request high-availability state suspend

- *VSYS*

#### **CLI Cheat Sheet: VSYS**

show system info | match vsys  
set system setting target-vsys ?  
set system setting target-vsys vsys-name  
set system setting target-vsys vsys2  
show session meter  
show user ip-user-mapping all  
set system setting target-vsys none

- *Panorama*

#### **CLI Cheat Sheet: Panorama**

show system info | match system-mode  
request system system-mode logger  
request system system-mode panurldb  
request system system-mode panorama  
request system system-mode legacy  
  
set cli config-output-mode set  
show device-group branch-offices  
set panorama [off | on]  
request high-availability sync-to-remote [running-config | candidate-config]  
request batch reboot [devices | log-collectors]  
set dlsrvr poll-interval

```
show devicegroups name
show templates name
show config pushed-shared-policy
show config pushed-template
```

```
debug log-collector log-collection-stats show incoming-logs
debug log-collector log-collection-stats show log-forwarding-stats
show logging-status device
clear log [acc | alarm | config | hipmatch | system | threat | traffic]
```