Cisco Nexus 9000 Series NX-OS System Routing Messages Reference, Release 10.4(2)F

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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.

ARP Messages

This section contains the ARP messages.

ARP-2

Error Message `ARP-2-AM_PIB: Failed to acquire AM handle [chars]`

>**Explanation** An unrecoverable software error has occurred during arp initialization.
>
>**Recommended Action** Reload the stack

Error Message `ARP-2-AM_REG: Failed to register as a client of AM [chars]`

>**Explanation** An unrecoverable software error has occurred during arp initialization.
>
>**Recommended Action** Reload the stack

Error Message `ARP-2-API_INITIALIZE: Failed to initialize [chars] API with rc=0x[hex], [chars]`

>**Explanation** An unrecoverable software error has occurred during arp initialization.
>
>**Recommended Action** Reload the stack

Error Message `ARP-2-API_INIT: Failed to initialize [chars] API`

>**Explanation** An unrecoverable software error has occurred during arp initialization.
>
>**Recommended Action** Reload the stack

Error Message `ARP-2-CLI_INIT: Failed to initialize CLI`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-DUP_SRCIP: Source address of packet received from [chars] on [chars] is duplicate of local, [chars]`

Explanation There may be another router on this network that is configured with the same IP address.

Recommended Action Check all routers on the interface for misconfiguration.

Error Message `ARP-2-DUP_SRC_IP: Source address of packet received from [chars] on [chars]([chars]) is duplicate of local, [chars]`

Explanation There may be another router on this network that is configured with the same IP address.

Recommended Action Check all routers on the interface for misconfiguration.

Error Message `ARP-2-DUP_STATIC: [chars] static exists for, IP=[chars], VLAN=[dec], IOD=[dec], Interface=[chars]`

Explanation Informational log about a system event.

Recommended Action No special action is required.

Error Message `ARP-2-MQ_OPEN: Failed to open message queue [chars]: [chars]`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-MQ_RECV: Message queue receive failed on [chars] queue: [chars]`

Explanation An unexpected fatal error has occurred.

Recommended Action Reload the stack

Error Message `ARP-2-MTS_BIND: Failed to do mts_bind for [chars]: [chars]`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-MTS_OPC_SET: Failed to register with opcode [dec]: [chars]`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-MTS_RECV_FAIL: [chars] as MTS queue receive failed: [chars]`

Explanation An unexpected fatal error has occurred.

Recommended Action Reload the stack

Error Message `ARP-2-MTS_RECV: MTS queue receive failed on [chars] queue: [chars]`

Explanation An unexpected fatal error has occurred.

Recommended Action Reload the stack

Error Message `ARP-2-SET_SCHED: Failed to set policy or priority`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-SHM_CREAT: Failed to create [chars] shared memory`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-SVR_REG: Failed to register as a client of [chars]`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-SYSMGR_NOTIFY: Bad notification from sysmgr for [chars]`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-SYSMGR_QUERY: Failed to query sysmgr for [chars]`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-SYSMGR_UUID: Failed to get uuid from sysmgr during [chars]`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-THREAD_FAIL: Failed to start [chars] thread`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-THR_CREAT: Failed to create thread [chars]: error [dec]`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-TIMERS_INIT: Failed to initialize timers`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

Error Message `ARP-2-TIMER_SET: Failed to initialize new timer set`

Explanation An unrecoverable software error has occurred during arp initialization.

Recommended Action Reload the stack

ARP-3

Error Message `ARP-3-ADJ_ADD_CONTROL: Failed to add adjacency by contol plane. Host ip address : [chars]`

Explanation Due to this failure, Traffic forwarding to the host may be affected.

Recommended Action No special action is required.

Error Message `ARP-3-ADJ_ADD_PEER_SYNC: Failed to add PS adjacency from L2RIB. Host ip address`

: [chars]

Explanation Due to this failure, Traffic forwarding to the host may be affected.

Recommended Action No special action is required.

Error Message `ARP-3-ADJ_ADD: Failed to add adjacency for received packet from [chars] on [chars]`

Explanation Due to this failure, packet forwarding to this address will be affected until the next successful retrial.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-ADJ_DEL_CONTROL: Failed to delete adjacency by contol plane. Host ip address : [chars]`

Explanation Due to this failure, Traffic forwarding to the host continue to happen.

Recommended Action No special action is required.

Error Message `ARP-3-ADJ_DEL_PEER_SYNC: Failed to delete PS adjacency from L2RIB. Host ip address : [chars]`

Explanation Due to this failure, Traffic forwarding to the host continue to happen.

Recommended Action No special action is required.

Error Message `ARP-3-ADJ_UPD: Failed to update adjacency for received packet from [chars] on [chars]`

Explanation Due to this failure, packet forwarding will continue to use the existing ARP adjacency entry values.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-API_MQ_INVAL: ARP API Error: Invalid ARP message queue in [chars]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-3-API_MQ_SEND: ARP API Error: Failed to send [chars] to [chars] queue: [chars]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-3-API_MTS_INVAL: ARP API Error: Invalid ARP MTS queue in [chars]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-3-API_MTS_SEND: ARP API Error: Failed to send [chars] to [chars] queue: [chars]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-3-ARP_CACHE_PER_INTF_LIMIT_EXCEEDED: ARP cache entries [dec] exceeded, the configured limit [dec] for Interface [chars]`

Explanation ARP cache entries for given interface exceeded, the configured limit

Recommended Action Keep running, do nothing special

Error Message `ARP-3-ARP_CACHE_PER_INTF_LIMIT_EXCEEDING: ARP cache entries exceeded configured limit [dec] for interface [chars]`

Explanation ARP cache entries for given interface is exceeding, the configured limit

Recommended Action Keep running, do nothing special

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

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-DAI_FETCH_ERR: DAI lookup failed, callback function returned 0x[hex] ([chars]) for [chars] [chars]`

Explanation DAI lookup failed

Recommended Action Keep running, do nothing special

Error Message `ARP-3-DUP_SRCIP_PROBE: Duplicate address Detected. Probe packet received from [chars] on [chars] with destination set to our local ip, [chars]`

Explanation There may be another router on this network that is configured with the same IP address.

Recommended Action Check all routers on the interface for misconfiguration.

Error Message `ARP-3-DUP_SRC_IP_PROBE: Duplicate address Detected. Probe packet received from [chars] on [chars]([chars]) with destination set to our local ip, [chars]`

Explanation There may be another router on this network that is configured with the same IP address.

Recommended Action Check all routers on the interface for misconfiguration.

Error Message `ARP-3-DUP_VADDR_SRCIP_PROBE: Duplicate address Detected. Probe packet received from [chars] on [chars] with destination set to our local Virtual ip, [chars]`

Explanation There may be another router on this network that is configured with the same IP address.

Recommended Action Check all routers on the interface for misconfiguration.

Error Message `ARP-3-DUP_VADDR_SRCIP: Source address of packet received from [chars] on [chars] is duplicate of local virtual ip, [chars]`

Explanation There may be another router on this network that is configured with the same IP address.

Recommended Action Check all routers on the interface for misconfiguration.

Error Message `ARP-3-DUP_VADDR_SRC_IP_PROBE: Duplicate address Detected. Probe packet received from [chars] on [chars]([chars]) with destination set to our local Virtual ip, [chars]`

Explanation There may be another router on this network that is configured with the same IP address.

Recommended Action Check all routers on the interface for misconfiguration.

Error Message `ARP-3-DUP_VADDR_SRC_IP: Source address of packet received from [chars] on [chars]([chars]) is duplicate of local virtual ip, [chars]`

Explanation There may be another router on this network that is configured with the same IP address.

Recommended Action Check all routers on the interface for misconfiguration.

Error Message `ARP-3-DUP_VIRT_SRCIP: Source address of packet received from [chars] on [chars]`
`is duplicate of local virtual ip, [chars]`

>   **Explanation** There may be another router on this network that is configured with the same IP address.

>   **Recommended Action** Check all routers on the interface for misconfiguration.

Error Message `ARP-3-DUP_VIRT_SRC_IP: Source address of packet received from [chars] on`
`[chars]([chars]) is duplicate of local virtual ip, [chars]`

>   **Explanation** There may be another router on this network that is configured with the same IP address.

>   **Recommended Action** Check all routers on the interface for misconfiguration.

Error Message `ARP-3-GRAT_ETH: Sending gratuitous arp for [chars] on invalid interface [chars],`
`not ethernet`

>   **Explanation** An unexpected but recoverable error has occurred.

>   **Recommended Action** Keep running, do nothing special

Error Message `ARP-3-GRAT_IOD: Sending gratuitous ARP for [chars] on an invalid interface [dec]`

>   **Explanation** An unexpected but recoverable error has occurred.

>   **Recommended Action** Keep running, do nothing special

Error Message `ARP-3-GRAT_IP: Sending gratuitous ARP request for [chars] IP address [chars] on`
`[chars]`

>   **Explanation** An unexpected but recoverable error has occurred.

>   **Recommended Action** Keep running, do nothing special

Error Message `ARP-3-GRAT_NON_AM: Sending gratuitous arp for [chars] on invalid interface`
`[chars]`

>   **Explanation** An unexpected but recoverable error has occurred.

>   **Recommended Action** Keep running, do nothing special

Error Message `ARP-3-GRAT_P2P: Sending gratuitous arp for [chars] on invalid interface [chars], point-to-point`

   Explanation An unexpected but recoverable error has occurred.

   Recommended Action Keep running, do nothing special

Error Message `ARP-3-HDR_ERR: Failed to get ARP header, expected [dec], got [dec] bytes`

   Explanation An unexpected but recoverable error has occurred.

   Recommended Action Keep running, do nothing special

Error Message `ARP-3-HDR_L2LEN_ERR: Received packet with incorrect layer 2 address length ([dec] bytes), [chars] with S/D MAC: [chars] [chars] eff_ifc [chars]([dec]), log_ifc [chars]([dec]), phy_ifc [chars]([dec])`

   Explanation An unexpected but recoverable error has occurred.

   Recommended Action Keep running, do nothing special

Error Message `ARP-3-HDR_L3LEN_ERR: Received packet with incorrect layer 3 address length ([dec] bytes)`

   Explanation An unexpected but recoverable error has occurred.

   Recommended Action Keep running, do nothing special

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

   Explanation An unexpected but recoverable error has occurred.

   Recommended Action Keep running, do nothing special

Error Message `ARP-3-IM_EXT: Couldn't set IM-extension for interface [chars]`

   Explanation ARP process failed to set IM extension.

   Recommended Action No special action is required.

Error Message `ARP-3-INVAL_HDR_HRD_TYPE: Found incorrect hardware type in ARP header: [dec], source-mac : [chars]`

   Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-INVAL_HDR_PROT_TYPE: Found incorrect protocol type in ARP header: 0x[hex]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-INVAL_STATE: Unrecognized ARP entry state in timer callback: [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-MAC_ERR: Failed to get MAC address on [chars] for [chars]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-3-MBUF_ERR: Failed to get the remainder of packet, expected [dec], got [dec] bytes`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-MTS_DROP: MTS drop failed on [chars] queue: [chars]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-NO_MBUF: Failed to allocate buffer for [chars]`

Explanation The system may have run out of packet memory buffers.

Recommended Action Report the issue to Customer Support

Error Message `ARP-3-NO_MEM: Malloc failed for [chars] [chars]`

Explanation The system may be low on memory.

Recommended Action Out of memory. Add more memory to the router

Error Message `ARP-3-NO_SMEM: Shared memory allocation failed for [chars] [chars]`

Explanation ARP Shared memory might be used up

Recommended Action Out of memory. Add more memory to the router

Error Message `ARP-3-PKT_ENCAP: Failed to encapsulate packet`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-PKT_OUT: Failed to send packet to PM`

Explanation PM's message queue may be temporarily full.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-REQ_ADD: Failed to add adjacency while sending request for [chars] on [chars], request from pid: [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-REQ_ETH: Sending ARP request for [chars] on invalid interface [chars], not ethernet, request from pid: [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-REQ_IOD: Sending ARP request for [chars] on an invalid interface [dec], request from pid: [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-REQ_IP: Dropping ARP request for [chars] IP address [chars] on [chars], request from pid: [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-TIMER_RSTART: Failed to restart timer 0x[hex] for [chars] on [chars]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-3-VRRPQ_ADD: Failed to add VRRP queue entry for [chars], [chars] on [chars]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-VRRPQ_IP: Trying to add invalid IP address [chars] on [chars] to vrrp queue`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-VRRP_ETH: Adding vrrp arp for [chars]: invalid interface [chars], not ethernet`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-VRRP_IOD: Adding vrrp arp for [chars]: invalid interface [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-VRRP_NON_AM: Sending vrrp arp for [chars] on invalid interface [chars]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-3-VRRP_P2P: Sending vrrp arp for [chars] on invalid interface [chars], point-to-point`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

ARP-4

Error Message `ARP-4-DIR_BCAST: [chars] address of packet received from [chars] on [chars] matches directed broadcast address, [chars]`

> **Explanation** There may be a configured subnet mask-length mismatch among router interfaces connected on this LAN.

> **Recommended Action** Check all routers on the interface for misconfiguration.

Error Message `ARP-4-DUP_IP: ARP entry found with duplicate IP address [chars] on [chars]`

> **Explanation** There may be another router on this network that is configured with the same IP address.

> **Recommended Action** Check all routers on the interface for misconfiguration.

Error Message `ARP-4-INVAL_IP: Received packet with invalid [chars] IP address ([chars]) from [chars] on [chars]`

> **Explanation** There may be a connected router sending packets with a bogus IP address.

> **Recommended Action** Check all routers on the interface for misconfiguration.

Error Message `ARP-4-INVAL_MAC: Received packet with invalid [chars] MAC address ([chars]) from [chars] on [chars]`

> **Explanation** There may be a connected router sending packets with a bogus MAC address.

> **Recommended Action** Check all routers on the interface for misconfiguration.

Error Message `ARP-4-OWN_SRCMAC: Received packet with a local source MAC address ([chars]) from [chars] on [chars]`

> **Explanation** There may be a connected router sending packets with local MAC address.

> **Recommended Action** Check all routers on the interface for misconfiguration.

ARP-5

Error Message `ARP-5-MQ_MINOR: Received unknown minor message type ([dec]) from [chars]`

> **Explanation** An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-5-MQ_UNEXP: Received unexpected message ([dec]/[dec]) on [chars] queue`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-5-MSG_UNK: Received unknown % type: [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-5-MTS_OPC_UNK: Received unknown MTS opcode [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-5-UNK_IP_NOTIF: Unrecognized IP address change notification type [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-5-UNK_MSG_MINOR: Unrecognized [chars] message minor type [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

Error Message `ARP-5-UNK_SIG: Received unknown signal [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action No special action is required.

ARP-6

Error Message `ARP-6-REQ_NON_AM: Sending ARP request for [chars] on invalid interface [chars] request from pid: [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-6-REQ_P2P: Sending ARP request for [chars] on invalid interface [chars], point-to-point, request from pid: [dec]`

Explanation An unexpected but recoverable error has occurred.

Recommended Action Keep running, do nothing special

Error Message `ARP-6-SYSMAN_CLEANUP: Terminated by SYSMAN cleanup signal`

Explanation Informational log about a system event.

Recommended Action No special action is required.

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-ADJ_ADD: Failed to add adjacency for received packet from [chars] on [chars]`

Explanation Due to this failure, packet forwarding to this address will be affected until the next successful retrial.

Recommended Action No special action is required.

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.