# Gaia Processes

## Gaia OS Processes

### pm
**Desc:** Gaia OS Process Manager (/bin/pm). Controls other processes and daemons.
**Dep:** -
**Log:** /var/log/messages
**Stop:** -
**Start:** -
**Debug:** sk97638

### confd
**Desc:** Database and configuration.
**Dep:** pm
**Log:** /var/log/messages
**Stop:** tellpm process:confd
**Start:** tellpm process:confd t
**Debug:** sk97638

### searchd
**Desc:** Search indexing daemon.
**Dep:** pm
**Log:** /var/log/messages
**Stop:** tellpm process:searchd
**Start:** tellpm process:searchd t
**Debug:** sk97638

### clishd
**Desc:** Gaia Clish CLI interface process - general information for all Gaia Clish sessions.
**Dep:** pm
**Log:** /var/log/messages
**Stop:** tellpm process:clishd
**Start:** tellpm process:clishd t
**Debug:** sk97638

### clish
**Desc:** Gaia Clish CLI interface process - Clish process per session.
**Dep:** pm, clishd
**Log:** /var/log/messages
**Stop:** tellpm process:clish
**Start:** tellpm process:clish t
**Debug:** sk106938

### routed
**Desc:** Routing daemon.
**Dep:** pm
**Log:** /var/log/routed.log + routed_messages
**Stop:** tellpm process:routed
**Start:** tellpm process:routed t
**Debug:** sk84520, sk101399, sk92598

### httpd2
**Desc:** Web server daemon (Gaia Portal).
**Dep:** pm
**Log:** /var/log/httpd2_error_log + httpd2_access_log
**Stop:** tellpm process:httpd2
**Start:** tellpm process:httpd2 t
**Debug:** sk84561

### monitord
**Desc:** Hardware monitoring daemon.
**Dep:** pm
**Log:** /var/log/messages
**Stop:** tellpm process:monitord
**Start:** tellpm process:monitord t
**Debug:** sk97638

### rconfd
**Desc:** Provisioning daemon.
**Dep:** pm, confd
**Log:** /var/log/messages
**Stop:** tellpm process:rconfd
**Start:** tellpm process:rconfd t
**Debug:** sk97638

### cloningd
**Desc:** Gaia Cloning Groups daemon.
**Dep:** pm
**Log:** /var/log/messages
**Stop:** tellpm process:cloningd
**Start:** tellpm process:cloningd t
**Debug:** sk97638

### dynamic_server
**Desc:** Dynamic Server daemon for the Gaia Dynamic CLI feature. sk144112
**Dep:** pm
**Log:** /var/log/dynamicCli.log
**Stop:** tellpm process:dynamic_server
**Start:** tellpm process:dynamic_server t
**Debug:** sk97638

### mpdaemon
**Desc:** The mpdaemon process is responsible for starting and managing these web servers.
**Dep:** -
**Log:** $CPDIR/log/mpdaemon.elg, $CPDIR/log/ mpclient.elg
**Stop:** mpclient stopall
**Start:** sk97638
**Debug:** sk87020

## Gaia, Linux and Gaia Upgrade

### dhcpd
**Desc:** DHCP server daemon.
**Dep:** -
**Log:** /var/log/messages
**Stop:** set dhcp server disable
**Start:** set dhcp server enable
**Debug:** sk97638

### snmpd
**Desc:** SNMP (Linux) daemon.
**Dep:** -
**Log:** /var/log/messages
**Stop:** set snmp agent off
**Start:** set snmp agent on
**Debug:** sk56783

### xpand
**Desc:** Configuration daemon that processes and validates user configuration requests.
**Dep:** -
**Log:** /var/log/messages
**Stop:** -
**Start:** -
**Debug:** sk97638

### sshd
**Desc:** SSH daemon. Config: R81+: /etc/ssh/ templates/sshd_config.templ + /bin/ sshd_template_state < /config/active
**Dep:** -
**Log:** /var/log/secure; /var/log/auth/; /var/log/messages
**Stop:** service sshd stop
**Start:** service sshd start
**Debug:** sk97638

### syslogd
**Desc:** Syslog (Linux) daemon.
**Dep:** -
**Log:** /var/log/messages; /var/log/dmesg
**Stop:** service syslog stop
**Start:** service syslog start
**Debug:** sk108421

### DAService
**Desc:** Check Point Upgrade Service Engine (CPUSE).
**Dep:** -
**Log:** /opt/CPInstLog/DeploymentAgent.log + DA_UI.log
**Stop:** $DADIR/bin/dastop; dbget install…
**Start:** $DADIR/bin/dastart; dbget install…
**Debug:** sk92449

### AutoUpdater
**Desc:** AutoUpdater - responsible for automatic updates.
**Dep:** -
**Log:** $AUTOUPDATERDIR/AutoUpdater.log
**Stop:** AutoUpdaterWDUnReg.sh; auto…
**Start:** AutoUpdaterWDReg.sh
**Debug:** sk97638

### cplp
**Desc:** CPLP is a built-in service in the Gaia OS that closes critical vulnerabilities immediately by applying fixes directly in the memory of running processes. (cplp list, cplp status –all)
**Dep:** -
**Log:** /opt/cplp/patches/<patch_name>.json
**Stop:** -
**Start:** -
**Debug:** sk185114, sk175504

# Firewall Infrastructure Processes

### cpwd-managed

#### cpwd
**Desc:** WatchDog launches and monitors critical Check Point processes.
**Dep:** -
**Log:** $CPDIR/log/cpwd.elg
**Stop:** cpwd_admin kill or cpstop
**Start:** $CPDIR/bin/cpwd or cpstart
**Debug:** sk97638

#### cpd
**Desc:** Generic process/container for Check Point services; SIC and policy-related services.
**Dep:** cpwd
**Log:** $CPDIR/log/cpd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk86320

#### msgd
**Desc:** Dedicated daemon for Check Point inter-process communication (R82+).
**Dep:** cpwd
**Log:** $CPDIR/log/msgd.elg
**Stop:** msg_admin stop
**Start:** cpstart
**Debug:** sk97638

#### fwd
**Desc:** Gateway logging, child-process spawning, policy-install notifications and other gateway…
**Dep:** cpwd
**Log:** $FWDIR/log/fwd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk86321

### cprid_wd-managed

#### cprid_wd
**Desc:** WatchDog for Check Point Remote Installation Daemon cprid.
**Dep:** -
**Log:** $CPDIR/log/cprid_wd.elg
**Stop:** $CPDIR/bin/cpridstop
**Start:** $CPDIR/bin/cpridstart
**Debug:** sk97638

#### cprid
**Desc:** Check Point Remote Installation Daemon - package distribution to managed Gateways.
**Dep:** cprid_wd
**Log:** $CPDIR/log/cprid.elg
**Stop:** $CPDIR/bin/cpridstop
**Start:** $CPDIR/bin/cpridstart
**Debug:** sk41793

### Firewall Kernel

#### kissd
**Desc:** KISS - used for kernel memory management.
**Dep:** -
**Log:** -
**Stop:** -
**Start:** -
**Debug:** sk97638

# Security Gateway Software Blades

## Firewall Blade

### fwd
**Desc:** - Logging - Spawning child processes (e.g., vpnd)
**Dep:** -
**Log:** $FWDIR/log/fwd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk86321

### uprd
**Desc:** This process exists starting from the R82 version. Unified Policy Report Daemon.
**Dep:** -
**Log:** $FWDIR/log/uprd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

## IPSec VPN Blade

### vpnd
**Desc:** R81.10+ The single vpnd daemon handles these VPN connections: Multi-Portal (SSL/ TLS), non-IKE Remote Access
**Dep:** fwd
**Log:** $FWDIR/log/vpnd.elg* + vpnd.ikev1trace* + vpnd.ikev2trace*
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk180488, sk89940

### iked
**Desc:** R81.20+ Multiple iked daemons (iked0, iked1 and so on) handle these VPN connections:IKE Remote Access, IKE Site-to-Site, DAIP-GW's
**Dep:** -
**Log:** $FWDIR/log/iked*.elg* + iked*.ikev1trace* + iked*.ikev2trace*
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk180488, sk89940

### cccd
**Desc:** R81.10+ The single cccd daemon is responsible for the Client Communication Channel (CCC) protocol, while: TLS layer
**Dep:** -
**Log:** $FWDIR/log/cccd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### probemond
**Desc:** R82+ Advanced monitoring of VPN tunnels using HTTP, HTTPS, or ICMP probing of the configured destinations.
**Dep:** -
**Log:** $FWDIR/log/probemond.elg, /var/tmp/ probemon_event.log
**Stop:** probemon stop
**Start:** probemon start
**Debug:** sk97638

## Mobile Access Blade

### cvpnd
**Desc:** Back-end daemon of the Mobile Access Software Blade.
**Dep:** -
**Log:** $CVPNDIR/log/cvpnd.elg
**Stop:** cvpnstop
**Start:** cvpnstart
**Debug:** sk104577, sk99053

### MoveFileServer
**Desc:** Move files between cluster members to perform database synchronization.
**Dep:** -
**Log:** $CVPNDIR/log/MFServer.log
**Stop:** cvpnstop
**Start:** cvpnstart
**Debug:** sk97638

### Pinger
**Desc:** Reduces the number of httpd processes that perform ActiveSync.
**Dep:** -
**Log:** $CVPNDIR/log/Pinger.log
**Stop:** cvpnstop
**Start:** cvpnstart
**Debug:** sk104577

### CvpnUMD
**Desc:** Reports SNMP connected users to AMON.
**Dep:** -
**Log:** $CVPNDIR/log/CvpnUMD.log
**Stop:** cvpnstop
**Start:** cvpnstart
**Debug:** sk97638

### httpd
**Desc:** Front-end daemon of the Mobile Access Software Blade (multi-processes)
**Dep:** -
**Log:** $CVPNDIR/log/httpd.log
**Stop:** cvpnstop
**Start:** cvpnstart
**Debug:** sk104577, sk99053

### fwpushd
**Desc:** Mobile Access Push Notifications daemon that is controlled by "fwpush" command.
**Dep:** fwd
**Log:** $FWDIR/log/fwpushd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### postgres
**Desc:** PostgreSQL server. Used by Remote Access Session Visibility and Management Utility.
**Dep:** cvpnd
**Log:** -
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk93970

### dbwriter
**Desc:** Offloads database commands from cvpnd (to prevent locks) and synchronize with other members.
**Dep:** cvpnd
**Log:** $CVPNDIR/log/dbwriter.elg
**Stop:** cvpnstop
**Start:** cvpnstart
**Debug:** sk97638

### cvpnproc
**Desc:** Offloads blocking commands from cvpnd (to prevent locks). Example: Sending DynamicID.
**Dep:** cvpnd
**Log:** $CVPNDIR/log/cvpnproc.elg
**Stop:** cvpnstop
**Start:** cvpnstart
**Debug:** sk104577

### MoveFileDemuxer
**Desc:** Related to MoveFileServer process (moving files between cluster members to perform database…
**Dep:** MoveFileServer, movefileserver
**Log:** $CVPNDIR/log/MFDemux.log
**Stop:** cvpnstop
**Start:** cvpnstart
**Debug:** sk97638

## Identity Awareness Blade

### pepd
**Desc:** Policy Enforcement Point (PEP) daemon: Receiving identities via identity sharing. Redirecting users to Captive Portal
**Dep:** -
**Log:** $FWDIR/log/pepd.elg
**Stop:** cpstop (this will stop entire Gate…
**Start:** cpstart
**Debug:** sk97638

### pdpd
**Desc:** Policy Decision Point (PDP) daemon: Acquiring identities from identity sources, Sharing identities with other Security Gateways
**Dep:** -
**Log:** $FWDIR/log/pdpd.elg
**Stop:** cpstop (this will stop entire Gate…
**Start:** cpstart
**Debug:** sk97638

## DLP Blade and Content Awareness Blade (sk73660)

### fwdlp
**Desc:** This is the DLP core engine that performs the scanning / inspection.
**Dep:** -
**Log:** $FWDIR/log/fwdlp.elg, $DLPDIR/log/dlpe.log, $DLPDIR/log/dlpe_msg.log
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk73660, sk60388

### cp_file_convert
**Desc:** DLP Blade and Content Awareness Blade, converts various file formats to simple textual format for scanning by DLP and by CA .
**Dep:** -
**Log:** $FWDIR/log/cp_file_convertd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk73660

### dlp_fingerprint
**Desc:** Identifies the data according to a unique signature known as a fingerprint stored in your repository.
**Dep:** -
**Log:** -
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### cserver
**Desc:** This Check Server either stops or processes the e-mail.
**Dep:** -
**Log:** $FWDIR/log/cserver.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk73660

### dlpu
**Desc:** In the DLP Blade and in the Content Awareness Blade, receives data from the Check Point kernel.
**Dep:** -
**Log:** $FWDIR/log/dlpu.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk73660

### fwucd
**Desc:** In the DLP Blade, this is the UserCheck back-end daemon that sends approval / disapproval requests to user.
**Dep:** -
**Log:** $FWDIR/log/fwucd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk73660, sk60388

### usrchkd
**Desc:** This is the main UserCheck daemon, which deals with UserCheck requests that are sent from the UserCheck Web Portal.
**Dep:** fwd
**Log:** $FWDIR/log/usrchkd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### usrchk
**Desc:** This is the CLI client for the UserCheck daemon USRCHKD (this process runs only when it is called explicitly).
**Dep:** -
**Log:** $FWDIR/log/usrchk.elg
**Stop:** -
**Start:** -
**Debug:** sk97638

## Threat Emulation / Threat Prevention

### ted
**Desc:** Threat Emulation daemon engine - responsible for emulating files and communication with the cloud.
**Dep:** -
**Log:** $FWDIR/log/ted.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### scanengine_s
**Desc:** Third-party engine.
**Dep:** -
**Log:** $FWDIR/log/sopadvisor.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### dlpu
**Desc:** DLP process - receives data from the Security Gateway kernel.
**Dep:** -
**Log:** $FWDIR/log/dlpu.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk73660

### usrchkd
**Desc:** Main UserCheck daemon, which deals with UserCheck requests (from CLI / from the user) that are sent from the UserCheck Web Portal.
**Dep:** fwd
**Log:** $FWDIR/log/usrchkd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### usrchk
**Desc:** The CLI client for the UserCheck daemon USRCHKD (this process runs only when it is called explicitly).
**Dep:** -
**Log:** $FWDIR/log/usrchk.elg
**Stop:** -
**Start:** -
**Debug:** sk97638

### scanengine_b
**Desc:** Third-party engine.
**Dep:** -
**Log:** $FWDIR/log/bdadvisor.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### scanengine_k
**Desc:** Third-party engine.
**Dep:** -
**Log:** $FWDIR/log/kavadvisor.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### tp_conf_service
**Desc:** Service for Threat Prevention Software Blades R80.40+ for updatable configuration.
**Dep:** -
**Log:** $FWDIR/log/tp_conf.elg
**Stop:** cpstop
**Start:** cpstart Configuration File $FWDI…
**Debug:** sk97638

### tpd
**Desc:** Threat Prevention Daemon - communicates with the kernel and deals with User Space tasks R80.40+.
**Dep:** -
**Log:** $FWDIR/log/tpd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

## Threat Extraction Blade

### scrub
**Desc:** Main CLI process for Threat Extraction.
**Dep:** -
**Log:** $FWDIR/log/scrubd.elg + scrubd_messages +scrub_plg.log
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### scrubd
**Desc:** Main Threat Extraction daemon.
**Dep:** -
**Log:** $FWDIR/log/scrubd.elg + scrubd_messages + scrub_plg.log
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### scrub_cp_file_convertd
**Desc:** Converts various file formats to simple textual format for scanning by the Threat Extraction engine…
**Dep:** -
**Log:** $FWDIR/bin/cp_file_convert
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### in.emaild.mta
**Desc:** E-Mail Security Server that receives e-mails sent by user and sends them to their destinations.
**Dep:** -
**Log:** $FWDIR/bin/fwssd
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk139892

### usrchkd
**Desc:** Main UserCheck daemon, which deals with UserCheck requests (from CLI / from the user) that are sent from the UserCheck Web Portal.
**Dep:** fwd
**Log:** $FWDIR/log/usrchkd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### usrchk
**Desc:** The CLI client for the UserCheck daemon USRCHKD (this process runs only when it is called…
**Dep:** -
**Log:** $FWDIR/log/usrchk.elg
**Stop:** -
**Start:** -
**Debug:** sk97638

## Zero Phishing Blade

### zphd
**Desc:** Main Zero Phishing daemon.Gets answers from the Check Point cloud, Determines the final counter-action taken when encountering…
**Dep:** -
**Log:** $FWDIR/log/zphd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### usercheckportal_php
**Desc:** UserCheck Web Portal.
**Dep:** -
**Log:** /opt/CPUserCheckPortal/log/zph
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

## IPS Blade

### in.geod
**Desc:** Updates the IPS Geo Protection Database.
**Dep:** -
**Log:** $FWDIR/log/geod.elg
**Stop:** kill -KILL $(pidof in.geod)
**Start:** After killed, it will be restarted automatically
**Debug:** sk102329

## URL Filtering Blade

### rad
**Desc:** Resource Advisor - responsible for the detection of Social Network widgets. The detection is done via an online AC database, which identifies URLs as applications.
**Dep:** -
**Log:** $FWDIR/log/rad.elg
**Stop:** rad_admin stop or cpstop
**Start:** rad_admin start or cpstart
**Debug:** sk92743

### usrchkd
**Desc:** Main UserCheck daemon, which deals with UserCheck requests (from CLI / from the user) that are sent from the UserCheck Web Portal.
**Dep:** fwd
**Log:** $FWDIR/log/usrchkd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### usrchk
**Desc:** The CLI client for the UserCheck daemon USRCHKD (this process runs only when it is called explicitly).
**Dep:** -
**Log:** $FWDIR/log/usrchk.elg Applicati…
**Stop:** -
**Start:** -
**Debug:** sk97638

## Application Control Blade

### rad
**Desc:** Resource Advisor - responsible for the detection of Social Network widgets. The detection is done vi…
**Dep:** -
**Log:** $FWDIR/log/rad.elg
**Stop:** rad_admin stop or cpstop
**Start:** rad_admin start or cpstart
**Debug:** sk92743

## Anti-Bot Blade

### in.acapd
**Desc:** Daemon that captures packets to download the traffic sample from logs.
**Dep:** -
**Log:** $FWDIR/log/acapd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk108179

### rad
**Desc:** Resource Advisor - responsible for the detection of Social Network widgets. The detection is done via an online AC database, which identifies URLs as applications.
**Dep:** -
**Log:** $FWDIR/log/rad.elg
**Stop:** rad_admin stop or cpstop
**Start:** rad_admin start or cpstart
**Debug:** sk92264

### usrchkd
**Desc:** Main UserCheck daemon, which deals with UserCheck requests (from CLI / from the user) that are sent from the UserCheck Web Portal.
**Dep:** fwd
**Log:** $FWDIR/log/usrchkd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### usrchk
**Desc:** The CLI client for the UserCheck daemon USRCHKD (this process runs only when it is called explicitly).
**Dep:** -
**Log:** $FWDIR/log/usrchk.elg Anti-Viru…
**Stop:** -
**Start:** -
**Debug:** sk97638

## Anti-Virus Blade

### in.acapd
**Desc:** Daemon that captures packets to download the traffic sample from logs.
**Dep:** -
**Log:** $FWDIR/log/acapd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk108179

### in.emaild.mta
**Desc:** E-Mail Security Server that receives e-mails sent by user and sends them to their destinations.
**Dep:** -
**Log:** $FWDIR/log/emaild.mta.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk60387

### in.emaild.smtp
**Desc:** SMTP Security Server that receives e-mails sent by user and sends them to their destinations.
**Dep:** -
**Log:** $FWDIR/log/emaild.smtp.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk60387

### in.emaild.pop3
**Desc:** POP3 Security Server that receives e-mails sent by user.
**Dep:** -
**Log:** $FWDIR/log/emaild.pop3.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### dlpu
**Desc:** DLP process - receives data from the Security Gateway kernel.
**Dep:** -
**Log:** $FWDIR/log/dlpu.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk73660

### rad
**Desc:** Resource Advisor - responsible for the detection of Social Network widgets. The detection is done via an online AC database, which identifies URLs as applications.
**Dep:** -
**Log:** $FWDIR/log/rad.elg
**Stop:** rad_admin stop or cpstop
**Start:** rad_admin start or cpstart
**Debug:** sk92264

### usrchkd
**Desc:** Main UserCheck daemon, which deals with UserCheck requests (from CLI / from the user) that are sent from the UserCheck Web Portal.
**Dep:** fwd
**Log:** $FWDIR/log/usrchkd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### usrchk
**Desc:** The CLI client for the UserCheck daemon USRCHKD (this process runs only when it is called explicitly).
**Dep:** -
**Log:** $FWDIR/log/usrchk.elg Anti-Spa…
**Stop:** -
**Start:** -
**Debug:** sk97638

## Anti-Spam Blade

### in.emaild.smtp
**Desc:** SMTP Security Server that receives e-mails sent by user and sends them to their destinations.
**Dep:** -
**Log:** $FWDIR/log/emaild.smtp.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk60387

### in.msd
**Desc:** Mail Security Daemon that queries the Commtouch engine for reputation.
**Dep:** -
**Log:** $FWDIR/log/msd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk92264

### ctasd
**Desc:** Commtouch Anti-Spam daemon.
**Dep:** -
**Log:** -
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

### ctipd
**Desc:** Commtouch IP Reputation daemon.
**Dep:** -
**Log:** -
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

## Monitoring Blade

### rtmd
**Desc:** Real Time traffic statistics.
**Dep:** -
**Log:** $FWDIR/log/rtmd.elg
**Stop:** rtmstop
**Start:** rtmstart
**Debug:** sk97638

### cpstat_monitor
**Desc:** Process is responsible for collecting and sending information to SmartView Monitor.
**Dep:** -
**Log:** $FWDIR/log/cpstat_monitor.elg
**Stop:** cpwd_admin stop -name CPSM
**Start:** -> sk97638
**Debug:** sk108177

## HTTPS Inspection

### wstlsd
**Desc:** Handles SSL handshake for HTTPS Inspected connections.
**Dep:** -
**Log:** $FWDIR/log/wstlsd.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk105559

### pkxld
**Desc:** Performs asymmetric key operations for HTTPS Inspection
**Dep:** -
**Log:** -
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

## HTTP/HTTPS Proxy

### wsdnsd
**Desc:** DNS Resolver - used for resolving all Domain Objects. . Tip! The process is started and stopped during policy installation.
**Dep:** -
**Log:** $FWDIR/log/wsdnsd.elg
**Stop:** cpwd_admin stop -name WSDN…
**Start:** cpwd_admin start -name WSDN…
**Debug:** sk106443

## ClusterXL

### cphamcset
**Desc:** Clustering daemon - responsible for opening sockets on the NICs to allow them to pass multicast traffic (CCP) to the machine.
**Dep:** -
**Log:** $FWDIR/log/cphamcset.elg
**Stop:** cphastop
**Start:** cphastart
**Debug:** sk97638

### cphaprob
**Desc:** Process that lists the state of cluster members, cluster interfaces and Critical Devices (Pnotes).
**Dep:** -
**Log:** -
**Stop:** -
**Start:** -
**Debug:** sk97638

### cphaconf
**Desc:** Cluster configuration process - installs the cluster configuration into Check Point kernel on cluster members.
**Dep:** -
**Log:** $FWDIR/log/cphaconf.elg
**Stop:** -
**Start:** -
**Debug:** sk97638

### cphastart
**Desc:** Starts the cluster and state synchronization.
**Dep:** -
**Log:** $FWDIR/log/cphastart.elg
**Stop:** -
**Start:** -
**Debug:** sk38842

### cphastop
**Desc:** Stops the cluster and state synchronization.
**Dep:** -
**Log:** -
**Stop:** -
**Start:** -
**Debug:** sk97638

### cxld
**Desc:** Runs the cluster Full Sync R81+.
**Dep:** -
**Log:** $FWDIR/log/cxld.elg
**Stop:** cpstop
**Start:** cpstart
**Debug:** sk97638

## SecureXL

### sxl_statd
**Desc:** Daemon that collects statistics information from the SecureXL on the Host appliance R80.20+.
**Dep:** -
**Log:** -
**Stop:** cpwd_admin stop -name SXL_S…
**Start:** cpwd_admin start -name SXL_S…
**Debug:** sk97638

## CoreXL

### dsd
**Desc:** Dynamic Balancing daemon - responsible for dynamically adjusting CoreXL/SND for optimized CPU resources allocation R80.40+
**Dep:** -
**Log:** $FWDIR/log/dsd.elg
**Stop:** -
**Start:** -
**Debug:** sk97638

## VSX

### CPUS_USGS
**Desc:** Special task in the Check Point WatchDog on a Scalable Platform Security Group in the VSX mode (Maestro and Chassis) in R81.20+
**Dep:** -
**Log:** /usr/scripts/get_cpus_usages/get_cpus_usages
**Stop:** service get_cpus_usages stop
**Start:** service get_cpus_usages start
**Debug:** sk97638

## SD-WAN

### sdwan_steering
**Desc:** SD-WAN steering process (see sk180605).
**Dep:** -
**Log:** $FWDIR/log/sdwan_steering.elg
**Stop:** sk97638, sk180605
**Start:** sk97638, sk180605
**Debug:** sk97638