

# Checkpoint Firewalls Debug Cheat Sheet

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Status: Work in progress.

## Cluster XL (ClusterXL) debug

command	Description
<b>cphaprob state</b>	Show status of the cluster and its members, if down - show the descriptive reason and when the state change happened, type of clustering - HA/Load Sharing/VRRP, IP address of each member's sync interface, problematic <i>pnote</i> that causes failover, number of failovers since last restart.
<b>cphaprob -ia list</b>	Show detailed information on the failed <i>pnote</i> /Critical Device of this member. List of pnotes enabled by default (differs by version/model so not a reference): <i>Interface Active Check, Recovery Delay, CoreXL Configuration, Fullsync, Policy/filter, routed, fwd, cphad, init, cvpnd</i> .
<b>cphaprob -l list</b>	List ALL <i>pnotes</i> of the member, including in OK state.
<b>cphaprob -a if</b>	Show all the interfaces seen by the cluster on this member. <i>Monitored</i> are interfaces monitored by the cluster and if failed would cause fail over. <i>Secured</i> is/are interface(s) the cluster uses to synchronize members. In Checkpoint appliances it is usually named <i>Sync</i> . Also show cluster synchronization mode - broadcast/multicast,
<b>cphaprob -m if</b>	Show the monitored interfaces but also add ClusterXL VLAN monitoring info - which VLANs on which interface are being monitored.
<b>cphaprob syncstat</b>	Show detailed synchronization states and traffic statistics: sync traffic drops/sent/received/queue size/delta interval. Good at showing network/communication problems between cluster members.

<b>cphaprob show_failover</b>	Show detailed history log of failover events with their dates and reasons. Checkpoint records last 20 failovers by default.
<b>cphaprob mmagic</b>	Show the cluster magic number, relevant if multiple clusters are present in the same network.
<b>cphaprob show_bond</b>	Show bond interfaces.
<b>cpview → Advanced → ClusterXL</b>	Partial output of the above commands in TUI interface.