Cisco Nexus 9000 Series NX-OS System Routing Messages Reference, Release 10.3(3)F

Table of Contents

Messages and Recovery Procedures

This chapter lists the system messages by facility. Within each facility, the messages are listed by severity levels 0 to 7: 0 is the highest severity level, and 7 is the lowest severity level. Each message is followed by an explanation and a recommended action.

ICMPV6 Messages

This section contains the ICMPV6 messages.

ICMPV6-2

Error Message `ICMPV6-2-ADJ_FIND: Couldn't find am adjacency for [chars] in [chars]()`

Explanation ICMPv6 could not find AM adjacency

Recommended Action No special action is required.

Error Message `ICMPV6-2-ADJ_RAVL: [chars] in [chars]()`

Explanation ICMPv6 called an AVL API that has failed

Recommended Action No special action is required.

Error Message `ICMPV6-2-DB_RESTORE_OBJ: [chars] in [chars]()`

Explanation ICMPv6 DB restoration from DME object store has failed

Recommended Action No special action is required.

Error Message `ICMPV6-2-MALLOC_FAILED: malloc() failed for allocating [chars] in [chars]()`

Explanation ICMPv6 process is out of heap memory. This could be due to temporary increase in the number of static or dynamic Neighbor Cache Entries(NCEs) to a very high value

Recommended Action Keep running, do nothing special

Error Message `ICMPV6-2-REMOTE_STATIC_EXISTS: Remote static exists for,IPv6 = [chars], VLAN = [dec], IOD = [dec], Interface = [chars]`

Explanation This warning comes when user enter a static ipv6 neighbor entry. This warning indicates that there is already a remote static MAC IP present for this same MAC IP

Recommended Action No special action is required.

ICMPV6-3

Error Message `ICMPV6-3-API_FAILED: [chars] failed in [chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-API_INIT_FAILED: [chars] failed in [chars]() with rc=0x[hex], [chars]`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-API_INTERFACE_FAILED: [chars] failed for [chars] in [chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-BAD_INFO_RECEIVED: Invalid [chars] message type [dec] received in [chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-BITFIELD_FAILED: [chars] failed in [chars]`

    Explanation ICMPV6 process could not execute the bitfield operation.

    Recommended Action Dump core, then reload the stack

Error Message `ICMPV6-3-COUNT_MISMATCH: Mismatch between calculated and received adjacencies: Calculated:[dec] and Received:[dec]`

    Explanation UNEXPECTED_ERROR_EXPLANATION

    Recommended Action Keep running, do nothing special

Error Message `ICMPV6-3-CV_INIT: Couldn't init cond var [chars]`

    Explanation ICMPV6 process failed to initialize conditional-variable resource.

    Recommended Action Dump core, then restart component

Error Message `ICMPV6-3-FHRP_CTXT: Adding virtual ipv6 address for [chars]: non-ipv6 enabled interface [chars] in context [dec]`

    Explanation UNEXPECTED_ERROR_EXPLANATION

    Recommended Action No special action is required.

Error Message `ICMPV6-3-GROUP_PREFIX_IGNORE: Too many Groups in Group Prefix [chars]. Specify the prefix within /120`

    Explanation GPrefix yields too many Groups

    Recommended Action No special action is required.

Error Message `ICMPV6-3-GROUP_RANGE_IGNORE: Too many Groups in Group Range [chars] - [chars]`

    Explanation Group Range yields too many Groups

    Recommended Action No special action is required.

Error Message `ICMPV6-3-IF_INDEX: Invalid interface index received from [dec]`

    Explanation UNEXPECTED_ERROR_EXPLANATION

    Recommended Action Keep running, do nothing special

Error Message `ICMPV6-3-MBUF_OP_FAILED: [chars] for size [dec] failed in [chars]()`

    Explanation An unexpected but manageable event has occurred.);

    Recommended Action No special action is required.

Error Message `ICMPV6-3-MQ_FAILED_NAME: [chars] failed for client [chars], errno: [chars] in [chars]()`

    Explanation An unexpected but manageable event has occurred.);

    Recommended Action No special action is required.

Error Message `ICMPV6-3-MQ_FAILED_PID: [chars] failed to client pid: [dec], errno: [chars] in [chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-MQ_FAILED: [chars] failed, errno: [chars] in [chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-MSG_TO_TLV: TLV Conversion failed ([dec])`

Explanation TLV conversion failed

Recommended Action Report the issue to Customer Support

Error Message `ICMPV6-3-MTS_DROP: Error returned from mts_drop(), errno: [chars]`

Explanation ICMPv6 called a MTS API which returned an error.

Recommended Action Dump core, then restart component

Error Message `ICMPV6-3-MTS_FAILED_NAME: [chars] failed for client [chars], errno: [chars] in [chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-MTS_FAILED_PID: [chars] failed to client pid: [dec], errno: [chars] in [chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-MTS_FAILED: [chars] failed, errno: [chars] in [chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-MTS_RECV: Error returned from mts_recv(), errno: [chars]`

Explanation ICMPv6 called a MTS API which returned an error.

Recommended Action Dump core, then restart component

Error Message `ICMPV6-3-MUTEX_INIT: Couldn't init mutex [chars]`

Explanation ICMPV6 process failed to initialize mutex system resource.

Recommended Action Dump core, then restart component

Error Message `ICMPV6-3-ND_LOG: [chars]`

Explanation Neighbor Discovery process found erroneous configuration on the network

Recommended Action No special action is required.

Error Message `ICMPV6-3-ND_RA_LOG: [chars]`

Explanation Network configuration information obtained from Neighbor Discovery - Router Acknowledgement(RA) packet

Recommended Action No special action is required.

Error Message `ICMPV6-3-PACKET_LENGTH_ERROR: ICMPv6 packet from [chars] is smaller than payload length of [dec] bytes:[chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

Error Message `ICMPV6-3-PT_ADD: Couldn't add element to PT [chars]`

Explanation ICMPv6 failed to update the local database entry.

Recommended Action No special action is required.

Error Message `ICMPV6-3-PT_DEL: Couldn't delete element from PT [chars]`

Explanation ICMPv6 failed to delete the local database entry.

Recommended Action No special action is required.

Error Message `ICMPV6-3-RESERVE_LIMIT: Exceeded reserve-limit for interface [chars] - dropping`

Explanation Exceeded 80 percent of the reserve-limit for interface

Recommended Action No special action is required.

Error Message `ICMPV6-3-STATE_LIMIT: Exceeded state-limit for interface [chars] - dropping`

Explanation Exceeded 80 percent of the state-limit for interface

Recommended Action No special action is required.

Error Message `ICMPV6-3-SYSMGR_DISPATCH: Error returned from sysmgr_dispatch(), errno: [chars]`

Explanation ICMPv6 called a System Manager API which returned an error.

Recommended Action Dump core, then restart component

Error Message `ICMPV6-3-TLV_TO_STRUCT: TLV to Struct Conversion failed ([dec])`

Explanation TLV to Struct conversion failed

Recommended Action Report the issue to Customer Support

Error Message `ICMPV6-3-TXLIST_CREATE: Couldn't create txlist for [chars]`

Explanation ICMPV6 failed to create txlist resource.

Recommended Action Dump core, then restart component

Error Message `ICMPV6-3-VRF_CREATE: ICMPv6 VRF creation failed for vrf [chars]`

Explanation ICMPv6 process could not create the VRF context.

Recommended Action Dump core, then reload the stack

ICMPV6-4

Error Message `ICMPV6-4-M6RIB_SM_ADDR: M6RIB shared memory not valid for mtype:[dec], xid:[dec], count:[dec]`

Explanation M6RIB shared memory being accesses is not valid

Recommended Action No special action is required.

Error Message `ICMPV6-4-MTS_QUEUE_NOT_INITIALIZED: [chars] mts queue not intialized`

Explanation ICMPV6_UNEXPECTED_EXPLANATION

Recommended Action No special action is required.

Error Message `ICMPV6-4-RATE_LIMIT_WARNING: icmpv6 rate limit exceeded in [chars]`

Explanation Num of ipc msgs sent to icmpv6 are rate limited

Recommended Action No special action is required.

ICMPV6-6

Error Message `ICMPV6-6-RESERVE_LIMIT_WARNING: Exceeded 80 percent of the reserve-limit for interface [chars]`

Explanation Exceeded 80 percent of the reserve-limit for interface

Recommended Action No special action is required.

Error Message `ICMPV6-6-STATE_LIMIT_WARNING: Exceeded 80 percent of the state-limit for interface [chars]`

Explanation Exceeded 80 percent of the state-limit for interface

Recommended Action No special action is required.

Error Message `ICMPV6-6-UNKNOWN_OPC: Received unknown mts opcode [dec]`

Explanation ICMPv6 process received unknown Interprocess message, dropped.

Recommended Action No special action is required.

ICMPV6-7

Error Message `ICMPV6-7-IPV6_PACKET_SEND_FAILED: [chars] failed in [chars]()`

Explanation An unexpected but manageable event has occurred.);

Recommended Action No special action is required.

IPV6 Messages

This section contains the IPV6 messages.

IPV6-2

Error Message `IPV6-2-FASTBOOT_MALLOC_FAILED: [chars] failed while [chars]`

Explanation IPv6 process is out of free memory.

Recommended Action No special action is required.

Error Message `IPV6-2-FREAD_FAILED: fread failed [dec] [dec]`

Explanation IPv6 fread failed

Recommended Action No special action is required.

Error Message `IPV6-2-IPV6_MSG_DAD_FAILED: IPv6 DAD failed for [chars]`

Explanation Duplicate address detected over network

Recommended Action No special action is required.

Error Message `IPV6-2-IPV6_MSG_MVSH: [chars]`

Explanation Shutting down interface using mvsh

Recommended Action No special action is required.

Error Message `IPV6-2-IPV6_REDIR: IPv6 Redirect triggered on interface [chars] Source: [chars] Destination: [chars]`

Explanation IPv6 Redirect done on an interface

Recommended Action No special action is required.

Error Message `IPV6-2-LPSS_CREATE: lpss create for [chars] failed with 0x[hex] (errno: [dec])`

Explanation Component API call failed in IPv6.

Recommended Action No special action is required.

Error Message `IPV6-2-LPSS_OPEN: lpss open for [chars] failed with 0x[hex] (errno: [dec])`

Explanation Component API call failed in IPv6.

Recommended Action No special action is required.

Error Message `IPV6-2-RECURSIVE_LOOP: Recursive loop in [chars]`

Explanation There is a recursive function calling loop.

Recommended Action Report the issue to Customer Support

Error Message `IPV6-2-SDB_CREAT: Failed to create shared database`

    Explanation Component API call failed in IPv6.

    Recommended Action No special action is required.

Error Message `IPV6-2-SDB_DESTROY: Failed to destroy shared database, errno: [dec]`

    Explanation Component API call failed in IPv6.

    Recommended Action No special action is required.

Error Message `IPV6-2-SDB_OPEN: Failed to open shared database, err: [chars]`

    Explanation Component API call failed in IPv6.

    Recommended Action No special action is required.

Error Message `IPV6-2-VPC_CONFIG: [chars]`

    Explanation Required config for peer router is not present.

    Recommended Action No special action is required.

IPV6-3

Error Message `IPV6-3-ADDR_OVERLAP: IPv6 Address Overlap: Address configured on interface [chars] overlaps with the one configured on [chars]`

    Explanation Overlapping address configured

    Recommended Action No special action is required.

Error Message `IPV6-3-BAD_CONTEXT: Bad context-id [dec] in [chars]`

    Explanation The context cannot be found

    Recommended Action No special action is required.

Error Message `IPV6-3-FRAME_LENGTH_LONG: Frame length: [dec] greater than maximum IPv6 payload size for packet received on interface [chars]`

    Explanation The packet has too big frame length, dropped.

    Recommended Action No special action is required.

Error Message `IPV6-3-GET_PIB_FAILED: [chars] failed in [chars]`

    Explanation IPv6 could not find client's PIB handle.

    Recommended Action No special action is required.

Error Message `IPV6-3-INVALID_VERSION: Invalid IPv6 version: [dec] for packet received on interface [chars]`

Explanation The packet has invalid protocol version field, dropped.

Recommended Action No special action is required.

Error Message `IPV6-3-IPV6_API_FAILED_IOD: [chars] failed in [chars], iod = [dec]`

Explanation Component API call failed in IPv6.

Recommended Action No special action is required.

Error Message `IPV6-3-IPV6_API_FAILED: [chars] failed in [chars]`

Explanation Component API call failed in IPv6.

Recommended Action No special action is required.

Error Message `IPV6-3-IPV6_CV_INIT: Couldn't init cond var [chars]`

Explanation IPv6 process failed to initialize conditional-variable resource.

Recommended Action Dump core, then restart component

Error Message `IPV6-3-IPV6_MSG_TO_TLV: TLV Conversion failed ([dec])`

Explanation TLV conversion failed

Recommended Action Report the issue to Customer Support

Error Message `IPV6-3-IPV6_MTS_RECV: Error returned from mts_recv(), errno: [chars]`

Explanation IPv6 called a MTS API which returned an error.

Recommended Action Dump core, then restart component

Error Message `IPV6-3-IPV6_MTS_UNKNOWN_MSG: Received unknown MTS message with opcde [dec], dropping it`

Explanation IPv6 recieved an unknown message. The message is dropped

Recommended Action No special action is required.

Error Message `IPV6-3-IPV6_MV_INIT: Couldn't init mutex [chars]`

Explanation IPv6 process failed to initialize mutex system resource.

Recommended Action Dump core, then restart component

Error Message `IPV6-3-IPV6_TLV_TO_STRUCT: TLV to Struct Conversion failed ([dec])`

Explanation TLV to Struct conversion failed

Recommended Action Report the issue to Customer Support

Error Message `IPV6-3-IPV6_TXLIST_CREATE: Couldn't create txlist for [chars]`

Explanation IPv6 failed to create txlist resource.

Recommended Action Dump core, then restart component

Error Message `IPV6-3-M6RIB_ADD_ROUTE: M6RIB add route failed in [chars] for VRF [chars]`

    Explanation IP failed to add route in M6RIB.

    Recommended Action No special action is required.

Error Message `IPV6-3-MALLOC_FAILED_PREFIX: [chars] failed in [chars] for [chars]`

    Explanation IPV6 process is out of free memory.

    Recommended Action No special action is required.

Error Message `IPV6-3-MALLOC_FAILED: [chars] failed in [chars]`

    Explanation IPv6 process is out of free memory.

    Recommended Action No special action is required.

Error Message `IPV6-3-MBUF_FAILED: [chars] failed in [chars] ([dec] bytes)`

    Explanation IPV6 process is out of mbufs.

    Recommended Action No special action is required.

Error Message `IPV6-3-MQ_FAILED_NAME: [chars] failed in [chars] for client [chars], errno: [chars]`

    Explanation IPv6 failed to access message-queue resource for the client.

    Recommended Action No special action is required.

Error Message `IPV6-3-MQ_FAILED_PID: [chars] failed in [chars] to client pid: [dec], errno: [chars]`

    Explanation IPv6 failed to access message-queue resource for the client.

    Recommended Action No special action is required.

Error Message `IPV6-3-MQ_FAILED: [chars] failed in [chars], errno: [chars]`

    Explanation IPv6 failed to access message-queue resource.

    Recommended Action No special action is required.

Error Message `IPV6-3-MTS_FAILED_NAME: [chars] failed in [chars] for client [chars], errno: [chars]`

    Explanation IPv6 failed to access mts-queue resource for the client.

    Recommended Action No special action is required.

Error Message `IPV6-3-MTS_FAILED_PID: [chars] failed in [chars] to client pid: [dec], errno: [chars]`

    Explanation IPv6 failed to access mts-queue resource for the client.

Recommended Action No special action is required.

Error Message `IPV6-3-MTS_FAILED: [chars] failed in [chars], errno: [chars]`

Explanation IPv6 failed to access mts-queue resource.

Recommended Action No special action is required.

Error Message `IPV6-3-PID_CONFLICT: Client is using pid: [dec]/[dec] with different extended pid: [dec]`

Explanation Multiple clients have same process ids.

Recommended Action No special action is required.

Error Message `IPV6-3-PTHREAD_FAILED: [chars] failed for [chars] in [chars]`

Explanation IPv6 process failed to create a task thread.

Recommended Action Dump core, then reload the stack

Error Message `IPV6-3-REG_FAILED: Failed to register with IPv6`

Explanation Component API call failed in IPv6.

Recommended Action No special action is required.

Error Message `IPV6-3-SUBNET_OVERLAP: IPv6 Subnet Overlap: Subnet configured on interface [chars] overlaps with the one configured on [chars]`

Explanation Overlapping subnet configured

Recommended Action No special action is required.

Error Message `IPV6-3-SYSMGR_DISPATCH: Error returned from sysmgr_dispatch(), errno: [chars]`

Explanation IPv6 called a System Manager API which returned an error.

Recommended Action Dump core, then restart component

Error Message `IPV6-3-U6RIB_BAD_IPC: U6RIB corrupted IPC message suspected`

Explanation IPv6 process received invalid IPC message from U6RIB.

Recommended Action No special action is required.

Error Message `IPV6-3-UNKNOWN_MTYPE: Unknown mtype: [dec]/[dec] opcode [dec] in [chars]`

Explanation IPv6 process received unknown Interprocess message, dropped.

Recommended Action No special action is required.

IPV6-4

Error Message `IPV6-4-IPV6_MTS_DROP: Error returned from mts_drop(), errno: [chars]`

Explanation IPv6 called a MTS API which returned an error.

Recommended Action Dump core, then restart component

Error Message `IPV6-4-M6RIB_SM_ADDR: M6RIB shared memory not valid for mtype:[dec], xid:[dec], count:[dec]`

Explanation M6RIB shared memory being accesses is not valid

Recommended Action No special action is required.

IPV6-6

Error Message `IPV6-6-CLIENT_ACK_FAIL: [chars], client_name : [chars], uuid : [hex] (hex), protocol : [dec], SAP : [dec], err : [chars]`

Explanation Failed to send ACK back to client

Recommended Action No special action is required.

Error Message `IPV6-6-FRAME_LENGTH_SHORT: Frame length: [dec] less than IPv6 payload length: [dec] for packet received on interface [chars] from source address [chars]`

Explanation The packet has invalid frame length, dropped.

Recommended Action No special action is required.

Error Message `IPV6-6-IPV6_STATS_ERROR: Failed to get hardware statistics for interface [chars], reason [chars]`

Explanation IPv6 could not get the requested statistics from the hardware.

Recommended Action No special action is required.

Error Message `IPV6-6-v6_REG_SEND_MSG: Suppress PIM6 Data Register for ([chars], [chars]) due to suppression-timer`

Explanation Suppress PIM6 Data Register due to suppression-timer.

Recommended Action No special action is required.

IP Messages

This section contains the IP messages.

IP-2

Error Message `IP-2-CRIT_FAILURE: Failed to [chars]`

Explanation A Critical operation has failed in the IP process

Recommended Action Dump core, then restart component

Error Message `IP-2-IP_NS_NETLINK_CREATE_FAILED: NS ([chars]) Netlink socket create failed ([dec])`

Explanation NS Netlink socket create failed

Recommended Action Report the issue to Customer Support

Error Message `IP-2-IP_STARTUP_FAILURE: Failed to [chars] during startup. error [dec]`

Explanation A Critical operation has failed during startup of the IP process

Recommended Action No special action is required.

Error Message `IP-2-NAT_MAX_LIMIT: NAT: Can't create dynamic translations, [chars]`

Explanation The configured max limit is reached.

Recommended Action No special action is required.

IP-3

Error Message `IP-3-CV_INIT: Couldn't init cond var [chars]`

Explanation IP process failed to initialize conditional-variable resource.

Recommended Action Dump core, then restart component

Error Message `IP-3-INVALID_IF_INDEX: Invalid interface index received from [dec]`

Explanation Invalid interface index received

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_CLIENT_GET: HA client filter recovery failed ([dec])`

Explanation HA client filter recovery failed

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_CLNT_FAILURE: Invalid IP registration reply. Message major type [dec], minor type [dec]`

Explanation An IP client has failed in the registration process with IP

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_FAILURE: Failed to [chars]`

Explanation A Critical operation has failed in the IP process

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_HA_UPDATE: HA update failed ([dec])`

Explanation HA update failed

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_INTERNAL_ERROR: [chars]`

Explanation An internal error has occured in the IP process

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_INTF_DAMPENED: Interface [chars] is suppressed`

Explanation Interface got deactivated for L3 service due to frequent flappings

Recommended Action Please check the interface link. This link is frequently changing

Error Message `IP-3-IP_INTF_UNDAMPENED: Interface [chars] is unsuppressed`

Explanation Interface got activated for L3 service

Recommended Action No special action is required.

Error Message `IP-3-IP_MSG_TO_TLV: TLV Conversion failed ([dec])`

Explanation TLV conversion failed

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_MTSDROP: Error returned from mts_drop(), errno: [chars]`

Explanation IP called a MTS API which returned an error.

Recommended Action No special action is required.

Error Message `IP-3-IP_MTSRECV: Error returned from mts_recv(), errno: [chars]`

Explanation IP called a MTS API which returned an error.

Recommended Action No special action is required.

Error Message `IP-3-IP_MTSSEND: Error returned from mts_send(), errno: [chars]`

Explanation IP called a MTS API which returned an error.

Recommended Action No special action is required.

Error Message `IP-3-IP_NO_MBUF: Failed to allocate mbuf [chars]`

Explanation The IP process has run out of network buffers

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_NO_MEM: Failed to allocate private memory for [chars]`

Explanation The IP process has run out of private memory

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_THR_CREATE: Failed to create [chars] thread. error [dec]`

Explanation A failure occured while creating a thread

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_TLV_TO_STRUCT: TLV to Struct Conversion failed ([dec])`

Explanation TLV to Struct conversion failed

Recommended Action Report the issue to Customer Support

Error Message `IP-3-IP_UNK_MSG: Unrecognized message major type [dec], minor type [dec]`

Explanation An unknown message was received from another process

Recommended Action Report the issue to Customer Support

Error Message `IP-3-MRIB_ADD_ROUTE: MRIB add route failed in [chars] for VRF [chars]`

Explanation IP failed to add route in MRIB.

Recommended Action No special action is required.

Error Message `IP-3-MRIB_DELETE_ROUTE: MRIB delete route failed in [chars] for VRF [chars]`

Explanation IP failed to delete route from MRIB.

Recommended Action No special action is required.

Error Message `IP-3-MV_INIT: Couldn't init mutex [chars]`

Explanation IP process failed to initialize mutex system resource.

Recommended Action Dump core, then restart component

Error Message `IP-3-NO_SH_MEM: Failed to allocate shared memory [chars]`

Explanation The IP process has run out of shared memory

Recommended Action Report the issue to Customer Support

Error Message `IP-3-PSS_API_INIT: Ksink pss API init failed ([dec])`

Explanation Ksink pss API init failed

Recommended Action Report the issue to Customer Support

Error Message `IP-3-TXLIST_CREATE: Couldn't create txlist for [chars]`

Explanation IP failed to create txlist resource.

Recommended Action Dump core, then restart component

Error Message `IP-3-URIB_ERR: Failed to [chars] urib`

Explanation A failure occured in a transaction with URIB

Recommended Action Report the issue to Customer Support

IP-6

Error Message `IP-6-BAD_ICMP_PKT: Received ICMP packet with bad length ([dec]). Min len [dec], Adv len [dec], IP hdr length [dec], Expected IP hdr len [dec]`

Explanation An ICMP packet was received with a bad length

Recommended Action No special action is required.

Error Message `IP-6-IM_RECOVER_ERROR: Failed to recover correct information for interface [chars] [dec]`

Explanation IP could not recover the info for interface

Recommended Action No special action is required.

Error Message `IP-6-IP_MTS_UNKNOWN_MSG: Received unknown MTS message with opcde [dec], dropping it`

Explanation IP recieved an unknown message. The message is dropped

Recommended Action No special action is required.

Error Message `IP-6-IP_UNK_MSG_MAJOR: Unrecognized message from [chars]. Major type [dec]`

Explanation An unknown message (major) was received from another process

Recommended Action Report the issue to Customer Support

Error Message `IP-6-IP_UNK_MSG_MINOR: Unrecognized message from [chars]. Minor type [dec]`

Explanation An unknown message (minor) was received from another process

Recommended Action Report the issue to Customer Support

Error Message `IP-6-MQ_FLUSH: Flushing [dec] messages from the MRIB message queue`

Explanation The MRIB message queue was flushed after a restart of the IP process

Recommended Action No special action is required.

Error Message `IP-6-REG_SEND_MSG: Suppress PIM Data Register for ([chars], [chars]) due to suppression-timer`

Explanation Suppress PIM Data Register due to suppression-timer.

Recommended Action No special action is required.

Error Message `IP-6-STATS_ERROR: Failed to get hardware statistics for interface [chars], reason [chars]`

Explanation IP could not get the requested statistics from the hardware.

Recommended Action No special action is required.

Error Message `IP-6-SYSMAN_CLEANUP: Terminated by SYSMAN cleanup signal [dec]`

Explanation System Manager sent a cleanup signal to IP to exit the process

Recommended Action No special action is required.

IP-7

Error Message `IP-7-INVALID_NOTIFY: [chars]`

> **Explanation** UNEXPECTED_ERROR_EXPLANATION

> **Recommended Action** No special action is required.

NETSTACK Messages

This section contains the NETSTACK messages.

NETSTACK-2

Error Message `NETSTACK-2-ERR_RLIMIT: [chars]`

> **Explanation** Rlimit set or get failed

> **Recommended Action** No special action is required.

Error Message `NETSTACK-2-NS_TSP_INIT: tsp init failed: [chars]`

> **Explanation** TSP Initialization failed

> **Recommended Action** No special action is required.

Error Message `NETSTACK-2-SVC_CLEANUP: sysmgr conditional srv cleanup: [chars]`

> **Explanation** Service cleanup failed

> **Recommended Action** No special action is required.

Error Message `NETSTACK-2-TIMER_INIT: active timer init failed: [chars]`

> **Explanation** Timer Initialization failed

> **Recommended Action** No special action is required.

PM Messages

This section contains the PM messages.

PM-2

Error Message `PM-2-PTP_INIT_FAILURE: [chars]:[chars]`

> **Explanation** PM ptp initialization has failed

> **Recommended Action** No special action is required.

Error Message `PM-2-STARTUP_FAILURE: Failed to [chars] during startup. error [dec]`

> **Explanation** A Critical operation has failed during startup of the PM process

> **Recommended Action** No special action is required.

PM-3

Error Message `PM-3-API_FAILED: External API failed ([chars])`

    Explanation External API failed

    Recommended Action Report the issue to Customer Support

Error Message `PM-3-ARG_ERR: Argument error ([chars]): [chars]`

    Explanation An argument to a PM call is invalid

    Recommended Action Report the issue to Customer Support

Error Message `PM-3-CLNT_FAILURE: Failed to [chars] from client`

    Explanation A PM client operation has failed

    Recommended Action Report the issue to Customer Support

Error Message `PM-3-CPI_ERR: [chars]`

    Explanation A failure occured in the communication with the CPI

    Recommended Action Report the issue to Customer Support

Error Message `PM-3-DUP_REG_ERR: [chars] is already registered with PM`

    Explanation A PM client tried to register more than once with PM

    Recommended Action Report the issue to Customer Support

Error Message `PM-3-ERROR: Failed to [chars]`

    Explanation A Critical operation has failed in the PM process

    Recommended Action Report the issue to Customer Support

Error Message `PM-3-ETH_STUB_ERR: [chars]`

    Explanation A failure occured in the ethernet stub module

    Recommended Action Report the issue to Customer Support

Error Message `PM-3-HA_UPDATE: HA update failed ([dec])`

    Explanation HA update failed

    Recommended Action Report the issue to Customer Support

Error Message `PM-3-IF_INDEX: Invalid interface index received from [dec]`

    Explanation Invalid interface index received

    Recommended Action Report the issue to Customer Support

Error Message `PM-3-INTERNAL_ERROR: [chars]`

Explanation An internal error has occured in the PM process

Recommended Action Report the issue to Customer Support

Error Message `PM-3-IPC_ERR: [chars]`

Explanation A failure occured while communicating with another process

Recommended Action Report the issue to Customer Support

Error Message `PM-3-MQ_SEND: Failed to send message [chars] (err: [chars])`

Explanation A message queue send operation failed

Recommended Action Report the issue to Customer Support

Error Message `PM-3-MSG_TO_TLV: TLV Conversion failed ([dec])`

Explanation TLV conversion failed

Recommended Action Report the issue to Customer Support

Error Message `PM-3-MTS_DROP: [chars]:Error returned from mts_drop(), errno: [chars] opcode [dec]`

Explanation PM called a MTS API which returned an error.

Recommended Action No special action is required.

Error Message `PM-3-MTS_RECV: Error returned from mts_recv(), errno: [chars]`

Explanation PM called a MTS API which returned an error.

Recommended Action No special action is required.

Error Message `PM-3-MTS_SEND: Failed to send message [chars] (err: [chars])`

Explanation PM called a MTS API which returned an error.

Recommended Action No special action is required.

Error Message `PM-3-NO_MBUF: Failed to allocate mbuf [chars]`

Explanation The PM process has run out of network buffers

Recommended Action Report the issue to Customer Support

Error Message `PM-3-NO_MEM: Failed to allocate private memory for [chars]`

Explanation The PM process has run out of private memory

Recommended Action Report the issue to Customer Support

Error Message `PM-3-PSS_API_INIT: Ksink pss API init failed ([dec])`

Explanation Ksink pss API init failed

Recommended Action Report the issue to Customer Support

Error Message `PM-3-PSS_REGISTER: PSS register failed ([dec])`

Explanation PSS register failed

Recommended Action Report the issue to Customer Support

Error Message `PM-3-RP2RP_ERR: [chars]`

Explanation A failure occured in the communication with the other RP

Recommended Action Report the issue to Customer Support

Error Message `PM-3-THR_CREATE: Failed to create [chars] thread. error [dec]`

Explanation A failure occured while creating a thread

Recommended Action Report the issue to Customer Support

Error Message `PM-3-TLV_TO_STRUCT: TLV to Struct Conversion failed ([dec])`

Explanation TLV to Struct conversion failed

Recommended Action Report the issue to Customer Support

Error Message `PM-3-UNK_MSG_MAJOR: Unrecognized message from [chars]. Major type [dec]`

Explanation An unknown message (major) was received from another process

Recommended Action Report the issue to Customer Support

Error Message `PM-3-UNK_MSG_MINOR: Unrecognized message from [chars]. Minor type [dec]`

Explanation An unknown message (minor) was received from another process

Recommended Action Report the issue to Customer Support

Error Message `PM-3-UNK_MSG: Unrecognized message in [chars] thread. major type [dec], minor type [dec]`

Explanation An unknown message was received from another process

Recommended Action Report the issue to Customer Support

PM-5

Error Message `PM-5-NOTICE: [chars]`

Explanation An unexpected event has occured

Recommended Action No special action is required.

PM-6

Error Message `PM-6-CLIENT_GET: HA client filter recovery failed ([dec])`

Explanation HA client filter recovery failed

Recommended Action Report the issue to Customer Support

Error Message `PM-6-IF_INIT: Interface [chars] has been initialised`

Explanation An interface has been initialised

Recommended Action No special action is required.

Error Message `PM-6-IF_MEMB_GET: HA if-membership recovery failed ([dec])`

Explanation HA if-membership recovery failed

Recommended Action Report the issue to Customer Support

Error Message `PM-6-MSG: [chars]`

Explanation A generic message to the user

Recommended Action No special action is required.

Error Message `PM-6-MTS_UNKNOWN_MSG: Received unknown MTS message with opcde [dec], dropping it`

Explanation PM recieved an unknown message. The message is dropped

Recommended Action No special action is required.

Error Message `PM-6-VDC_MEMB_GET: HA vdc-membership recovery failed ([dec])`

Explanation HA vdc-membership recovery failed

Recommended Action Report the issue to Customer Support

TCP Messages

This section contains the TCP messages.

TCP-2

Error Message `TCP-2-APICLOSE: [chars]: Unable to close [chars] API`

Explanation Can't close api

Recommended Action Reload the stack

Error Message `TCP-2-APIINIT: [chars]: Unable to initialize [chars] API`

Explanation Can't init api

Recommended Action Reload the stack

Error Message `TCP-2-ATTACH: [chars]: Unable to attach to [chars]`

Explanation Can't attach shared memoty

Recommended Action Reload the stack

Error Message `TCP-2-CLIENT_RECOVERY_FAILED: [chars]: Client recovery [chars] failed. Please restart process [chars].`

    Explanation Client recovery failed

    Recommended Action Restart component

Error Message `TCP-2-CLI_CONFCHECK_ADD: TCP MSS capability add failed.`

    Explanation Ip tcp mss command failed

    Recommended Action No special action is required.

Error Message `TCP-2-CLI_CONFCHECK_DELETE: TCP MSS capability delete failed.`

    Explanation No ip tcp mss command failed

    Recommended Action No special action is required.

Error Message `TCP-2-COND_DESTROY: [chars]: pthread_cond_destroy failed, error [chars]`

    Explanation No system resources

    Recommended Action Reload the stack

Error Message `TCP-2-COND_INIT: [chars]: pthread_cond_init failed, error [chars]`

    Explanation No system resources

    Recommended Action Reload the stack

Error Message `TCP-2-COND_WAIT: [chars]: pthread_cond_wait failed, error [chars]`

    Explanation No system resources

    Recommended Action Reload the stack

Error Message `TCP-2-DEREGISTER: [chars]: Unable to deregister to [chars]`

    Explanation Can't deregister with component

    Recommended Action Reload the stack

Error Message `TCP-2-ENQUEUE: [chars]: Unable to enqueue [chars] to [chars]`

    Explanation Can't insert client structure in client list

    Recommended Action Restart component

Error Message `TCP-2-LARGE_PKT: [chars]: Packet size greater than 65535 bytes, len [dec]`

    Explanation Packet size greater than 65535 bytes

    Recommended Action Restart component

Error Message `TCP-2-MGETHDR: [chars]: MGETHDR failed, error [chars]`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-2-MISMATCH_LEN: [chars]: Mismatch in mbuf len ([dec]) and IP len ([dec])`

Explanation Mismatch in mbuf len and IP len

Recommended Action Restart component

Error Message `TCP-2-MPREPEND: [chars]: m_prepend failed for connection, L: [chars].[dec], F: [chars].[dec], error [chars]`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-2-MPULLUP: [chars]: m_pullup failed for [chars], error [chars]`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-2-MTS_BIND: [chars]: Unable to bind to [chars] mts queue: [chars]`

Explanation TCP called a MTS API which returned an error.

Recommended Action Reload the stack

Error Message `TCP-2-MUTEX_DESTROY: [chars]: pthread_mutex_destroy failed, error [chars]`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-2-MUTEX_INIT: [chars]: pthread_mutex_init failed, error [chars]`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-2-MUTEX_LOCK: [chars]: pthread_mutex_lock failed, error [chars]`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-2-MUTEX_TRYLOCK: [chars]: pthread_mutex_trylock failed, error [chars]`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-2-MUTEX_UNLOCK: [chars]: pthread_mutex_unlock failed, error [chars]`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-2-PANIC: [chars]: PANIC: [chars]`

Explanation Internal TCP error

Recommended Action Reload the stack

Error Message `TCP-2-PTHREAD: [chars]: procket_pthread_create failed for [chars]: error [dec]`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-2-REGISTER: [chars]: [chars] failed`

Explanation Can't register with component

Recommended Action Reload the stack

Error Message `TCP-2-SETSCHED: [chars]: Could not set scheduling or priority`

Explanation Could not set scheduling or priority

Recommended Action Reload the stack

Error Message `TCP-2-SOOPEN: socket open failed, errno [dec]`

Explanation Socket open failed

Recommended Action No special action is required.

Error Message `TCP-2-TSP_INIT: [chars]: Could not initialize tsp locking library`

Explanation Could not initilize locking library

Recommended Action Reload the stack

TCP-3

Error Message `TCP-3-ALLOC: Error returned from calloc(), errno: [chars]`

Explanation TCP called a calloc API which returned an error.

Recommended Action No special action is required.

Error Message `TCP-3-BADSIG: [chars]: Should not have received signal [dec]`

Explanation Unexpected signal

Recommended Action No special action is required.

Error Message `TCP-3-CLIENT_DELETE: [chars]: Could not delete client "[chars]" pid [dec] error [chars]`

Explanation Can't delete client from clients list

Recommended Action Restart component

Error Message `TCP-3-CLIENT_NULL: [chars]: Client struct for pid [dec] not found`

Explanation Can't find client for pid

Recommended Action Restart component

Error Message `TCP-3-DOMAININIT: [chars]: domaininit: [chars] sw[[dec]] has no usrreqs`

Explanation Bkoken domain structure

Recommended Action Restart component

Error Message `TCP-3-FORK_ERROR: [chars]: Parent of the forked child did not create state for child [dec]:[dec]`

Explanation Parent process did not create state necessary for child process registeration

Recommended Action Report the issue to Customer Support

Error Message `TCP-3-INVALIDPARAM: [chars]: Invalid [chars]`

Explanation Invalid parameter

Recommended Action Restart component

Error Message `TCP-3-IP_PROT_UNKNOWN: [chars]: Unknown protocol in IP message [dec]`

Explanation IP sent a packet with unknown protocol ID

Recommended Action Restart component

Error Message `TCP-3-MBUF_COPY: [chars]: Unable to do m_copyback`

Explanation No system resources

Recommended Action Reload the stack

Error Message `TCP-3-MSG_MAJOR_UNKNOWN: [chars]: Unknown message major [dec], minor [dec]`

Explanation Unknown major type

Recommended Action Restart component

Error Message `TCP-3-MSG_MINOR_UNKNOWN: [chars]: Unknown minor message type [dec] from [chars]`

Explanation Unknown minor type

Recommended Action Restart component

Error Message `TCP-3-MTS_RESPOND: Error returned from mts_send_response(), errno: [chars]`

Explanation TCP called a MTS API which returned an error.

Recommended Action No special action is required.

Error Message `TCP-3-NOMBUF: [chars]: Unable to get mbuf`

   Explanation No system resources

   Recommended Action Reload the stack

Error Message `TCP-3-NOMEM: [chars]: malloc failed for: [chars]`

   Explanation No system resources

   Recommended Action Reload the stack

Error Message `TCP-3-PROCTERM_NOTIFY: [chars]: Termination notification request failed for pid [dec]`

   Explanation Request for process termination notification has failed. This could lead to TCP memory leak over period of time

   Recommended Action Report the issue to Customer Support

Error Message `TCP-3-SM_CREATE: [chars]: Shared memory "[chars]" create failed, error [dec]`

   Explanation No system resources

   Recommended Action Reload the stack

Error Message `TCP-3-SOCKET_COLL_FOUND: [chars]: Socket collision found for client: "[chars]", pid [dec]`

   Explanation Two clients selected on the same socket

   Recommended Action No special action is required.

Error Message `TCP-3-SOCKET_COLL: [chars]: Socket collision, old client: "[chars]", pid: [dec], new client: "[chars]", pid: [dec]`

   Explanation Two clients selected on the same socket

   Recommended Action No special action is required.

Error Message `TCP-3-SOCREATE: [chars]: socreate create failed for client "[chars]" pid [dec] error [chars]`

   Explanation Can't create socket. See errno for details Reload software if no memory.

   Recommended Action Restart component

Error Message `TCP-3-TCP_MD5_AUTH_FAILURE: [chars]:Dropping packets from src:[chars].[dec],dst:[chars].[dec]`

   Explanation TCP recieved packet which fails authentication. The packet is dropped

   Recommended Action No special action is required.

Error Message `TCP-3-TCP_MD5_ERROR: [chars]:[chars]`

Explanation General MD5 error messages

Recommended Action No special action is required.

Error Message `TCP-3-TCP_MTS_DROP: Error returned from mts_drop(), errno: [chars]`

Explanation TCP called a MTS API which returned an error.

Recommended Action No special action is required.

Error Message `TCP-3-TCP_MTS_RECV: [chars]: mts_recv() failed on [chars] queue: [chars]`

Explanation TCP called a MTS API which returned an error.

Recommended Action Reload the stack

Error Message `TCP-3-TCP_STRUCT_TO_TLV: Structure to TLV failed, errno: [chars]`

Explanation TLV conversion failed

Recommended Action No special action is required.

Error Message `TCP-3-TCP_TLV_TO_STRUCT: Structure to TLV failed, errno: [chars]`

Explanation TLV conversion failed

Recommended Action No special action is required.

Error Message `TCP-3-TIMER_CANCEL: [chars]: Timer cancel failed for [chars]`

Explanation No system resources

Recommended Action Restart component

Error Message `TCP-3-TIMER_CREATE: [chars]: Timer create failed for [chars]`

Explanation No system resources

Recommended Action Restart component

Error Message `TCP-3-TIMER_INIT: [chars]: Timer init failed`

Explanation No system resources

Recommended Action Restart component

Error Message `TCP-3-TIMER_START: [chars]: Timer start failed for [chars]`

Explanation No system resources

Recommended Action Restart component

TCP-4

Error Message `TCP-4-TCP_MD5_KEYCHAIN_WARNING: Unsupported keychain crypto algorithm [chars] configured for client:[chars]. Falling back to MD5 as default crypto.`

Explanation General MD5 warning messages

Recommended Action No special action is required.

TCP-6

Error Message `TCP-6-EXISTS: [chars]: Child Exists: [dec], ppid [dec]`

Explanation Child already registered

Recommended Action Report the issue to Customer Support

Error Message `TCP-6-NOT_FOUND: [chars]: Parent not found: [dec], cpid [dec]`

Explanation Parent process not found

Recommended Action Report the issue to Customer Support

Error Message `TCP-6-TCP_MTS_UNKNOWN_MSG: Received unknown MTS message with opcde [dec], dropping it`

Explanation TCP recieved an unknown MTS message. The message is dropped

Recommended Action No special action is required.