

Chapter 10

Message Descriptions

This chapter introduces new ScreenOS messages for this release. The description of each message includes an explanation of its meaning and, when appropriate, a recommended action. Messages are grouped by type and then within that type by severity level, from the most severe to the least severe.

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All messages reporting an administrative action include the location from which that action has been made: either from the console, from an administrator’s host IP address via SCS, Telnet, or the Web. When devices are used in a redundant cluster for high availability, the message also states whether the action occurred on a master or backup unit. Note that because the part of a message stating the source of an action is the same in all such messages, it is not included in the messages listed here.

For a complete list of ScreenOS log messages, refer to the *Message Log Reference* for ScreenOS 5.1.0.

Interface

These messages relate to WAN interfaces.

Notification (00009)

Message	< interface_option > for interface < interface > has been changed to < new_value >
Meaning	An admin has changed the value of an interface option (such as clocking, hold time up/down, BERT algorithm/error rate/period, build out, byte encoding, and so on).
Action	No recommended action
Message	Admin status for interface < interface > has been changed to { enable disable }
Meaning	An admin enabled or disabled the interface.
Action	No recommended action

Cisco HDLC

These messages relate to the Cisco HDLC encapsulation protocol.

Alert (00087)

Message	Cisco-HDLC detected loop < number > times on interface < interface >
Meaning	A link loop (when the sender receives the same keepalive packet it sent out) has been detected on the interface.
Action	No recommended action

Notification (00062)

Message	Set interface < interface > encap as cisco-hdlc
Meaning	An admin configured Cisco HDLC encapsulation on the specified interface.
Action	No recommended action
Message	unset interface < interface > encap from cisco-hdlc
Meaning	An admin removed Cisco HDLC encapsulation on the specified interface.
Action	No recommended action

Message	CISCO-HDLC keepalive is enabled on interface < interface >
Meaning	The specified interface is able to send keepalive packets. This is the default behavior.
Action	No recommended action
Message	CISCO-HDLC keepalive interval is changed from < number1 > to < number2 > on interface < interface >
Meaning	An admin changed the interval at which the specified interface sends keepalive packets.
Action	No recommended action
Message	CISCO-HDLC keepalive down count value is changed from < number > to < number > on interface < interface >
Meaning	An admin changed the number of consecutive times that the interface must fail to receive a keepalive before the link is considered to be down.
Action	No recommended action
Message	CISCO-HDLC keepalive up count value is changed from < number > to < number > on interface < interface >
Meaning	An admin changed the number of consecutive times that the interface must receive a keepalive before the link is considered to be up.
Action	No recommended action

Notification (00561)

Message	CISCO-HDLC is up down on interface < interface >
Meaning	The protocol is up or down on the specified interface.
Action	No recommended action

Frame Relay

These messages relate to the Frame Relay encapsulation protocol.

Alert (00086)

Message	[fr/lmi]: < interface > : LMI link down due to errors over threshold (n392)
Meaning	Local Management Interface is down on the specified interface because the number of errors encountered reached the configured DTE error threshold (default is 3).
Action	No recommended action

Notification (00060)

Message	[fr/lmi]: < interface > : DTE DCE
Meaning	The specified interface is configured for DTE or DCE operation.
Action	No recommended action
Message	[fr/lmi]: < interface > LMI : set to enable disable
Meaning	An admin enabled or disabled LMI on the interface.
Action	No recommended action
Message	[fr/lmi]: < interface > LMI : set to ANSI ITU
Meaning	An admin configured the LMI type on the interface as ANSI or ITU.
Action	No recommended action
Message	[fr/lmi]: < interface > LMI: set < parameter > to < value >
Meaning	An admin configured the indicated LMI parameter.
Action	No recommended action
Message	[fr/lmi]: < interface > : Set Del the DLCI for the interface
Meaning	An admin configured the DLCI for the interface.
Action	No recommended action
Message	[fr/lmi]: < interface > : Inverse arp enabled disabled
Meaning	An admin enabled or disabled inverse ARP on the interface.
Action	No recommended action

Notification (00559)

Message	[fr/lmi]: < interface > LMI status change to DOWN UP
Meaning	The LMI status has changed to down or up.
Action	No recommended action
Message	[fr/lmi]: < interface > dlci < id > status change to N(new) D(delete) A(active) I(inactive)
Meaning	The specified DLCI status has changed, as indicated.
Action	No recommended action

Multilink Frame Relay

These messages relate to the Multilink Frame Relay encapsulation protocol.

Alert (00085)

Message	[mlfr/lip]: < interface > detected loop < number > times
Meaning	A link loopback was detected for the indicated number of times.
Action	No recommended action
Message	[mlfr/lip]: the bid < string > in the ADD_LINK packet from link < link > is inconsistent with the received bid < string > on the bundle < bundle >
Meaning	An invalid bundle ID was detected in the received ADD_LINK packet.
Action	Check the bundle ID configuration at the local and remote endpoints.

Notification (00061)

Message	[mlfr/cfg]: set interface < interface > encap as mlfr-uni-nni
Meaning	An admin configured the specified interface for Multilink Frame Relay encapsulation.
Action	No recommended action
Message	[mlfr/cfg]: unset interface < interface > encap from mlfr-uni-nni
Meaning	An admin removed Multilink Frame Relay encapsulation from the specified interface.
Action	No recommended action

Message	[mlfr/cfg]: set MLFR bundle-id as <bundle-id> for multilink interface <interface>
Meaning	An admin configured a bundle link identifier for the specified multilink interface.
Action	No recommended action
Message	[mlfr/cfg]: unset MLFR bundle-id as the name of multilink interface <interface>
Meaning	An admin removed the bundle link identifier from the specified multilink interface.
Action	No recommended action
Message	[mlfr/cfg]: set MLFR drop-timeout as <number> for multilink interface <interface>
Meaning	An admin configured the drop timeout for the specified multilink interface.
Action	No recommended action
Message	[mlfr/cfg]: unset MLFR drop-timeout to 0 (disable) for multilink interface <interface>
Meaning	An admin disabled drop timeout for the specified multilink interface.
Action	No recommended action
Message	[mlfr/cfg]: set MLFR minimum-links as <number> for multilink interface <interface>
Meaning	An admin configured the minimum number of links for the specified multilink interface.
Action	No recommended action
Message	[mlfr/cfg]: unset MLFR minimum-links to default (1) for multilink interface <interface>
Meaning	An admin reset the minimum number of links for the specified multilink interface to the default (1).
Action	No recommended action
Message	[mlfr/cfg]: set lip hello-timer as <number> (s) for bundle link <bundle>
Meaning	An admin configured the rate at which hello messages are sent for the specified multilink interface.
Action	No recommended action

Message	[mlfr/cfg]: unset lip hello-timer to default < number > (s) for bundle link < bundle >
Meaning	An admin reset the rate at which hello messages are sent on the specified multilink interface to the default (10 milliseconds).
Action	No recommended action
Message	[mlfr/cfg]: set lip fragment-threshold as < number > for bundle link < bundle >
Meaning	An admin configured the maximum size for packet payloads for the specified multilink interface.
Action	No recommended action
Message	[mlfr/cfg]: unset bundle link < bundle > lip fragment-threshold to < mtu >
Meaning	An admin reset the maximum size for packet payloads for the specified multilink interface to the default (MTU size of the physical link).
Action	No recommended action
Message	[mlfr/cfg]: set lip acknowledge-retries as < number > for bundle link < bundle >
Meaning	An admin configured the number of retransmission attempts after the acknowledge timer expires for the specified multilink interface.
Action	No recommended action
Message	[mlfr/cfg]: unset lip acknowledge-retries to default < number > for bundle link < bundle >
Meaning	An admin reset the number of retransmission attempts after the acknowledge timer expires for the specified multilink interface to the default (2 times).
Action	No recommended action
Message	[mlfr/cfg]: set lip acknowledge-timer as < number > for bundle link < bundle >
Meaning	An admin configured the maximum period to wait for an acknowledgement for the specified multilink interface.
Action	No recommended action
Message	[mlfr/cfg]: unset lip acknowledge-timer to default < number > for bundle link < bundle >
Meaning	An admin reset the maximum period to wait for an acknowledgement for the specified multilink interface to the default (4 milliseconds).
Action	No recommended action

Message [mlfr/cfg]: add link < interface > to bundle < bundle >
 Meaning An admin added the specified interface to the multilink interface.
 Action No recommended action

Message [mlfr/cfg]: delete link < interface > from bundle < bundle >
 Meaning An admin removed the specified interface from the multilink interface.
 Action No recommended action

Notification (00560)

Message [mlfr/lip]: < link > LIP FSM: ({ Invalid state | Add_sent | Ack_rx | Add_rx | Up | Idle_pending | Idle | Down | Donw_idle } -> { Invalid state | Add_sent | Ack_rx | Add_rx | Up | Idle_pending | Idle | Down | Donw_idle }) by event { Invalid event | ADD_LINK(valid) | ADD_LINK(invalid) | ADD_LINK_ACK | ADD_LINK_REJ | HELLO | HELLO_ACK | REMOVE_LINK | REMOVE_LINK_ACK | T_HELLO_EXP | T_ACK_EXP_Retry | T_ACK_EXP_no_Retry | PH_DEACTIVATE | PH_ACTIVATE | PH_DATA | BL_ACTIVATE | BL_DEACTIVATE | BL_DATA }
 Meaning The indicated event has changed the Link Integrity Protocol state (the previous and new states are shown).
 Action No recommended action

Message [mlfr/lip]: link interface < interface > LIP is up at bundle < bundle >
 Meaning Link Interface Protocol is up on the specified link interface in the bundle.
 Action No recommended action

Message [mlfr/lip]: link interface < interface > LIP is down at bundle < bundle >
 Meaning Link Interface Protocol is down on the specified link interface in the bundle.
 Action No recommended action

Message [mlfr/lip]: change bundle < bundle > physical status to up
 Meaning The specified bundle is up.
 Action No recommended action

Message [mlfr/lip]: change bundle < bundle > physical status to down
 Meaning The specified bundle is down.
 Action No recommended action

PPP

These messages relate to Point-to-Point Protocol (PPP) encapsulation.

Notification (00017)

Message	PPP settings were changed
Meaning	An admin reconfigured PPP.
Action	No recommended action

Alert (00088)

Message	PPP control packet queue on < interface > takes on too many normal number packets.
Meaning	The “too many” message is generated when the queued packet number is too large. The “normal number” message is generated when the number returns back to a normal level.
Action	If the “too many” message appears, check the peer or other task for abnormal operation.

Message	PPP on < interface > detects loopback.
Meaning	PPP found a loopback on the specified interface.
Action	Check to see why the loopback is occurring.

Notification (00063)

Message	PPP profile < profile_name > is created deleted.
Meaning	Ad admin has created or deleted a PPP profile with the specified name.
Action	No recommended action
Message	PPP profile < profile_name > changes authentication type to chap pap chap pap any none
Meaning	An admin changed the authentication method in the specified profile.
Action	No recommended action
Message	PPP profile < profile_name > changes local-name to “ < string > ”
Meaning	An admin changed the local name in the specified profile.
Action	No recommended action

Message	PPP profile <profile_name> changes secret to “ <string> ”
Meaning	An admin changed the password in the specified profile.
Action	No recommended action
Message	PPP profile <profile_name> enable disable passive mode chap.
Meaning	An admin enabled or disabled passive mode in the specified profile.
Action	No recommended action
Message	PPP profile <profile_name> sets [not] to use static ip.
Meaning	An admin set the use of a static IP address in the specified profile.
Action	No recommended action
Message	PPP profile <profile_name> sets netmask <ip_addr> .
Meaning	An admin set a netmask in the specified profile.
Action	No recommended action
Message	PPP set unset encapsulation ppp mlppp for interface <interface> .
Meaning	An admin set or unset PPP or MLPPP encapsulation for the specified interface.
Action	No recommended action
Message	PPP bind unbind profile <profile_name> for interface <interface> .
Meaning	An admin bound or unbound a profile to the specified interface.
Action	No recommended action
Message	PPP enable disable short sequence number for interface <bundle> .
Meaning	An admin set or unset the use of a 12-bit sequence header format in MLPPP packets for the specified multilink interface.
Action	No recommended action
Message	PPP set MRRU <number> for interface <bundle> .
Meaning	An admin set a new maximum received reconstructed unit size for the specified multilink interface.
Action	No recommended action
Message	PPP add delete interface <interface> into from bundle <bundle> .
Meaning	An admin added or deleted an interface to or from the specified bundle.
Action	No recommended action

Notification (00562)

Message	PPP protocol on interface < interface > is up down, local IP: < ip_addr1 > , peer IP: < ip_addr2 >
Meaning	PPP is up or down; the local and peer IP addresses are shown.
Action	No recommended action
Message	PPP updates interface < interface > 's L3 MTU to < number > .
Meaning	Based upon the results of PPP negotiation, the interface's MTU is updated to the specified number.
Action	No recommended action
Message	PPP updates interface < interface > 's IP to < ip_addr > .
Meaning	PPP updated the interface's IP address to the assigned address.
Action	No recommended action
Message	PPP on < interface > resets LCP for < reason > .
Meaning	PPP has reset the Link Control Protocol because of one of the following reasons: <ul style="list-style-type: none"> ■ IPCP finished ■ LCP finished ■ The profile was updated ■ The Hostname was updated ■ LCP failed to come up after negotiation ■ NCP failed to come up after negotiation ■ A profile was not obtained after NCP ■ The IP address could not be modified after NCP ■ The host route could not be set ■ An admin changed the interface's IP address ■ An admin changed the interface's MTU
Action	Check the specified reason.
Message	PPP member < interface > joins bundle < bundle > successfully.
Meaning	The interface successfully joined the specified bundle after LCP.
Action	No recommended action

Message	PPP member < interface > fails to join bundle < bundle > for < reason > .
Meaning	The interface was not able to join the specified bundle for one of the following reasons: <ul style="list-style-type: none"> ■ No empty member entry is available ■ Either side does not negotiate the MRRU ■ The joining member carries a different EPD ■ The peer joining member carries a different MRRU ■ The peer joining member carries a different SSN flag ■ The local joining member carries a different MRRU ■ The local MRU is grater than the local MRRU
Action	Check the specified reason. Make sure both sides of the link are using acceptable parameters.
Message	PPP bundle < bundle > is up down and then brings up down bundle NCP.
Meaning	The specified bundle is up or down, and brings up or down NCP.
Action	No recommended action
Message	PPP LCP on interface < interface > is up down.
Meaning	LCP state on the specified interface changed to up or down.
Action	No recommended action
Message	PPP authentication state on interface < interface > : < state > .
Meaning	PPP authentication state on the specified interface is one of the following: <ul style="list-style-type: none"> ■ Peer failed to authenticate itself ■ Peer authenticated itself successfully ■ Local failed to authenticate itself ■ Local authenticated itself successfully
Action	If either the peer or local failed to authenticate itself, check the user name and password configured on both sides.
Message	PPP on interface < interface > is terminated by missing too many echo reply.
Meaning	The local side sent many Echo-Requests without receiving a reply, so it terminated and then reset the PPP session.
Action	Check to see why the peer failed to reply to the Echo-Requests.
Message	PPP on interface < interface > is terminated by receiving Terminate-Request.
Meaning	The peer sent a request to terminate the PPP session.
Action	No recommended action

WAN

These messages relate to WAN Physical Interface Modules (PIMs).

Critical (00091)

Message	WAN card <slot-number> is not functioning properly and will be restarted.
Meaning	The WAN card in the specified slot is restarting.
Action	No recommended action

