



## High Availability (HA) Messages

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This section contains all High Availability related System Error Messages.

### CDM\_CLI Messages

#### Error Message

```
%HA-CDM_CLI-3-MUTEX_COUNT  Mutex(0x[pointer]) locked already is being locked  
again, count equals [dec]
```

**Explanation** A mutex is being locked more than once in the same thread.

**Recommended Action** Collect coredump and dll info for the process printing the msg.

#### Error Message

```
%HA-CDM_CLI-7-BAD_BUFFER  A client library returned an empty buffer: [chars]  
[chars]
```

**Explanation** --

**Recommended Action** Collect system log information.

#### Error Message

```
%HA-CDM_CLI-7-BUFFER_MISMATCH  Buffer size mismatch: [dec]: [dec]
```

**Explanation** --

**Recommended Action** Collect system log information.

#### Error Message

```
%HA-CDM_CLI-7-INVALID_ARG  An invalid argument was passed: [chars]
```

**Explanation** An argument was passed with an invalid value.

**Recommended Action** Collect system log information.

# CDM\_MEMMGR\_HEAP Messages

## Error Message

%HA-CDM\_MEMMGR\_HEAP-7-BAD\_HEAPIDX heap index [hex] (seg [dec] offset [dec] segsize [dec]) cannot be mapped to segment pointer

**Explanation** Internally heap pointers are kept as offset indices. A given heap index was found to be outside the heap.

**Recommended Action** No action is required.

## Error Message

%HA-CDM\_MEMMGR\_HEAP-7-BAD\_HEAPPAGE Bad heap page block pointer: [chars]: [pointer]

**Explanation** A heap page address is misaligned or lies in some invalid range.

**Recommended Action** No action is required.

## Error Message

%HA-CDM\_MEMMGR\_HEAP-7-BAD\_HEAPPTR heap pointer cannot be mapped to segment offset: [pointer]

**Explanation** Internally heap pointers are kept as offset indices. A given heap pointer was found to be outside the heap.

**Recommended Action** No action is required.

## Error Message

%HA-CDM\_MEMMGR\_HEAP-7-BAD\_NCTDELETE Bad record pointer to free ([char]): [pointer]

**Explanation** Bad NCT record is being freed.

**Recommended Action** No action is required.

## Error Message

%HA-CDM\_MEMMGR\_HEAP-7-CORRUPTION CDM heap corruption was detected ([chars]). Process will be cold restarted.

**Explanation** The process crashed during CDM heap modification, resulting in an unrecoverable heap. Process will be started from an empty heap.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_HEAP-7-DATA\_CORRUPTION Data corruption: [chars]: 0x[dec],  
0x[dec], 0x[dec], 0x[dec]

**Explanation** Data corruption is detected in CDM data structures. This will generally result in a single process failure.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_HEAP-7-MUNMAP unmap and reserve failed: addr [hex] len [dec],  
[chars]

**Explanation** When attempting to free memory that is no longer in use, the CDM library received an error from the kernel.

**Recommended Action** Collect system log information and forward to technical support.

**Error Message**

%HA-CDM\_MEMMGR\_HEAP-7-NCT\_BIGNEW NCT: requested size too large: [dec]

**Explanation** Higher layers of heap are requesting a size for a variable-size record that is too large.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_HEAP-7-OBJ\_NOT\_FOUND Objid [hex] in table [hex] could not be found

**Explanation** The object could not be found in the given table when attempting to map the object ID to a memory address.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_HEAP-7-PROC\_RUNNING CDM segment operation failed: Process [chars]  
tag [chars] is running on node [chars].

**Explanation** A request to move or copy CDM data from one node to another has failed because an instance of the process is running on the destination node.

**Recommended Action** Determine why the process is running on the destination node.

**Error Message**

%HA-CDM\_MEMMGR\_HEAP-7-SEGMENT\_RENAMED CDM file [chars] has been renamed to [chars] for later analysis due to corruption found during restart.

**Explanation** A corrupted CDM segment has been renamed for later analysis.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_HEAP-7-TBL\_OBJ\_SEG\_MISMATCH Tblid [hex] objid [hex] segment mismatch (tbl-seg [dec] obj-seg [dec])

**Explanation** When the table ID and object ID are mapped to segment numbers, they do not match. Since an object belongs to a table and therefore resides in the same segment, this indicates a coding error.

**Recommended Action** No action is required.

## CDM\_MEMMGR\_UTIL Messages

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-3-ASSERT\_MSG [chars].[dec]: hit assert condition. 'val1 equals [hex]' expected to be [chars] 'val2 equals [hex]'

**Explanation** cdm hit an internal assert.

**Recommended Action** Contact support.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-COLD\_RESTART Process has been restarted without CDM data due to request from sysmgr

**Explanation** Due to too many contiguous failed restarts, sysmgr has requested that the process be restarted without CDM data.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-COLD\_RESTART\_IGNORED Ignoring sysmgr cold restart flag

**Explanation** The process has failed to restart multiple times. By design, the process will continue to restart with its existing CDM data.

**Recommended Action** Analyze the restart failure and take appropriate recovery action.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-DEBUG\_REGISTER Debug register failed ([hex]): [chars]

**Explanation** Registration of debug services failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-DUP\_KEY [chars]: User key [dec] is in use by object [hex] in table [hex]

**Explanation** A client of the CDM library attempted to create an object with a key that was already in use.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-INIT\_ERROR initialization error: [chars]: [dec] ([chars])

**Explanation** An error was encountered during initialization of the CDM library. The message should indicate the error condition. This is most likely due to a coding error.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-NOT\_IMPLEMENTED function not implemented yet: [chars]

**Explanation** Unimplemented functionality.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-REGISTRATION Error during table registration: [chars]: name: [dec] version: [dec]

**Explanation** An error was encountered during table registration. The message should indicate the error condition. This is most likely due to a coding error.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-SYSERR OS/System error: [chars]: [dec] ([chars])

**Explanation** This message signals an unrecoverable condition reported from the underlying system services. The severity of such errors cannot be determined locally by CDM, so it treats them all such conditions as non-fatal, transient errors. The CDM user must abort its immediate operation.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error, but may help with debugging other problems elsewhere.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-CDM\_MEMMGR\_UTIL-7-WARNING Warning: [chars]: [chars]: [dec]

**Explanation** This provides information about non-error conditions which may even be expected under certain circumstances. Nevertheless, these are not considered 'desirable' conditions.

**Recommended Action** Collect system log information. No action is required.

## CDM\_TDM Messages

**Error Message**

%HA-CDM\_TDM-7-BAD\_ALIGNMENT Index not aligned: [hex]

**Explanation** A heap index was not word aligned.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_TDM-7-COLD\_RESTART Cold restart: Reason: [chars]: Application [chars]: table [dec]: version [dec]

**Explanation** A process failed to restore state from a table in the CDM store.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_TDM-7-DUP\_TABLE Duplicate table found: Application [chars], table [dec]

**Explanation** During registration, two copies of a table were found in the CDM store at the same version. This indicates corruption in the CDM store.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_TDM-7-NO\_TRANSLATOR No translator found: [chars]: [chars]: [chars]

**Explanation** A required translator was not loaded.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_TDM-7-NOT\_INDEXED unable to setup index structure for indexed table:  
[chars]: [hex]: [dec]

**Explanation** Errors (most likely lack of memory) prevent CDM from creating an index structure associated with an indexed table. This condition does not affect the functionality at all, only the performance will suffer.

**Recommended Action** The CDM software will periodically try again to set up the index structure. So, in general no action is required.

**Error Message**

%HA-CDM\_TDM-7-OBJ\_COUNT table object count not correct: [hex]: [dec] (! equals [dec])

**Explanation** A table's object count is not what it's supposed to be. This is an internal accounting error and does not cause any problems inside CDM, but it may cause applications which depend on this accounting info to mis-behave.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_TDM-7-OBJ\_LEN Bad object length: [chars] tblname: [hex]: object size:  
[dec] record length: [dec]

**Explanation** An object save or get operation is being done with the wrong length buffer. This points to a logical bug in the client application.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_TDM-7-REG\_MISMATCH table attributes changed upon re-register: [hex], [hex]

**Explanation** An application is trying to register for its table. A table with the same name, version exists, but other attributes have changed, so the table is not allowed to be used.

**Recommended Action** No action is required.

**Error Message**

%HA-CDM\_TDM-7-TRANSLATION\_FATAL Fatal translation error: [hex]

**Explanation** An error occurred during data translation. The process will restart without CDM data.

**Recommended Action** No action is required.

## CHKPT\_BASIC Messages

**Error Message**

%HA-CHKPT\_BASIC-7-COLD\_RESTART Process has been restarted without checkpoint data due to request from sysmgr

**Explanation** Due to too many contiguous failed restarts, sysmgr has requested that the process be restarted without checkpoint data.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_BASIC-7-COLD\_RESTART\_IGNORED Ignoring sysmgr cold restart flag

**Explanation** The process has failed to restart multiple times. By design, the process will continue to restart with its existing checkpoint data.

**Recommended Action** Analyze the restart failure and take appropriate recovery action.

**Error Message**

%HA-CHKPT\_BASIC-7-DEBUG\_REGISTER Debug register failed ([hex]): [chars]

**Explanation** Registration of debug services failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.



**Error Message**

%HA-CHKPT\_BASIC-7-DUP\_KEY [chars]: User key [dec] is in use by object [hex] in table [hex]

**Explanation** A client of the checkpoint library attempted to create an object with a key that was already in use.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_BASIC-7-INCONSISTENT\_VERSIONS Inconsistent versioning information: [chars]: native\_version: [dec], storage\_version: [dec], VS\_version: [dec]

**Explanation** An invalid combination of version numbers was encountered during table registration or table versioning. This is most likely due to a coding error.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_BASIC-7-INIT\_ERROR initialization error: [chars]: [dec] ([chars])

**Explanation** An error was encountered during initialization of the checkpoint library. The message should indicate the error condition. This is most likely due to a coding error.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_BASIC-7-NOT\_IMPLEMENTED function not implemented yet: [chars]

**Explanation** Unimplemented functionality.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_BASIC-7-REGISTRATION Error during table registration: [chars]: name: [dec] version: [dec]

**Explanation** An error was encountered during table registration. The message should indicate the error condition. This is most likely due to a coding error.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_BASIC-7-SYSERR OS/System error: [chars]: [dec] ([chars])

**Explanation** This message signals an unrecoverable condition reported from the underlying system services. The severity of such errors cannot be determined locally by Checkpointing, so it treats them all such conditions as non-fatal, transient errors. The chkpt user must abort its immediate operation.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_BASIC-7-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error, but may help with debugging other problems elsewhere.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-CHKPT\_BASIC-7-WARNING Warning: [chars]: [chars]: [dec]

**Explanation** This provides information about non-error conditions which may even be expected under certain circumstances. Nevertheless, these are not considered 'desirable' conditions.

**Recommended Action** Collect system log information. No action is required.

## CHKPT\_CLI Messages

**Error Message**

%HA-CHKPT\_CLI-7-BAD\_BUFFER A client library returned an empty buffer: [chars]  
[chars]

**Explanation** --

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_CLI-7-BUFFER\_MISMATCH Buffer size mismatch: [dec]: [dec]

**Explanation** --

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_CLI-7-INVALID\_ARG An invalid argument was passed: [chars]

**Explanation** An argument was passed with an invalid value.

**Recommended Action** Collect system log information.

## CHKPT\_HEAP Messages

**Error Message**

%HA-CHKPT\_HEAP-7-BAD\_HEAPIDX heap index [hex] (seg [dec] offset [dec] segsize [dec]) cannot be mapped to segment pointer

**Explanation** Internally heap pointers are kept as offset indices. A given heap index was found to be outside the heap.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_HEAP-7-BAD\_HEAPPAGE Bad heap page block pointer: [chars]: [pointer]

**Explanation** A heap page address is misaligned or lies in some invalid range.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_HEAP-7-BAD\_HEAPPTR heap pointer cannot be mapped to segment offset: [pointer]

**Explanation** Internally heap pointers are kept as offset indices. A given heap pointer was found to be outside the heap.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_HEAP-7-BAD\_NCTDELETE Bad record pointer to free ([char]): [pointer]

**Explanation** Bad NCT record is being freed.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_HEAP-7-CORRUPTION Checkpoint heap corruption was detected ([chars]). Process will be cold restarted.

**Explanation** The process crashed during checkpoint heap modification, resulting in an unrecoverable heap. Process will be started from an empty heap.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-CHKPT\_HEAP-7-DATA\_CORRUPTION Data corruption: [chars]: 0x[dec], 0x[dec], 0x[dec], 0x[dec]

**Explanation** Data corruption is detected in checkpointing data structures. This will generally result in a single process failure.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-CHKPT\_HEAP-7-MUNMAP unmap and reserve failed: addr [hex] len [dec], [chars]

**Explanation** When attempting to free memory that is no longer in use, the checkpoint library received an error from the kernel.

**Recommended Action** Collect system log information and forward to technical support.

**Error Message**

%HA-CHKPT\_HEAP-7-NCT\_BIGNEW NCT: requested size too large: [dec]

**Explanation** Higher layers of heap are requesting a size for a variable-size record that is too large.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_HEAP-7-OBJ\_NOT\_FOUND Objid [hex] in table [hex] could not be found

**Explanation** The object could not be found in the given table when attempting to map the object ID to a memory address.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_HEAP-7-PROC\_RUNNING checkpoint segment operation failed: Process [chars] tag [chars] is running on node [chars].

**Explanation** A request to move or copy checkpoint data from one node to another has failed because an instance of the process is running on the destination node.

**Recommended Action** Determine why the process is running on the destination node.

**Error Message**

%HA-CHKPT\_HEAP-7-SEGMENT\_RENAMED Checkpoint file [chars] has been renamed to [chars] for later analysis due to corruption found during restart.

**Explanation** A corrupted checkpoint segment has been renamed for later analysis.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-CHKPT\_HEAP-7-TBL\_OBJ\_SEG\_MISMATCH Tblid [hex] objid [hex] segment mismatch (tbl-seg [dec] obj-seg [dec])

**Explanation** When the table ID and object ID are mapped to segment numbers, they do not match. Since an object belongs to a table and therefore resides in the same segment, this indicates a coding error.

**Recommended Action** No action is required.

## CHKPT\_LIB\_COMMS Messages

**Error Message**

%HA-CHKPT\_LIB\_COMMS-3-SYSTEM\_ERROR [chars]: [chars] failed with error [hex]

**Explanation** A call to a system function failed with the specified error code.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_LIB\_COMMS-6-INFO [chars]: [dec]

**Explanation** Internal Information messages

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_LIB\_COMMS-7-DEBUG [chars]

**Explanation** Internal Debug Messages

**Recommended Action** No action is required.

## CHKPT\_MESSAGING Messages

**Error Message**

%HA-CHKPT\_MESSAGING-3-COMMS\_INIT\_FAIL Chkpt was unable to asynchronously initialise the Replicator Library (error [hex] - [chars]). The client process will be restarted in order to attempt to recover.

**Explanation** Lib/replicator returned a non-retryable error after the asynchronous retry thread was spawned. There is no way to return an error to the client process, so the library will force an exit to try again. A voluntary core dump should accompany this message to allow further debugging.

**Recommended Action** Collect system log information and copy core file for offline analysis. Communications debug (e.g. 'show tech gsp') may also be useful.

**Error Message**

%HA-CHKPT\_MESSAGING-3-IDT\_FAILED Checkpoint Initial Data Transfer failed at [chars] with status code [hex]

**Explanation** An error occurred during checkpoint Initial Data Transfer which resulted in its failure. A retry of IDT will happen automatically.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-BAD\_MSGLEN [chars]: message lengths invalid (msglen [dec] srcmsglen [dec] error [hex] ([chars]))

**Explanation** The source message length is less than the message length. This is a situation which should never happen.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-BAD\_MSGTYPE [chars]: message type [dec] invalid; error [hex] ([chars])

**Explanation** The message type has the checkpoint component ID, but does not have a message type in the correct range. This is a situation which should never happen.

**Recommended Action** Collect system log information.

**Error Message**

```
%HA-CHKPT_MESSAGING-7-BAD_REQUEST [chars]: Bad request type [dec] msglen [dec]
```

**Explanation** A bad message request was received by the event handler function.

**Recommended Action** Collect system log information.

**Error Message**

```
%HA-CHKPT_MESSAGING-7-BAD_SEQNO [chars]: request type [dec] had sequence number [dec] (expected [dec])
```

**Explanation** The mirroring request had an incorrect sequence number. This indicates either an algorithm error, or data corruption on the active node or in the data transfer between nodes. Initial Data Transfer will be redone, and no data loss should occur.

**Recommended Action** Collect system log information.

**Error Message**

```
%HA-CHKPT_MESSAGING-7-BAD_TOTALSIZE [chars]: msg totalsize ([dec]) ! equals srcmsglen ([dec] error [hex] ([chars])
```

**Explanation** The message header totalsize value must be equal to the source message length. If not, this indicates an IPC or coding error.

**Recommended Action** Collect system log information.

**Error Message**

```
%HA-CHKPT_MESSAGING-7-BUFFER_TOO_SMALL Checkpoint library message buffer must be at least [dec] bytes; [dec] bytes is too small for correct operation.
```

**Explanation** The message buffer assigned to the checkpoint library by the application is less than the minimum size for successful messaging functionality. The application should increase the size of its event manager message buffer.

**Recommended Action** Collect system log information.

**Error Message**

```
%HA-CHKPT_MESSAGING-7-DUPLICATE_PROCESS [chars]: process name [chars] tag [chars] is already running - this should not happen: aborting
```

**Explanation** An attempt to exclusive-create on a local channel failed. This indicates that there's already a copy of this same process running, and it cannot be allowed to continue, since corruption can result.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-EVENT\_MANAGER [chars]: call to [chars] failed with errno [dec]

**Explanation** A call to an event manager function failed.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-GET\_MSGLEN [chars]: [chars] failed with error [hex] ([chars])

**Explanation** Extracting message or source message length failed.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-IDT\_ALL\_FAILED All attempts to do Initial Data Transfer to standby failed (error [hex])

**Explanation** Multiple attempts to transfer initial mirrored data to the standby have failed, and the attempts have been stopped.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-LWM\_FAILURE [chars]: call to [chars] failed with error [hex] ([chars])

**Explanation** A call to a LightWeight Messaging function failed. This may be due to a server being unavailable at the time of the call.

**Recommended Action** Collect system log information if it appears that this message is linked with failures in functionality. Otherwise, the message can be ignored.

**Error Message**

%HA-CHKPT\_MESSAGING-7-MALLOC\_FAILED [chars]: malloc of [dec] bytes failed; errno [dec]

**Explanation** A call to allocate memory failed.

**Recommended Action** Collect system log information.



**Error Message**

```
%HA-CHKPT_MESSAGING-7-MSG_READ [chars]: msg_read (case [dec]) failed with return [dec]; status [hex] ([chars])
```

**Explanation** A msg\_read call in the message handler failed.

**Recommended Action** Collect system log information.

**Error Message**

```
%HA-CHKPT_MESSAGING-7-MSG_REPLY [chars]: msg_reply (reqtype [dec]) failed with errno [dec]
```

**Explanation** A msg\_reply call in the message handler failed.

**Recommended Action** Collect system log information.

**Error Message**

```
%HA-CHKPT_MESSAGING-7-MSG_SEND_EVENT [chars]: msg_send_event failed with return [dec]
```

**Explanation** A msg\_send\_event call in a checkpoint mirroring function failed.

**Recommended Action** Collect system log information.

**Error Message**

```
%HA-CHKPT_MESSAGING-7-NON_CHKPT_MSG [chars]: Non-checkpoint message received: comp-id [dec]
```

**Explanation** A message request for a non-checkpoint component was received by the handler function.

**Recommended Action** Collect system log information.

**Error Message**

```
%HA-CHKPT_MESSAGING-7-PTHREAD_FAILURE [chars]: call to [chars] failed with errno [dec]
```

**Explanation** A call to a Posix Pthreads function failed.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-REPLICA\_NAME Replica name [chars]%s[chars] exceeded the maximum length permitted by Group Services, and has been truncated to [chars]. Replication problems may result if the truncated replica name is non-unique.

**Explanation** A replica name passed to the Replicator Library was truncated. This is not an issue in itself, but may cause problems further down the line, if the replica name becomes non-unique within the system.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-STANDBY\_OPEN\_TIMEOUT Attempts to open standby channel [chars] failed after [dec] retries - continuing

**Explanation** Multiple attempts to open the message channel to the standby node (either the application itself or the checkpoint proxy) failed due to either the proxy not running on the standby or the application itself not running on the standby. If the application should run on the standby, then it must call `chkpt_init()` in order for mirroring to succeed.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-STANDBY\_PROXY\_SPAWN All attempts to spawn checkpoint proxy on the standby failed (error [hex])

**Explanation** Multiple attempts to spawn a copy of the checkpoint proxy for this application on the standby were done, and the attempts have been stopped.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-STBY\_CAPABLE Call to `sysmgr_is_standby_capable` failed with error (error [hex])

**Explanation** The call to `sysmgr_is_standby_capable` failed. This may be due to the application not having a startup file, and so being unknown to `sysmgr`.

**Recommended Action** Collect system log information.

**Error Message**

%HA-CHKPT\_MESSAGING-7-SYSMGR\_GET\_PROC\_ROLE [chars]: call to `sysmgr_get_proc_role` failed with status [hex] ([chars])

**Explanation** A call to `sysmgr_get_proc_role` failed with the given status.

**Recommended Action** Collect system log information.

# CHKPT\_PROXY Messages

## Error Message

%HA-CHKPT\_PROXY-7-BAD\_IPC\_LENGTH IPC request type [dec] had bad length [dec] (expected [dec])

**Explanation** An IPC message with invalid length was received by the proxy process.

**Recommended Action** No action is required.

## Error Message

%HA-CHKPT\_PROXY-7-BAD\_IPC\_REQUEST Bad IPC request type [dec] received with message length [dec]

**Explanation** An invalid IPC request type was received by the proxy process.

**Recommended Action** No action is required.

## Error Message

%HA-CHKPT\_PROXY-7-DEBUG [chars]

**Explanation** Internal Debug Message

**Recommended Action** No action is required.

## Error Message

%HA-CHKPT\_PROXY-7-GROUP\_CREATE\_ERROR [chars]: a call to group\_create failed with error [dec]

**Explanation** The proxy process uses group\_create() to join the proxy control group. A call to group\_create() failed with the specified error.

**Recommended Action** No action is required.

## Error Message

%HA-CHKPT\_PROXY-7-IPC\_ERROR [chars]: [chars] failed with error [dec]

**Explanation** As part of IPC operation, a call to a function failed with the specified error.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_PROXY-7-NO\_MEMORY [chars]: could not allocate [dec] bytes of memory

**Explanation** Memory allocation failed. This is likely to be a resource shortage rather than a coding error.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_PROXY-7-PUTENV [chars]: a call to putenv([chars]) failed with error [dec]

**Explanation** The proxy process uses putenv() to communicate with the checkpoint library. A call to putenv() failed with the specified error.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_PROXY-7-STDBY\_NOPROXY Proxy not spawned for LR-plane process '[chars]' due to admin boot hold

**Explanation** Admin boot hold has been set for this node (normally due to an install operation) so a chkpt\_proxy has not been spawned for this process.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_PROXY-7-SYSTEM\_ERROR [chars]: [chars] failed with error [hex]

**Explanation** A call to a system function failed with the specified error code.

**Recommended Action** No action is required.

## CHKPT\_TDM Messages

**Error Message**

%HA-CHKPT\_TDM-4-OOS Checkpoint data on active and standby nodes is out-of-sync: Reason: [chars]: Application [chars]: table [dec]: native version [dec], storage version [dec], VS version [dec]

**Explanation** A process failed to restore state from a table in the checkpoint store.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_TDM-7-BAD\_ALIGNMENT Index not aligned: [hex]

**Explanation** A heap index was not word aligned.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_TDM-7-COLD\_RESTART Cold restart: Reason: [chars]: Application [chars]: table [dec]: native version [dec], storage version [dec], VS version [dec]

**Explanation** A process failed to restore state from a table in the checkpoint store.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_TDM-7-DUP\_TABLE Duplicate table found: Application [chars], table [dec]

**Explanation** During registration, two copies of a table were found in the checkpoint store at the same version. This indicates corruption in the checkpoint store.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_TDM-7-NATIVE\_VERSION Application passed an invalid native version during a checkpoint table versioning operation. Table: [unsigned int], New version: [dec], Heap version: [dec]

**Explanation** While attempting to version a checkpoint table, an application using checkpoint attempted to pass a native version that was inconsistent with the native version recorded in the checkpoint heap.

**Recommended Action** No action is required.

**Error Message**

%HA-CHKPT\_TDM-7-NO\_TRANSLATOR No translator found: [chars] : [chars] : [chars]

**Explanation** A required translator was not loaded.

**Recommended Action** No action is required.

**Error Message**

```
%HA-CHKPT_TDM-7-NOT_INDEXED  unable to setup index structure for indexed table:  
[chars]: [hex]: [dec]
```

**Explanation** Errors (most likely lack of memory) prevent checkpointing from creating an index structure associated with an indexed table. This condition does not affect the functionality at all, only the performance will suffer.

**Recommended Action** The checkpointing software will periodically try again to set up the index structure. So, in general no action is required.

**Error Message**

```
%HA-CHKPT_TDM-7-OBJ_COUNT  table object count not correct: [hex]: [dec] (! equals  
[dec])
```

**Explanation** A table's object count is not what it's supposed to be. This is an internal accounting error and does not cause any problems inside checkpointing, but it may cause applications which depend on this accounting info to mis-behave.

**Recommended Action** No action is required.

**Error Message**

```
%HA-CHKPT_TDM-7-OBJ_LEN  Bad object length: [chars] tblname: [hex]: object size:  
[dec] record length: [dec]
```

**Explanation** An object save or get operation is being done with the wrong length buffer. This points to a logical bug in the client application.

**Recommended Action** No action is required.

**Error Message**

```
%HA-CHKPT_TDM-7-REG_MISMATCH  table attributes changed upon re-registration: name  
[unsigned int], version [dec], new attributes: [unsigned int],[unsigned  
int],[unsigned int], existing attributes: [unsigned int],[unsigned int],[unsigned  
int]
```

**Explanation** An application is trying to register for its table. A table with the same name and version exists, but other attributes have changed, so the table is not allowed to be used.

**Recommended Action** No action is required.

**Error Message**

```
%HA-CHKPT_TDM-7-TRANSLATION_FATAL  Fatal translation error: [hex]
```

**Explanation** An error occurred during data translation. The process will restart without checkpointed data.

**Recommended Action** No action is required.

## DCL\_LIB Messages

### Error Message

%HA-DCL\_LIB-2-NULL\_PTR --

**Explanation** An expected data pointer was not found.

**Recommended Action** Collect system log information. No action is required.

### Error Message

%HA-DCL\_LIB-4-CERR\_REGISTER Registration of error strings failed with error [hex]

**Explanation** Error string registration failed.

**Recommended Action** No action is required.

### Error Message

%HA-DCL\_LIB-4-NONFATAL\_INTERNAL [chars]@[dec]: A Non-Fatal Internal Error was encountered.

**Explanation** A Non-Fatal condition was encountered. This is not necessarily an error, but information gathered here may help with debugging other problems elsewhere in the system.

**Recommended Action** Collect system log information. No action is required.

### Error Message

%HA-DCL\_LIB-4-UNEXPECTED [chars]@[dec]: An Unexpected condition was encountered  
- [chars]

**Explanation** An unexpected condition was encountered. This is not necessarily an error, but information gathered here may help with debugging other problems elsewhere in the system.

**Recommended Action** Collect system log information. No action is required.

## HA\_EEM Messages

### Error Message

%HA-HA\_EEM-4-EEMSD\_DIRECTORY\_NOT\_EXIST User policy directory [chars] could not be found on [chars]

**Explanation** A policy directory could not be found. Cold start on this location may result in startup configuration failure.

**Recommended Action** Create the directory on this location.

**Error Message**

%HA-HA\_EEM-4-EEMSD\_POLICY\_APPLY Could not apply policy '[chars]': [chars]

**Explanation** A policy could not be applied. This message signaled an unsuccessful apply of the policy.

**Recommended Action** Remove the configuration for the policy (and commit), and then attempt to configure the registration of the same policy.

**Error Message**

%HA-HA\_EEM-4-EEMSD\_POLICY\_CONFIG\_INCONSISTENT Policy '[chars]': [chars]

**Explanation** Some policy configuration is potentially inconsistent, and the user should follow the guidelines in the message to amend this.

**Recommended Action** Examine the guidelines in the message, and the event manager configuration, to determine the potential problem. Note that this is just a warning message, not an error message, as the configuration is legal - it may be the case that the user has intentionally set this configuration.

**Error Message**

%HA-HA\_EEM-4-EEMSD\_POLICY\_NOT\_EXIST Policy file [chars] could not be found on [chars]

**Explanation** A policy file could not be found. Cold start on this location may result in startup configuration failure.

**Recommended Action** Copy the policy file to this location.

**Error Message**

%HA-HA\_EEM-4-EEMSD\_POLICY\_TUPLE\_UNPACK Failed to unpack\_tuple to get username (Err: [dec]) for [chars]

**Explanation** Failed to unpack sysdb tuple to get the username for the scripts.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information. .

**Error Message**

%HA-HA\_EEM-4-EEMSD\_POLICY\_UNREGREG\_ERR Could not replace policy '[chars]': [chars]

**Explanation** A registered policy changed by the last installation update was detected. Since the update used the 'start' option, the old policy was automatically replaced by the new policy. This message signaled an unsuccessful replacement of the policy.

**Recommended Action** Remove the configuration for the previous policy (and commit), and then attempt to configure the registration of the new policy. The error message returned at commit time should indicate the problem with the new policy.



**Error Message**

```
%HA-HA_EEM-6-EEMED_WD_CPU_NOTIF CPU consumption is [chars] at [unsigned int] percent
```

**Explanation** The CPU state has changed and the new state is announced.

**Recommended Action** No action is required.

**Error Message**

```
%HA-HA_EEM-6-EEMS_POLICY_EXEC Policy execution has been [chars]
```

**Explanation** The Embedded Event Manager policy execution state has been changed to the state named in the message.

**Recommended Action** No action is required.

**Error Message**

```
%HA-HA_EEM-6-EEMS_POLICY_TIMEOUT Policy '[chars]' has hit its maximum execution time of [dec].[dec] seconds, and so has been halted
```

**Explanation** The policy has exceeded its maximum execution time, and so has been halted part way through execution. If this policy is expected to take a long time to run, it may need to have 'maxrun\_sec' added to the policy registration line (or its value increased if it is already specified).

**Recommended Action** No action is required.

**Error Message**

```
%HA-HA_EEM-6-EEMS_RELOAD_SYSTEM Policy has requested a system reload; reloading in 5 seconds
```

**Explanation** A Embedded Event Manager policy requested that the system be reloaded.

**Recommended Action** No action is required.

**Error Message**

```
%HA-HA_EEM-6-EEMS_SYSLOG_SCAN_SIGNUP Failed to load Syslog FD DLL [chars]: [chars]. Syslog registration in Embedded Event Manager policies will not be able to function.
```

**Explanation** The syslog\_scan\_signup function reported an error trying to load the specified Syslog Embedded Event Detector DLL library. It will not be possible for Embedded Event Manager to be alerted of new syslog messages, and hence any scripts registered for syslog messages will not be triggered as expected.

**Recommended Action** Restart the syslogd process and the eem\_server process. If the message still appears then Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-6-EEMSD\_POLICY\_CHANGED Registered policy '[chars]' changed by the last installation update

**Explanation** A registered policy was changed by the last installation update. If the update used the 'start' option, the old policy was automatically unregistered and the new policy registered. Otherwise, the old policy would remain registered and functional until the user unregisters it manually.

**Recommended Action** No action is required.

**Error Message**

%HA-HA\_EEM-6-EEMSD\_POLICY\_DELETED Registered policy '[chars]' deleted by the last installation update

**Explanation** A registered policy was deleted by the last installation update. If the update used the 'start' option, the policy was automatically unregistered. Otherwise, the policy would remain registered and functional until the user unregisters it manually.

**Recommended Action** No action is required.

**Error Message**

%HA-HA\_EEM-6-EEMSD\_POLICY\_REG\_SUCC Policy '[chars]' registered successfully, by user [chars], with persist time [dec] and type [dec]

**Explanation** A new policy has been registered with Embedded Event Manager. This message signaled a successful registration.

**Recommended Action** No action is required.

**Error Message**

%HA-HA\_EEM-6-EEMSD\_POLICY\_UNREG\_SUCC Policy '[chars]' unregistered successfully

**Explanation** A registered policy changed or deleted by the last installation update was detected. Since the update used the 'start' option, the old policy was automatically unregistered. This message signaled a successful unregistration.

**Recommended Action** No action is required.

**Error Message**

%HA-HA\_EEM-6-EEMSD\_POLICY\_UNREGREG\_SUCC Policy '[chars]' replaced successfully

**Explanation** A registered policy changed by the last installation update was detected. Since the update used the 'start' option, the old policy was automatically replaced by the new policy. This message signaled a successful replacement of the policy.

**Recommended Action** No action is required.

**Error Message**

%HA-HA\_EEM-7-DEBUG\_INIT\_EVENT Debug initialization for the fm/[chars] event failed: [chars]

**Explanation** An error was returned when the Embedded Event Manager called the debug\_init\_event() function.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-DEBUG\_REGISTER Debug registration for Embedded Event Manager failed: [chars]

**Explanation** An error was returned when the Embedded Event Manager called the debug\_register() function.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_CHKPT\_INIT [chars]

**Explanation** Internal error. The fault detector has failed to initialize with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_CHKPT\_TBL\_ADD [chars]

**Explanation** Internal error. The fault detector has failed to add an object to the checkpointing table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_CHKPT\_TBL\_INIT [chars]

**Explanation** Internal error. The fault detector has failed to initialize a table with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_CHKPT\_TBL\_ITERATE [chars]

**Explanation** Internal error. The fault detector has failed to iterate the checkpointing table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_CHKPT\_TBL\_REMOVE [chars]

**Explanation** Internal error. The fault detector has failed to remove an object from the checkpointing table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_EA\_ATTACH Could not register for asynchronous message events: [chars]

**Explanation** The fault detector has failed to attach an event handler for asynchronous messages.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_EI\_EVENT Could not initialize event structure: [chars]

**Explanation** The fault detector has failed to initialize the sigevent structure to be used by the Event Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_EM\_ATTACH Could not register for synchronous message events: [chars]

**Explanation** The fault detector has failed to attach an event handler for synchronous messages.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_EVM\_CREATE Could not create event manager: [chars]

**Explanation** The fault detector has failed to create an Event Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_EVM\_EVENT\_BLOCK An error occurred while waiting for an event: [chars]

**Explanation** The event infrastructure will ignore this error and continue to wait for the next event. If this error is seen repeatedly, the process may not be able to function and will need to be restarted.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_MEM\_ALLOC Not enough memory ([dec] bytes)

**Explanation** Allocating memory failed due to a low-memory condition.

**Recommended Action** Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_MSG\_REPLY Failed to send reply to event manager run: [chars]

**Explanation** The fault detector has failed to send a reply to event manager run process.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_MSGSEND\_EVT [chars]

**Explanation** The fault detector has failed to send a pulse to the fault manager to notify of an event publish.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_MSGSEND\_RETRY\_ERR Maximum retry number exceeded

**Explanation** The fault detector has exceeded its maximum number of retries to send a pulse to the fault manager to notify of an event publish.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_PUB\_ENQUEUE [chars]

**Explanation** Internal error. The fault detector has failed to add a publish data entry to the list.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_PUB\_RBLD [chars]

**Explanation** Internal error. The fault detector has failed to rebuild the publish list from the checkpointed records.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_PUB\_TM\_ALLOC could not allocate memory for event publish timer block

**Explanation** Internal error. The fault detector has failed to allocate memory for the event publish timer block.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-ED\_NONE\_RM\_ATTACH Could not attach resource manager funtions to event manager: [chars]

**Explanation** The fault detector has failed to attach a Resource Manager to an Event Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-ED_NONE_TM_ADDL_CTX  Could not set additional context pointer:  
[chars]
```

**Explanation** The fault detector has failed to set a managed timer's additional context pointer.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-ED_NONE_TM_LEAF_NEW  Could not create a leaf timer
```

**Explanation** The fault detector has failed to create a managed leaf timer.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-ED_NONE_TM_PARENT_NEW  Could not create a managed parent timer:  
[chars]
```

**Explanation** The fault detector has failed to create a managed parent timer.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-ED_NONE_TM_TREE_NEW  Could not create a managed timer tree
```

**Explanation** The fault detector has failed to create a managed timer tree.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMC_APPL_CBH_PULSE  Unable to locate application publish callback  
entry for pulse code [dec]
```

**Explanation** The application publish callback handler was unable to validate the pulse code received.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMC\_APPL\_CBH\_SEND Unable to report that application publishing has been successfully carried out: [chars]

**Explanation** The application publish callback handler was unable to send a report to the Embedded Event Manager Server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMC\_CB\_EVM\_CREATE Unable to create the messaging infrastructure for this process: [chars]

**Explanation** An error was reported trying to create the messaging infrastructure.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMC\_CB\_INIT\_EEMC Failed to initialize the Embedded Event Manager context control block: [chars]

**Explanation** An error was reported trying to initialize the internal context control block.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMC\_CB\_MC\_ATTACH Failed to attach to a messaging channel: [chars]

**Explanation** An error was reported trying to attach to a messaging channel.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMC\_CBS\_THREAD\_CREATE Unable to create a posix thread: [chars]

**Explanation** Unable to create a posix thread to carry out Embedded Event Manager handling.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.



**Error Message**

%HA-HA\_EEM-7-EEMC\_CERR\_REG Unable to register error code descriptions: [chars]

**Explanation** The Embedded Event Manager errors could not be registered, and so the error codes will not be decoded in messages to the user.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMC\_REG\_CBH\_PULSE Unable to locate reg callback entry for pulse code [dec]

**Explanation** The registration callback handler was unable to validate the pulse code received.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMC\_REG\_CBH\_SEND Unable to report that callback handling has been successfully carried out: [chars]

**Explanation** The registration callback handler was unable to send a report to the Embedded Event Manager Server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_CHKPT\_INIT [chars]

**Explanation** Internal error. The event detector has failed to initialize with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_CHKPT\_TBL\_INIT [chars]

**Explanation** Internal error. The event detector has failed to initialize a table with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_CHKPT\_TBL\_ITERATE [chars]

**Explanation** Internal error. The event detector has failed to iterate the checkpointing table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_CONNECTION\_FAIL Could not connect to [chars] : [chars]

**Explanation** Could not connect to event detector on the remote node. Node may be invalid or not available or the process may not be available to accept the connection.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_DE\_FETCH [chars]

**Explanation** Internal error. The event detector has failed to fetch a data element from the statistics data engine.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_DE\_INIT [chars]

**Explanation** Internal error. The event detector has failed to initialize the statistics data engine.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_EA\_ATTACH Could not register for asynchronous message events:  
[chars]

**Explanation** The event detector has failed to attach an event handler for asynchronous messages.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_EI\_EVENT Could not initialize event structure: [chars]

**Explanation** The event detector has failed to initialize the sigevent structure to be used by the Event Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_EM\_ATTACH Could not register for synchronous message events: [chars]

**Explanation** The event detector has failed to attach an event handler for synchronous messages.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_EVM\_CREATE Could not create event manager: [chars]

**Explanation** The event detector has failed to create an Event Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_EVM\_EVENT\_BLOCK An error occurred while waiting for an event: [chars]

**Explanation** The event infrastructure will ignore this error and continue to wait for the next event. If this error is seen repeatedly, the process may not be able to function and will need to be restarted.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_HIST\_QERR Could not obtain a free history list entry

**Explanation** Internal error. The event detector has failed to get a free history list entry.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMED_INV_COMPARE_OP Invalid comparison operator: [dec]
```

**Explanation** Internal error. The value comparison operator is invalid or not supported.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMED_INV_STATS_TYPE Invalid statistics value type: [dec]
```

**Explanation** Internal error. The statistics data type is invalid or not supported.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMED_INV_TM Invalid timer: type equals [dec], timer equals [pointer]
```

**Explanation** Internal error. The timer value is invalid or not as expected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMED_INV_TM_TYPE Invalid timer type: [dec]
```

**Explanation** Internal error. The timer type is invalid or not supported.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMED_LOCAL_NODEID Could not get local nodeid: [chars]
```

**Explanation** Could not get local node identifier.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_MEM\_ALLOC Not enough memory ([dec] bytes)

**Explanation** Allocating memory failed due to a low-memory condition.

**Recommended Action** Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

**Error Message**

%HA-HA\_EEM-7-EEMED\_MET\_ENQUEUE Could not enqueue metric data: [chars]

**Explanation** Internal error. The system manager event detector has failed to add a metric data entry to the list.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_MET\_RBLD [chars]

**Explanation** Internal error. The event detector has failed to rebuild the metric list from the checkpointed records.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_MISC\_ERR [chars] ([chars])

**Explanation** An unexpected error occurred.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_MSGSEND\_EVT [chars]

**Explanation** The event detector has failed to send a pulse to the event manager to notify of an event publish.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_MSGSEND\_RETRY\_ERR Maximum retry number exceeded

**Explanation** The event detector has exceeded its maximum number of retries to send a pulse to the event manager to notify of an event publish.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_OE\_CREATE Could not create an occurrence entry

**Explanation** Internal error. The event detector has failed to create an entry for the matched occurrence list.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_OE\_REMOVE Could not remove an occurrence entry

**Explanation** Internal error. The event detector has failed to remove an entry from the matched occurrence list.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_PLTF\_NODENAME Could not get local node name

**Explanation** The event detector has failed to get the local node name.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_PUB\_ENQUEUE [chars]

**Explanation** Internal error. The event detector has failed to add a publish data entry to the list.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_PUB\_RBLD [chars]

**Explanation** Internal error. The event detector has failed to rebuild the publish list from the checkpointed records.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_RM\_ATTACH Could not attach resource manager funtions to event manager: [chars]

**Explanation** The event detector has failed to attach a Resource Manager to an Event Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_SM\_PROC\_EXIT [chars]

**Explanation** The system manager failed to execute the default action of the terminated process.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_STATS\_VAL\_GET\_ERR [chars]

**Explanation** Internal error. The event detector has failed retrieving a valid statistics value.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_SYSDB\_BIND [chars]

**Explanation** Failed to bind to SysDB.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_SYSDB\_GET [chars]

**Explanation** Failed to retrieve an item from SysDB.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_SYSDB\_REG\_NOTIFY [chars]

**Explanation** Failed to register for notification of a set of items in SysDB.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_THREAD\_CREATE Could not create a Posix thread

**Explanation** The pthread\_create function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_TM\_ADDL\_CTX Could not set additional context pointer: [chars]

**Explanation** The event detector has failed to set a managed timer's additional context pointer.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_TM\_CRTICK\_INIT [chars]

**Explanation** Internal error. The initialization of the cron-tick function has failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.



**Error Message**

%HA-HA\_EEM-7-EEMED\_TM\_LEAF\_NEW Could not create a leaf timer

**Explanation** The event detector has failed to create a managed leaf timer.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_TM\_PARENT\_NEW Could not create a managed parent timer: [chars]

**Explanation** The event detector has failed to create a managed parent timer.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMED\_TM\_TREE\_NEW Could not create a managed timer tree

**Explanation** The event detector has failed to create a managed timer tree.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_CHKPT\_INIT Could not register the application with the checkpointing server: [chars]

**Explanation** Failed to register an application with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_CHKPT\_NULL\_PTR --

**Explanation** --

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_CHKPT\_TBL\_ADD Could not save a record into a checkpointing table: [chars]

**Explanation** Failed to save a record into the given checkpointing table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_CHKPT\_TBL\_INIT Failed to initialize [chars]: [chars]

**Explanation** Could not initialize a table with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_CHKPT\_TBL\_RECOVER Could not recover the checkpointed [chars]: [chars]

**Explanation** Failed to recover a checkpointed table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_CONN\_EXIST The message connection we try to set up already exists

**Explanation** An internal error. We tried to set up a message connection but it already exists.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_EVM\_ASYNC\_ATTACH Could not attach handler for Event Manager asynchronous event: [chars]

**Explanation** An internal error was detected when attaching a handler for an Event Manager asynchronous event.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_EVM\_CREATE Could not create event manager: [chars]

**Explanation** An internal error was detected when creating Event Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_EVM\_EVENT\_BLOCK Failed to block waiting for Event Manager events: [chars]

**Explanation** An internal error was detected when block waiting for Event Manager events.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_EVM\_FILE\_ATTACH Could not register a notification handler for a file descriptor: [chars]

**Explanation** An internal error was detected when trying to register a notification handler for a file descriptor.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_EVM\_INIT\_EVENT Could not initialize Event Manager event: [chars]

**Explanation** An internal error was detected when initializing an Event Manager event.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_EVM\_TM\_ATTACH Could not set up a managed timer identifier:  
[chars]

**Explanation** An internal error was detected when trying to allocate a managed timer identifier and assign to it an event handler.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_EVM\_TM\_LEAF\_NEW Could not create a managed timer tree leaf:  
[chars]

**Explanation** An internal error was detected when trying to create a managed timer tree leaf for the event manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_FD\_SIGEVENT Error occurred when a event detector processed the pulse from the metric director: [chars]

**Explanation** Internal error. Error occurred when a detector processed the pulse from the metric director.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_FILE\_OPEN Failed to open file [chars] : [chars]

**Explanation** Failed to open the given file due to some internal error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_GET\_CHID Could not get message channel ID: [chars]

**Explanation** An internal error was detected when getting ID for a message channel.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_GET\_NODE\_NAME Could not get node name of the local host: [chars]

**Explanation** An internal error was detected when trying to get the node name of the local host.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_GUARD\_WORD\_VER [chars] guard word corrupted; [pointer]

**Explanation** The guard word for the specified control block does not contain what is expected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_LAST\_PROC Invalid last process replied: node [hex], job id [dec]

**Explanation** Internal error. The information of last process the metric director replied to 'show event manager metric process' command is invalid.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_LOCAL\_NODEID Could not get local nodeid: [chars]

**Explanation** Could not get local node identifier.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_LONG\_PATHNAME Too long path name

**Explanation** Internal error. A path name could not be formed because it exceeded the maximum length.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_LWM\_ATTACH Could not attach a connection to a message channel: [chars]

**Explanation** An internal error was detected when attaching a connection to a message channel.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_LWM\_CONNECT Could not connect to the message channel [chars]: [chars]

**Explanation** An internal error was detected when attaching a handler for an Event Manager asynchronous event.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_LWM\_SEND Could not send message: [chars]

**Explanation** An internal error was detected when sending a message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_LWM\_SEND\_ASYNC Could not send a pulse to a connection: [chars]

**Explanation** An internal error was detected when trying to send a pulse to a connection.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_MEM\_ALLOC Not enough memory ([dec] bytes)

**Explanation** Allocating memory failed due to a low-memory condition.

**Recommended Action** Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_METRIC\_POLL Error occurred when polling a event detector for metric data: [chars]

**Explanation** Internal error. Error occurred when the metric director tried to poll a event detector for metric data.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_METRICSVC\_INIT Could not initialize metric RPC service: [chars]

**Explanation** An internal error was detected when initializing RPC service.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_PROC\_EVENT\_TYPE Unknown process event type [dec]

**Explanation** An unknown Embedded Event process event type was detected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_QSM\_REG\_NOTIF Could not register for QSM notification: [chars]

**Explanation** An internal error was detected when registering for QSM notification.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_SVC\_REG RPC service registration for Embedded Event Metric Director failed

**Explanation** Embedded Event Metric Director failed to register with the RPC facility.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_SVCEVM\_CREATE Could not initialize RPC server for event manager: [chars]

**Explanation** Initializing RPC server stub for event manager failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_SYSCALL [chars] failed: [chars]

**Explanation** A system call failed with the indicated error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_UNEXP\_MSG\_TYPE Message type is [dec] instead of the expected [chars]

**Explanation** A received message was of an unexpected type.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMMD\_UNEXP\_PROC Process metric entry with node [hex] and job id [dec] not found

**Explanation** Internal error. The process metric entry with the given node name and job id cannot be found.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.



**Error Message**

```
%HA-HA_EEM-7-EEMMD_UNEXP_PULSECODE Unexpected pulse code [dec]
```

**Explanation** A received pulse was of an unexpected code.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_ASYNC_ATTACH Failed to attach to handle [chars]: [chars]
```

**Explanation** The event\_async\_attach function reported an error trying to attach to the specified handle.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_ASYNC_ATTACH_FD Failed to attach to handle Embedded Event Detector [chars] pulse code: [chars]
```

**Explanation** The event\_async\_attach function reported an error trying to attach to handle the Embedded Event Detector handler pulse code.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_CALLBACK_MAX_ENTRIES Maximum number of callback publish entries exceeded for [chars]; some events have been discarded
```

**Explanation** An attempt to publish an event requiring a callback failed because there is no more room in the callback publish queue for the specified process.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_CHKPT\_INIT Could not register the application with the checkpointing server: [chars]

**Explanation** Failed to register an application with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_CHKPT\_NULL\_PTR --

**Explanation** --

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_CHKPT\_TBL\_ADD Could not add to the checkpointed [chars]: [chars]

**Explanation** Failed to add a record to the checkpointed table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_CHKPT\_TBL\_INIT Failed to initialize [chars]: [chars]

**Explanation** Could not initialize a table with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_CHKPT\_TBL\_RECOVER Could not recover for the checkpointed [chars]: [chars]

**Explanation** Failed to recover a record from the checkpointed table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_CHKPT\_TBL\_REMOVE Could not remove from the checkpointed [chars]: [chars]

**Explanation** Failed to remove a record from a checkpointed table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_CHKPT\_TBL\_SAVE Could not save to the checkpointed [chars]: [chars]

**Explanation** Failed to save a record to a checkpointed table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_EVM\_CREATE Failed to create an event manager: [chars]

**Explanation** An error was reported trying to create this process' messaging infrastructure.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_EVM\_EVENT\_BLOCK An error occurred while waiting for an event: [chars]

**Explanation** The event infrastructure will ignore this error and continue to wait for the next event. If this error is seen repeatedly, the process may not be able to function and will need to be restarted.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_EVM\_FILE\_ATTACH Unable to do an event\_file\_attach for [chars]: [chars]

**Explanation** The event\_file\_attach function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_EVM_INIT_EVENT event_init_event for Embedded Event Detector  
[chars] failed: [chars]
```

**Explanation** The event\_init\_event function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_FDC_ALLOCATE Failed to allocate Embedded Event Detector  
context control block: [chars]
```

**Explanation** The get\_fd function reported an error trying to allocate a Embedded Event Detector context control block.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_FDC_OPEN Failed to open Embedded Event Detector context control  
block
```

**Explanation** The open\_fd function reported an error trying to open a Embedded Event Detector context control block.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_GET_CHAN_CHAN Failed to obtain a messaging channel ID: [chars]
```

**Explanation** An error was reported trying to obtain the channel ID.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_GET\_NODE\_NAME Failed to retrieve the name of the local node:  
[chars]

**Explanation** An error was reported trying to obtain the node name.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_GET\_NODE\_STATE Failed to get the current nodes state: [chars]

**Explanation** The call to get the nodes current state failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_GET\_PRIO Failed to get process priority: [chars]

**Explanation** The getprio function reported an error trying to obtain the default process priority.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_GUARD\_WORD\_VER [chars] guard word corrupted; [pointer]

**Explanation** The guard word for the specified control block does not contain what is expected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_INIT\_EVENT\_TIMER Failed to initialize a timer event: [chars]

**Explanation** An error was reported trying to initialize the timer notification event.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_INV\_ARG\_STRING Invalid argument string: [chars]

**Explanation** An invalid argument string was passed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_INV\_ENV\_STRING Invalid environment string: [chars]

**Explanation** An invalid environment string was passed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_KILL Unable to kill process [chars]: [chars]

**Explanation** The kill function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_KILL\_RUN Unable to kill run process [dec] for [chars]: [chars]

**Explanation** The kill function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_LWM\_ATTACH Failed to attach to eem message channel: [chars]

**Explanation** The msg\_chan\_attach function reported an error trying to attach to the Embedded Event Manager server channel.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_LWM\_ATTACH\_SYNC Failed to attach to handle synchronous messages: [chars]

**Explanation** The event\_message\_attach function reported an error trying to attach to handle synchronous messages.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_LWM\_CONNECT Failed to connect to eem message channel [chars]: [chars]

**Explanation** The msg\_chan\_connect function reported an error trying to connect to the specified Embedded Event Manager server channel.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_LWM\_DISCONNECT Failed to disconnect from eem message channel [chars]: [chars]

**Explanation** The msg\_chan\_disconnect function reported an error trying to disconnect from the specified Embedded Event Manager server channel.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_LWM\_SEND Failed to send a message to [chars]: [chars]

**Explanation** The msg\_send function reported an error trying to send a message to the specified process.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_LWM\_SEND\_ASYNC Could not send a pulse to a connection: [chars]

**Explanation** An internal error was detected when trying to send a pulse to a connection.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_LWM\_SEND\_EVENT Failed to send an event to [chars]: [chars]

**Explanation** The msg\_send\_event function reported an error trying to send an asynchronous message to the specified process.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_MEM\_ALLOC Unable to allocate [dec] bytes

**Explanation** The malloc function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_MEM\_REALLOC Unable to reallocate [dec] bytes

**Explanation** The realloc function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_MISC\_ERR [chars] ([chars])

**Explanation** An unexpected error occurred.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.



**Error Message**

```
%HA-HA_EEM-7-EEMS_NULL_SCRIPT_NAME  --
```

**Explanation** --

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_OPEN  Unable to open [chars]: [chars]
```

**Explanation** The open function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_OVL_GET_MODULE_PATH  ovl_get_module_path failed when attempting to get the full path for a program: [chars]
```

**Explanation** The ovl\_get\_module\_path function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_OVL_NOTIFY_REG  ovl_notification_register failed when registering to handle OVL notifications: [chars]
```

**Explanation** The ovl\_register\_notification function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMS_OVL_SETUP_ENV  ovl_setup_env failed when updating the environment variables during an OVL notification: [chars]
```

**Explanation** The ovl\_setup\_env function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_POLICY\_CHECKSUM Checksum error for policy [chars] - this policy will not be run

**Explanation** The checksum computed for the specified policy does not match the original checksum computed when the policy was registered.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_POLICY\_HASH The hash computation routine reported an error: [chars]

**Explanation** The fm\_hash\_md5\_fd() function reported the specified error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_QSM\_REGISTER Failed to register for QSM notifications for the event detector [chars]: [chars]

**Explanation** The qsm\_register\_notification function reported an error trying to register for QSM notifications for the named event detector.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_REG\_NODE\_STATE\_CHANGE Failed to register for node state changes: [chars]

**Explanation** The call to register for node state changes failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_SCRIPT\_MAX\_ENTRIES Maximum number of script publish entries exceeded; some events have been discarded

**Explanation** An attempt to publish an event requiring a script failed because there is no more room in the script publish queue.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_SIGNAL\_ATTACH Failed to attach to handle SIGCHLD: [chars]

**Explanation** The event\_signal\_attach function reported an error trying to attach to handle the SIGCHLD signal.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_SIGQUEUE Failed to queue a signal for pid [hex], signal [dec]: [chars]

**Explanation** The sigqueue function reported an error trying to send a notification signal to the process specified by pid.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_SPAWN Unable to spawn [chars]: [chars]

**Explanation** The spawn function reported an error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_SYSLOG\_SCAN\_RESIGN Failed to unload Syslog FD DLL [chars]:  
[chars]

**Explanation** The syslog\_scan\_resign function reported an error trying to unload the specified Syslog Embedded Event Detector DLL library.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_TM\_LEAF\_NEW Unable to create timer leaf for [chars]: [chars]

**Explanation** The mgd\_timer\_leaf\_new function reported an error attempting to create a timer leaf for the timer named in the error message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_TM\_PARENT\_NEW Could not create a managed parent timer: [chars]

**Explanation** The mgd\_timer\_parent\_new function reported an error attempting to create the timer named in the error message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMS\_TM\_TREE\_NEW Could not create a managed timer tree

**Explanation** The mgd\_timer\_tree\_new function reported an error attempting to create the root timer tree.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_CHKPT\_INIT Could not register the application with the checkpointing server: [chars]

**Explanation** Failed to register an application with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_CHKPT\_NULL\_PTR --

**Explanation** --

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_CHKPT\_TBL\_ADD Could not save a record into a checkpointing table: [chars]

**Explanation** Failed to save a record into the given checkpointing table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_CHKPT\_TBL\_INIT Failed to initialize [chars]: [chars]

**Explanation** Could not initialize a table with the checkpointing server.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_CHKPT\_TBL\_RECOVER Could not recover the checkpointed [chars]: [chars]

**Explanation** Failed to recover a checkpointed table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_CHKPT\_TBL\_REMOVE Could not delete a record from a checkpointing table: [chars]

**Explanation** Failed to delete a record from the given checkpointing table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_CHKPT\_TBL\_RESET Could not reset a record in a checkpointing table: [chars]

**Explanation** Failed to reset a record in the given checkpointing table.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_COUNTER\_SET Failed to set a counter: [chars]

**Explanation** Failed to set a Embedded Event Manager counter.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_EVENT\_CREATE Failed to create an event: [chars]

**Explanation** Failed to create a Embedded Event Manager event.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_EVENT\_REG Failed to register an event: [chars]

**Explanation** Failed to register a Embedded Event Manager event.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMSD_EVENT_TYPE Unknown event type [dec]
```

**Explanation** An unknown Embedded Event Manager event type was detected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMSD_EVM_CREATE Could not create event manager: [chars]
```

**Explanation** An internal error was detected when creating Event Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMSD_EVM_EVENT_BLOCK Failed to block waiting for Event Manager events: [chars]
```

**Explanation** An internal error was detected when block waiting for Event Manager events.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMSD_FILE_OPEN Failed to open file '[chars]': [chars]
```

**Explanation** Failed to open the given file due to some internal error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMSD_FM_INIT Could not initialize Embedded Event Manager service '[chars]': [chars]
```

**Explanation** An internal error was detected when initializing Embedded Event Manager service.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_GET\_NODE\_NAME Failed to get the local node name: [chars]

**Explanation** Failed to get the local node name.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_GET\_PRIO Failed to get process priority: [chars]

**Explanation** Internal error. A call to get process scheduling priority failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_LAST\_POLICY Invalid last policy name replied '[chars]'

**Explanation** Internal error. The last policy name the script director replied to 'show event manager policy registered' command is an invalid policy name.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_MEM\_ALLOC Not enough memory ([dec] bytes)

**Explanation** Allocating memory failed due to a low-memory condition.

**Recommended Action** Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_OVL\_NOTIF\_REG Could not register for Version Manager notification: [chars]

**Explanation** An internal error was detected when registering for Version Manager notification.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.



**Error Message**

%HA-HA\_EEM-7-EEMSD\_OVL\_SETUP\_ENV Could not update environment variables: [chars]

**Explanation** Updating environment variables of the process according to system variables stored in sysdb failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_POLICY\_MISSING The policy execution copy '[chars]' was not present at unregistration.

**Explanation** The execution copy of the indication policy was not found at the time of unregistration. Most likely, the policy was removed manually, or the policy was not synced to the standby prior to failover.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_POLICY\_UNREG\_ERR Could not unregister policy '[chars]': [chars]

**Explanation** A registered policy changed or deleted by the last installation update was detected. Since the update used the 'start' option, the old policy was automatically unregistered. This message signaled an unsuccessful unregistration.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_REFRESHTIMER\_INIT Failed to initialize a refresh timer ([chars]): [chars]

**Explanation** Failed to initialize a Embedded Event Manager refresh timer.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_RESYNC\_FAIL Could not re-add file [chars] to syncfs list:  
[chars]

**Explanation** On process restart or failover the script file could not be added to the syncfs list.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_SVC\_REG RPC service registration for Embedded Event Manager Script Director failed

**Explanation** Embedded Event Manager Script Director failed to register with the RPC facility.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_SVCEVM\_CREATE Could not initialize RPC server for event manager: [chars]

**Explanation** Initializing RPC server stub for event manager failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_SYNC\_FAIL Could not add file [chars] to syncfs list: [chars]

**Explanation** Failed to add a file to be backed up on the redundant node.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_EEM-7-EEMSD\_SYNCLIST\_FAIL Failed to remove '[chars]' from the sync list:  
[chars].

**Explanation** An error was encountered while removing the indicated execution copy of a policy from the syncfs sync list.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMSD_SYSDB_VERIFY_REG Could not register for SysDB verification:  
[chars]
```

**Explanation** An internal error was detected when trying to register verify function and/or apply function for SysDB tuple operations upon the given item within the given namespace.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_EEM-7-EEMSD_TIMER_ARM Failed to arm a timer: [chars]
```

**Explanation** Failed to arm a Embedded Event Manager timer.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

## HA\_SS Messages

**Error Message**

```
%HA-HA_SS-7-DEBUG MSG1[[chars]] ID[[dec]] MSG2[[chars]]
```

**Explanation** Debug message

**Recommended Action** No action is required.

## HA\_WD\_LIB Messages

**Error Message**

```
%HA-HA_WD_LIB-3-DEBUG_REGISTER_FAIL Call to debug_register() failed with error  
[dec] ([chars])
```

**Explanation** An internal error was detected when registering with the debug library.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD\_LIB-7-CLIENT\_MONITOR Call to remonitor evm failed: [chars]

**Explanation** The wdsysmon server returned an error to a client in response to a request to remonitor an event manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD\_LIB-7-CLIENT\_UNMONITOR Call to monitor evm failed: [chars]

**Explanation** The wdsysmon server returned an error to a client in response to a request to stop monitoring an event manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD\_LIB-7-INVALID\_ARG [chars]: [chars]

**Explanation** A wdsysmon library was called with an invalid argument.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD\_LIB-7-MISSING\_CTX [chars]: [unsigned int]

**Explanation** During a re-registration, an internal context structure was not found. This is probably a coding error.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD\_LIB-7-NO\_MEM [chars]: not enough memory: [chars]

**Explanation** Allocating memory failed due to a low-memory condition.

**Recommended Action** Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

**Error Message**

%HA-HA\_WD\_LIB-7-SVR\_MEMINFO [chars]: Server failed to return memory information:  
[chars]

**Explanation** An internal error was detected when trying to communicate with wdsysmon to retrieve a node's memory information.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD\_LIB-7-SVR\_REG [chars]: failed to register with WDSysMon server: [chars]

**Explanation** An internal error was detected when trying to register with WDSysMon server with an initialization message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD\_LIB-7-SVR\_RSC\_UNREG [chars]:[chars]: failed to unregister with  
wdsysmon resource notification server: [chars]

**Explanation** An internal error was detected when trying to unregister with wdSysmon server

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD\_LIB-7-SVR\_UNREG [chars]: failed to unregister with WDSysMon server:  
[chars]

**Explanation** An internal error was detected when trying to unregister with WDSysMon server with a close message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD_LIB-7-SYSCALL [chars]: [chars](): [chars]
```

**Explanation** A system call failed in the wdsysmon library.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD_LIB-7-THREAD_CTX_INIT [chars]:[chars]: failed to initialize WDSysMon resource notification thread context: [chars]
```

**Explanation** An internal error was detected when trying to initialize the WDSysMon resource notification thread context

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

## HA\_WD Messages

**Error Message**

```
%HA-HA_WD-1-ABORTING [chars], Aborting.
```

**Explanation** The system is experiencing CPU Hog, If this condition persists for 30 seconds, the node will be reloaded.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD-1-CPU_HOG_5 Process [chars] pid [dec] tid [dec] prio [dec] using [dec]% is hogging CPU and will be terminated
```

**Explanation** This message is displayed

**Recommended Action** The command 'show watchdog trace' will display additional information about the potential CPU hog. If the hog is persistent, contact technical support. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD-1-CPU_HOG_ALERT Process [chars] pid [dec] tid [dec] prio [dec] using [dec]% is the top user of CPU.
```

**Explanation** This message is displayed after the CPU hog detector trips. It shows the percentage of CPU used by the busiest thread in the top consumer of CPU.

**Recommended Action** The command 'show watchdog trace' will display additional information about the potential CPU hog. If the hog is persistent, contact technical support. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD-1-CURRENT_STATE Persistent Hog detected for more than [dec] seconds
```

**Explanation** The system is experiencing CPU Hog, If this condition persists for 30 seconds, the node will be reloaded.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD-1-DISK_ALERT A monitored device [chars] is above [dec]% utilization. Current utilization equals [dec]. Please remove unwanted user files and configuration rollback points.
```

**Explanation** When some monitored disk's usage is above 99%.

**Recommended Action** The indicated disk device may be running out of space. Determine if there are unneeded files on the disk.

**Error Message**

```
%HA-HA_WD-2-DISK_CRIT A monitored device [chars] is above [dec]% utilization. Current utilization equals [dec]. Please remove unwanted user files and configuration rollback points.
```

**Explanation** When some monitored disk's usage is above 95%.

**Recommended Action** The indicated disk device may be running out of space. Determine if there are unneeded files on the disk.

**Error Message**

%HA-HA\_WD-3-DEBUG\_REGISTER\_FAIL Call to debug\_register() failed with error [dec] ([chars])

**Explanation** An internal error was detected when registering with the debug library.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-DEVCTL [chars]: line [dec]: devctl() on file [chars] failed with error [dec] ([chars])

**Explanation** Failed to open prodfs file or directory.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-EVM\_ASYNC\_ATTACH [chars]: could not attach handler for Event Manager asynchronous event: [chars]

**Explanation** An internal error was detected when attaching a handler for an Event Manager asynchronous event.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-EVM\_CREATE [chars]: could not create event manager: [chars]

**Explanation** An internal error was detected when creating Event Manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-EVM\_EVENT\_BLOCK [chars]: failed to block waiting for Event Manager events: [chars]

**Explanation** An internal error was detected when block waiting for Event Manager events.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.



**Error Message**

%HA-HA\_WD-3-EVM\_INIT\_EVENT [chars]: failed to initialize a sigevent structure:  
[chars]

**Explanation** An internal error was detected when trying to initialize a sigevent structure.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-EVM\_MSG\_ATTACH [chars]: could not attach handler for Event Manager synchronous message: [chars]

**Explanation** An internal error was detected when attaching a handler for an Event Manager synchronous message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-EVM\_THREAD\_INIT [chars]: unable to initialize event manager thread:  
[chars]

**Explanation** An error occurred when attempting to initialize the event manager thread.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-EVM\_TM\_ATTACH [chars]: could not set up a managed timer identifier:  
[chars]

**Explanation** An internal error was detected when trying to allocate a managed timer identifier and assign to it an event handler.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-EVM\_TM\_DETACH [chars]: could not set up a managed timer identifier:  
[chars]

**Explanation** An internal error was detected when trying to remove a managed timer registration from an event manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-EVM\_TM\_LEAF\_NEW [chars]: could not create a managed timer tree leaf:  
[chars]

**Explanation** An internal error was detected when trying to create a managed timer tree leaf for the event manager.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-FD\_CRIT\_LIM Process [chars], pid [dec] is using [dec] file  
descriptors out of a max of [dec]. Critical limit ([dec]%) crossed.

**Explanation** A process is potentially leaking FDs. Critical limit has been crossed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-FD\_INIT [chars]: failed to initialize fault detector: [chars]

**Explanation** An internal error was detected when initializing the fault detector.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-FREE\_MEM\_ADDR Unable to get address of free memory variable from kernel.

**Explanation** Wdsysmon was not able to get access to free memory information from kernel.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-HELPER\_INIT\_FAIL Failed to init helper lib. [chars]: [chars]

**Explanation** The system failed to initialize helper library. This is a fatal error for wdsysmon.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-MSG\_GET\_CHAN\_CHAN [chars]: could not get channel id from the channel handler: [chars]

**Explanation** An internal error was detected when trying to get channel id from a channel handler.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-NOTIF\_THREAD\_INIT [chars]: unable to initialize process memory notification thread: [chars]

**Explanation** An error occurred when attempting to initialize the event manager thread.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-OPEN\_PROCFS [chars]: could not open procfs file or directory [chars]: [chars]

**Explanation** Failed to open procfs file or directory.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-PLATFORM\_NODENAME [chars]: could not get local node name: [chars]

**Explanation** An internal error was detected when trying to get local node name through platform library.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-PLATFORM\_SLOT [chars]: could not get my slot number

**Explanation** An internal error was detected when trying to get the slot number of local node through platform library.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-POP [chars]: unmatched stack pop operation

**Explanation** An unmatched stack pop operation was detected.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-PTHR\_CREATE [chars]: could not create a POSIX thread

**Explanation** An internal error was detected when trying to create a POSIX thread.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-3-SERVICE\_CREATE Failed to create thread for service [dec], name [chars]: [chars]

**Explanation** The system failed to create the thread that provides the indicated service. This is a fatal error for wdsysmon.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD-3-WATCHER_THREAD_INIT [chars]: unable to initialize process cpu  
watcher thread: [chars]
```

**Explanation** An error occurred when attempting to initialize the cpu watcher thread.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD-4-CFG_FAILED [chars]: wd_config_init failed, error: [chars]
```

**Explanation** wd\_config\_init failed due to sysdb initialization problem.

**Recommended Action** Collect all logs, especially those from wdsysmon. Also collect output from 'show watchdog trace'. Forward the messages to technical support.

**Error Message**

```
%HA-HA_WD-4-DISK_ALARM [chars] [chars]
```

**Explanation** Set: When some monitored disk's usage is above 80%. Cleared: When all monitored disks' usage are below 80%.

**Recommended Action** The indicated disk device may be running out of space. Determine if there are unneeded files on the disk.

**Error Message**

```
%HA-HA_WD-4-DISK_WARN A monitored device [chars] is above [dec]% utilization.  
Current utilization equals [dec]. Please remove unwanted user files and  
configuration rollback points.
```

**Explanation** When some monitored disk's usage is above 80%.

**Recommended Action** The indicated disk device may be running out of space. Determine if there are unneeded files on the disk.

**Error Message**

```
%HA-HA_WD-4-DSC_REG_FAILED [chars]: Failed to register for DSC event with sysmgr,  
error: [chars]
```

**Explanation** sysmgr\_register\_lr\_event failed to register for DSC notification event

**Recommended Action** Collect all logs, especially those from wdsysmon. Also collect output from 'show watchdog trace'. Forward the messages to technical support.

**Error Message**

%HA-HA\_WD-4-FD\_MAJ\_LIM Process [chars], pid [dec] is using [dec] file descriptors out of a max of [dec]. Major limit ([dec]%) crossed.

**Explanation** A process is potentially leaking FDs. Major limit has been crossed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-4-FD\_MIN\_LIM Process [chars], pid [dec] is using [dec] file descriptors out of a max of [dec]. Minor Limit ([dec]%) crossed.

**Explanation** A process is potentially leaking FDs. Minor limit has been crossed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-4-FD\_NORMAL\_LIM Process [chars], pid [dec], is now using [dec] file descriptors. Status is Normal

**Explanation** --

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-4-MEM\_POLL [chars]: Failed to poll for memory usage: [chars]

**Explanation** An error was encountered during wdsysmon's poll for system memory usage.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-4-MEMORY\_ALARM Memory threshold crossed: [chars] with [unsigned int].[unsigned int]MB free

**Explanation** Set: Free memory on this node is below the reported threshold. Clear: Free memory is above the MINOR threshold. In both cases, the amount of free memory in megabytes is reported.

**Recommended Action** Investigate memory usage on this node. It may be necessary to unconfigure some applications or move them to a different node. In the case of memory leaks, technical support may need to be contacted.

**Error Message**

```
%HA-HA_WD-4-MEMORY_LIMIT_EXCEEDED Process [chars][[dec]] (pid [dec]) has exceeded its memory limit:[dec] kbytes of heap allowed, [dec] kbytes of heap used. (Info:[dec] kbytes of virtual shared memory used).
```

**Explanation** The process with the indicated name and pid has allocated more memory than its memory limit allows. The process will be restarted.

**Recommended Action** The system will collect data about the process before it is killed. Collect this data and forward it to technical support. Most likely, there is a memory leak in the process.

**Error Message**

```
%HA-HA_WD-4-MEMORY_STATE_CHANGE New memory state: [chars]
```

**Explanation** The free memory state of this node has changed to the indicated state.

**Recommended Action** If the free memory state is Severe or Critical, investigate memory usage on this node. It may be necessary to unconfigure some applications or move them to a different node. In the case of memory leaks, technical support may need to be contacted.

**Error Message**

```
%HA-HA_WD-4-TOP_MEMORY_USER_WARNING [dec]: Process Name: [chars][[dec]], pid: [dec][chars], Heap usage [dec] Kbytes, Virtual Shared memory usage: [dec] Kbytes.
```

**Explanation** This process is one of the top memory users in the system. If the system reaches critical memory exhaustion, this process is subject to restart or termination. If the process is listed as 'Killed', then the system is in the process of recovering the resources used by the process.

**Recommended Action** Collect system log information. Contact technical support if the problem is not a misconfiguration.

**Error Message**

```
%HA-HA_WD-4-TOP_MEMORY_USERS_WARNING Top [dec] consumers of system memory ([dec] Kbytes free):
```

**Explanation** This message is emitted when system memory usage crosses a threshold in the direction of increasing memory exhaustion. The top memory users will follow in the next messages. There may be a memory leak or misconfiguration.

**Recommended Action** Collect the data from the following messages and attempt to determine what is driving memory usage. Forward the messages to technical support.

**Error Message**

%HA-HA\_WD-4-TOP\_SHMEM\_USER\_WARNING [dec]: File/Directory Name: [chars], Kbytes used: [dec].

**Explanation** This process is one of the top sharedmemory users in the system. If the system reaches critical memory exhaustion, this process is subject to restart or termination. If the process is listed as 'Killed', then the system is in the process of recovering the resources used by the process.

**Recommended Action** Collect system log information. Contact technical support if the problem is not a misconfiguration.

**Error Message**

%HA-HA\_WD-4-TOP\_SHMEM\_USERS\_WARNING Top [dec] consumers of shared memory ([dec] Kbytes free):

**Explanation** This message is emitted when system memory usage crosses a threshold in the direction of increasing memory exhaustion. The top shared memory users will follow in the next messages. There may be a memory leak or misconfiguration.

**Recommended Action** Collect the data from the following messages and attempt to determine what is driving memory usage. Forward the messages to technical support.

**Error Message**

%HA-HA\_WD-5-NO\_TIMEOUT All registered event managers on this node are sending heartbeats.

**Explanation** All event managers are now sending keep alive messages as expected.

**Recommended Action** The debugging information collected when an event manager stopped sending heartbeats should be examined and provided to technical support for analysis.

**Error Message**

%HA-HA\_WD-5-TIMEOUT Event manager from process [chars][[dec]] created by thread [dec] at [chars] is not sending heartbeats.

**Explanation** A timeout occurred waiting to hear from an event manager. This could happen as a result of a process being deadlocked on another event.

**Recommended Action** Wdsysmon has detected that an event manager is no longer sending keepalive heartbeats. The message provides information about where the event manager was created. A debug script will run and collect information about the process and the state of the router. The output will be in a directory [/disk1:/disk0:/bootflash:/tmp]/wdsysmon\_debug/debug.\*



**Error Message**

%HA-HA\_WD-5-TIMEOUT\_CANCELLED Event manager from process [chars][[dec]] created by thread [dec] at [chars] is not sending heartbeats.

**Explanation** An event manager has resumed sending heartbeats. This happens when a condition that caused the hang is cleared.

**Recommended Action** The debugging information collected when the event manager stopped sending heartbeats should be examined and provided to technical support for analysis.

**Error Message**

%HA-HA\_WD-5-TIMEOUT\_EXIT Process [chars] with event manager not sending heartbeats has exited.

**Explanation** A process with an event manager that was not sending heartbeats has exited.

**Recommended Action** The debugging information collected when the event manager stopped sending heartbeats should be examined and provided to technical support for analysis.

**Error Message**

%HA-HA\_WD-6-CPU\_HOG\_1 CPU hog: cpu [dec]'s sched count is [dec].

**Explanation** Wdsysmon has detected a cpu starvation situation - potentially a high priority process spinning in a tight loop. The sched count is the number of times the wdsysmon ticker thread has been scheduled since the last time the wdsysmon watcher thread ran.

**Recommended Action** Check the system status, including the saved log for evidence of a high priority cpu hog.

**Error Message**

%HA-HA\_WD-6-CPU\_HOG\_2 CPU hog: cpu [dec]'s ticker last ran [dec].[dec] seconds ago.

**Explanation** Wdsysmon has detected a cpu starvation situation - potentially a high priority process spinning in a tight loop.

**Recommended Action** Check the system status, including the saved log for evidence of a high priority cpu hog.

**Error Message**

%HA-HA\_WD-6-CPU\_HOG\_3 Rolling average of scheduling times: [dec].[dec].

**Explanation** Wdsysmon has detected a cpu starvation situation - potentially a high priority process spinning in a tight loop. A high value for the rolling average indicates that a periodic process is not being scheduled.

**Recommended Action** Check the system status, including the saved log for evidence of a high priority cpu hog.

**Error Message**

%HA-HA\_WD-6-CPU\_HOG\_4 Process [chars] pid [dec] tid [dec] prio [dec] using [dec]% is the top user of CPU.

**Explanation** This message is displayed after the CPU hog detector trips. It shows the percentage of CPU used by the busiest thread in the top consumer of CPU.

**Recommended Action** The command 'show watchdog trace' will display additional information about the potential CPU hog. If the hog is persistent, contact technical support. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-6-DISK\_NORMAL Device [chars] usage [dec].

**Explanation** When all monitored disks' usage are below 80%.

**Recommended Action** The indicated disk device may be running out of space. Determine if there are unneeded files on the disk.

**Error Message**

%HA-HA\_WD-6-DISK\_UNMONITOR Alarmed disk [chars] is no longer monitored

**Explanation** Wdsysmon has been told to stop monitoring the indicated device, even though the disk is above 90% utilization.

**Recommended Action** If the disk is used for critical tasks, monitor the disk usage and take corrective action.

**Error Message**

%HA-HA\_WD-6-GI\_FILES\_CREATED New dump files created in [chars]

**Explanation** Information captured by various modules and stored in bootflash during a previous reset has been moved to hard disk.

**Recommended Action** Examine the dump information for possible root-cause for a previous reset. Use the wd\_test utility.

**Error Message**

%HA-HA\_WD-6-IN\_DEP\_LIST Process [chars] pid [dec] is present in Dependency List and will not be killed.

**Explanation** This message is emitted if the misbehaving process is one that wdsysmon depends on. It will not be terminated.

**Recommended Action** The command 'show watchdog trace' will display additional information about the process. Forward this information to technical support.

**Error Message**

%HA-HA\_WD-6-KNOWN\_HOG Top CPU user process [chars] pid [dec] is a known hog.

**Explanation** This message is emitted if the top CPU user is known to use substantial CPU under some circumstances.

**Recommended Action** The command 'show watchdog trace' will display additional information about the potential CPU hog. If the hog is persistent, contact technical support. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-6-MEMORY\_RECOVERY\_DISABLED Node physical memory 256MB

**Explanation** This node is not configured with sufficient memory to enable memory recovery support.

**Recommended Action** Re-configure this node with more physical memory

**Error Message**

%HA-HA\_WD-6-MEMORY\_RECOVERY\_KILL\_NON\_SYSMGR Process [chars] (pid [dec]) not managed by sysmgr using [dec] kbytes of heap memory will be killed and not restarted. (Info:[dec] kbytes of virtual shared memory).

**Explanation** The process with the indicated name and pid has been killed in an attempt to recover system memory. Since this process is not managed by sysmgr, it may not be restarted. The process can be manually restarted if desired, but may continue to consume large amounts of memory.

**Recommended Action** The system is critically short of memory. Automatic recovery will attempt to stabilize the system, but there is either a memory leak or a misconfiguration. Both require operator intervention.

**Error Message**

%HA-HA\_WD-6-MEMORY\_RECOVERY\_KILL\_SYSMGR Process [chars][[dec]] (pid [dec]) (managed by sysmgr) using [dec] kbytes of heap memory will be killed and not restarted. (Info:[dec] kbytes of virtual shared memory).

**Explanation** The sysmgr process with the indicated name and pid has been killed in an attempt to recover system memory. The process can be manually restarted if desired, but may continue to consume large amounts of memory.

**Recommended Action** The system is critically short of memory. Automatic recovery will attempt to stabilize the system, but there is either a memory leak or a misconfiguration. Both require operator intervention.

**Error Message**

%HA-HA\_WD-6-MEMORY\_RECOVERY\_RESTART Process [chars][[dec]] (pid [dec]) using [dec] kbytes of heap memory will be restarted. (Info:[dec] kbytes of virtual shared memory) .

**Explanation** The sysmgr process with the indicated name and pid has been restarted in an attempt to recover system memory.

**Recommended Action** The system is critically short of memory. Automatic recovery will attempt to stabilize the system, but there is either a memory leak or a misconfiguration. Both require operator intervention.

**Error Message**

%HA-HA\_WD-6-PROC\_KILL\_DISABLED [chars]: Process-terminate disabled. Pid [dec] will not be terminated

**Explanation** wdsysmon process-termination is disabled. A process which meets the kill criteria (either because it's in deadlock, or it's a memory or CPU hog - indicated by the first parameter [%d]) will not be terminated.

**Recommended Action** Collect all logs, especially those from wdsysmon. Also collect output from 'show watchdog trace'. Forward the messages to technical support.

**Error Message**

%HA-HA\_WD-6-TOP\_MEMORY\_USER\_INFO [dec]: Process Name: [chars][[dec]], pid: [dec][chars], Heap usage: [dec] kbytes, Virtual Shared memory usage: [dec] kbytes.

**Explanation** This process is one of the top memory users in the system. If the system reaches critical memory exhaustion, this process is subject to restart or termination. If the process is listed as 'Killed', then the system is in the process of recovering the resources used by the process.

**Recommended Action** Collect system log information. Contact technical support if the problem is not a misconfiguration.

**Error Message**

%HA-HA\_WD-6-TOP\_MEMORY\_USERS\_INFO Top [dec] consumers of system memory ([dec] Kbytes free):

**Explanation** This message is emitted when system memory usage crosses a threshold in the direction of increasing memory exhaustion. The top memory users will follow in the next messages. There may be a memory leak or misconfiguration.

**Recommended Action** Collect the data from the following messages and attempt to determine what is driving memory usage. Forward the messages to technical support.

**Error Message**

```
%HA-HA_WD-6-TOP_SHMEM_USER_INFO [dec]: File/Directory Name: [chars], Kbytes  
used: [dec].
```

**Explanation** This process is one of the top sharedmemory users in the system. If the system reaches critical memory exhaustion, this process is subject to restart or termination. If the process is listed as 'Killed', then the system is in the process of recovering the resources used by the process.

**Recommended Action** Collect system log information. Contact technical support if the problem is not a misconfiguration.

**Error Message**

```
%HA-HA_WD-6-TOP_SHMEM_USERS_INFO Top [dec] consumers of shared memory ([dec]  
Kbytes free):
```

**Explanation** This message is emitted when system memory usage crosses a threshold in the direction of increasing memory exhaustion. The top shared memory users will follow in the next messages. There may be a memory leak or misconfiguration.

**Recommended Action** Collect the data from the following messages and attempt to determine what is driving memory usage. Forward the messages to technical support.

**Error Message**

```
%HA-HA_WD-7-CISCOSHMEM [chars]: [chars]
```

**Explanation** Mapping to shared memory provided by cisco\_wrapper failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD-7-CLINFO_GET_DATUM [chars]: could not get an application datum  
associated with the channel: [chars]
```

**Explanation** An internal error was detected when trying to retrieve an application datum associated with the given channel handler.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-CLINFO\_M\_PID [chars]: could not get process id from message information: [chars]

**Explanation** An internal error was detected when trying to get process id from the information of a message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-CLINFO\_SAVE\_DATUM [chars]: could not save an application datum associated with the channel: [chars]

**Explanation** An internal error was detected when trying to save an application datum associated with the given channel handler.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-CLINFO\_UNHOLD [chars]: could not decrement the hold count of the client info data: [chars]

**Explanation** An internal error was detected when trying to decrement the hold count of the client info data of a synchronous message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-CONTEXT\_CREATE [chars]: Failed to create notification context: [chars]

**Explanation** During registration for memory notification, an internal error prevented the creation of an internal context structure. The calling function and detected error are displayed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-GET\_EVM\_CTX\_BY\_TIMER [chars]: could not find the event manager context by timeout timer [pointer]

**Explanation** An internal error was detected when trying to find the event manager context by the given timeout timer.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-MSG\_CHAN\_CONNECT [chars]: could not connect to the message channel [chars]: [chars]

**Explanation** An internal error was detected when attaching a handler for an Event Manager asynchronous event.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-MSG\_CHAN\_DISCONN [chars]: could not disconnect a message channel: [chars]

**Explanation** An internal error was detected when trying to disconnect a message channel.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-MSG\_SEND [chars]: could not send the message: [chars]

**Explanation** An internal error was detected when trying to send a message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-MSG\_SEND\_EVENT [chars]: could not send the sigevent: [chars]

**Explanation** An internal error was detected when trying to send a sigevent to the client that last sent a message on the connection.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-MSG\_TYPE [chars]: unknown message type [dec]

**Explanation** A message with an unknown type was received.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-NO\_MEM [chars]: not enough memory: [chars]

**Explanation** Allocating memory failed due to a low-memory condition.

**Recommended Action** Reduce other system activity to ease memory demands. If conditions warrant, upgrade to a larger memory configuration.

**Error Message**

%HA-HA\_WD-7-SCHED\_GET\_PRIORITY\_MAX [chars]: The sched\_get\_priority\_max() function returned an error; [chars]

**Explanation** The sched\_get\_priority\_max() function returned an error which is indicated in the message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-HA\_WD-7-SCHED\_SETSCHEDULER [chars]: The sched\_setscheduler() function returned an error; [chars]

**Explanation** The sched\_setscheduler() function returned an error which is indicated in the message.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.



**Error Message**

```
%HA-HA_WD-7-SYSCALL [chars]: [chars](): [chars]
```

**Explanation** A system call failed. The calling function, the failed call, and error are displayed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HA_WD-7-UNEXPECTED Unexpected: [chars]: [chars]: [hex]
```

**Explanation** An unexpected condition encountered. This is not necessarily an error.

**Recommended Action** Collect system log information. No action is required.

## HM Messages

**Error Message**

```
%HA-HM-3-FPING_ERROR [chars]
```

**Explanation** HA Health Monitor Fabric ping failed

**Recommended Action** Shelf Manager should receive a critical alarm from HA Health Monitor for this error. The node should be reset by Shelf Manager. If the message recurs, copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HM-3-FPING_MISMATCH [chars]
```

**Explanation** HA Health Monitor Fabric ping failed. When a received ping response does not match the transmitted ping, this indicates some kind of cell corruption or cell loss in the fabric or edges of the fabric.

**Recommended Action** If problem persist, it indicates the bad hw in the system. Please contact TAC for fault isolation. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HM-4-ERROR_INIT [chars], reason: [chars]
```

**Explanation** HA Health Monitor failed to initialize due to internal software errors

**Recommended Action** The System Manager process (sysmgr) will automatically respawn this process, up to a fixed number of times when this error is encountered, to recover. Execute 'show process hm location' to verify that the process is up and running. If it is still non-operational, try doing 'process restart hm location'. If the message recurs, copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-HM-4-FPING_INCOMPLETE HM fabric ping only completed [unsigned int] of
[unsigned int] pings (ret equals [hex])
```

**Explanation** HA Health Monitor Fabric ping test sequence failed to complete. If there were any errors before it got disrupted, then these are reported separately. The test will be restarted again at next HM fping interval. If there are no other errors reported, this warning is rarely a cause for concern, unless it very frequently causes only a partial set of HM fabric pings to be completed.

**Recommended Action** No action is required because HA Health Monitor will retry Fabric ping again

**Error Message**

```
%HA-HM-4-FPING_RETRY_ERROR Fabric ping test failed for attempt: [dec], Node will
be reset after [dec] retries
```

**Explanation** HA Health Monitor Fabric ping failed but will retry again

**Recommended Action** No action is required because HA Health Monitor will retry Fabric ping again

## IRM\_CHKPT Messages

**Error Message**

```
%HA-IRM_CHKPT-7-INIT_ERROR initialization error: [chars]: [dec] ([chars])
```

**Explanation** An error was encountered during initialization of the checkpoint library. The message should indicate the error condition. This is most likely due to a coding error.

**Recommended Action** No action is required.

# LRD\_inv Messages

## Error Message

%HA-LRD\_inv-3-BAG\_REGISTRATION Unable to register LRd's bag structures.  
'[chars]'

**Explanation** LRd was unable to register bag structures.

**Recommended Action** Contact support.

## Error Message

%HA-LRD\_inv-3-BAG\_REGISTRATION Unable to register LRd's bag structures.  
'[chars]'

**Explanation** LRd was unable to register bag structures.

**Recommended Action** Contact support.

## Error Message

%HA-LRD\_inv-3-BAG\_REGISTRATION Unable to register LRd's bag structures.  
'[chars]'

**Explanation** LRd was unable to register bag structures.

**Recommended Action** Contact support.

## Error Message

%HA-LRD\_inv-3-BAG\_REGISTRATION Unable to register LRd's bag structures.  
'[chars]'

**Explanation** LRd was unable to register bag structures.

**Recommended Action** Contact support.

## Error Message

%HA-LRD\_inv-3-MEM\_ALLOC\_FAIL Failed to allocated [dec] bytes of memory: [chars]

**Explanation** The requested operation could not be accomplished because of a low memory condition.

**Recommended Action** Contact TAC.

**Error Message**

%HA-LRD\_inv-3-MEM\_ALLOC\_FAIL Failed to allocated [dec] bytes of memory: [chars]

**Explanation** The requested operation could not be accomplished because of a low memory condition.

**Recommended Action** Contact TAC.

**Error Message**

%HA-LRD\_inv-3-MEM\_ALLOC\_FAIL Failed to allocated [dec] bytes of memory: [chars]

**Explanation** The requested operation could not be accomplished because of a low memory condition.

**Recommended Action** Contact TAC.

**Error Message**

%HA-LRD\_inv-3-MEM\_ALLOC\_FAIL Failed to allocated [dec] bytes of memory: [chars]

**Explanation** The requested operation could not be accomplished because of a low memory condition.

**Recommended Action** Contact TAC.

**Error Message**

%HA-LRD\_inv-3-MEM\_ALLOC\_FAIL Failed to allocated [dec] bytes of memory: [chars]

**Explanation** The requested operation could not be accomplished because of a low memory condition.

**Recommended Action** Contact TAC.

**Error Message**

%HA-LRD\_inv-3-MSG\_CERR\_REGISTER\_DLL Could not register dll with error services:  
[chars]

**Explanation** The call register the dll using cerr\_register\_dll failed.

**Recommended Action** Contact TAC.

**Error Message**

%HA-LRD\_inv-3-MSG\_CERR\_REGISTER\_DLL Could not register dll with error services:  
[chars]

**Explanation** The call register the dll using cerr\_register\_dll failed.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-MSG\_CERR\_REGISTER\_DLL Could not register dll with error services:  
[chars]

**Explanation** The call register the dll using cerr\_register\_dll failed.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-MSG\_CERR\_REGISTER\_DLL Could not register dll with error services:  
[chars]

**Explanation** The call register the dll using cerr\_register\_dll failed.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-MSG\_CERR\_REGISTER\_DLL Could not register dll with error services:  
[chars]

**Explanation** The call register the dll using cerr\_register\_dll failed.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-MSG\_INVENTORY\_FWD Error forwarding inventory: '[chars]'

**Explanation** LRD was unable to read or write information needed to forward inventory in Admin space to the LR Plane.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-MSG\_INVENTORY\_FWD Error forwarding inventory: '[chars]'

**Explanation** LRD was unable to read or write information needed to forward inventory in Admin space to the LR Plane.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-MSG\_INVENTORY\_FWD Error forwarding inventory: '[chars]'

**Explanation** LRD was unable to read or write information needed to forward inventory in Admin space to the LR Plane.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-MSG\_INVENTORY\_FWD Error forwarding inventory: '[chars]'

**Explanation** LRD was unable to read or write information needed to forward inventory in Admin space to the LR Plane.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-REDUNDANCY\_STATE Unrecognized redundancy state [dec]

**Explanation** LRD doesn't recognize redundancy state.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-REDUNDANCY\_STATE Unrecognized redundancy state [dec]

**Explanation** LRD doesn't recognize redundancy state.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-REDUNDANCY\_STATE Unrecognized redundancy state [dec]

**Explanation** LRD doesn't recognize redundancy state.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-REDUNDANCY\_STATE Unrecognized redundancy state [dec]

**Explanation** LRD doesn't recognize redundancy state.

**Recommended Action** Contact TAC.

**Error Message**

%HA-LRD\_inv-3-REDUNDANCY\_STATE Unrecognized redundancy state [dec]

**Explanation** LRD doesn't recognize redundancy state.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-SYSDB\_ITEM\_ERROR sysdb\_item\_[chars]([chars]) returned '[chars]'

**Explanation** SysDB returned an error to LRd.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-SYSDB\_ITEM\_ERROR sysdb\_item\_[chars]([chars]) returned '[chars]'

**Explanation** SysDB returned an error to LRd.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-SYSDB\_ITEM\_ERROR sysdb\_item\_[chars]([chars]) returned '[chars]'

**Explanation** SysDB returned an error to LRd.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-3-SYSDB\_ITEM\_ERROR sysdb\_item\_[chars]([chars]) returned '[chars]'

**Explanation** SysDB returned an error to LRd.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD\_inv-4-CANT\_FIND\_DSC LR Daemon library could not find the dSC.

**Explanation** LRdlib could not find the dSC.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-LRD\_inv-4-CANT\_FIND\_DSC LR Daemon library could not find the dSC.

**Explanation** LRdlib could not find the designated Shelf Controller.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-LRD\_inv-4-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error, but may help with debugging other problems elsewhere!

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-LRD\_inv-4-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error, but may help with debugging other problems elsewhere!

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-LRD\_inv-4-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error, but may help with debugging other problems elsewhere!

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-LRD\_inv-4-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error, but may help with debugging other problems elsewhere!

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-LRD\_inv-4-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error, but may help with debugging other problems elsewhere!

**Recommended Action** Collect system log information. No action is required.



**Error Message**

%HA-LRD\_inv-6-NON\_DRP\_PRIMARY WARNING: A node with unknown type or a non RP/DRP node [chars] is used as primary for SDR

**Explanation** This is an informational message output during SDR configuration commit time only if a non-RP or non-DRP node is being assigned as primary to the SDR. Please note that if the node is not in IOX-RUN state, it's node type will not be determined.

**Recommended Action** Verify the card type in the slot being configured as primary for the SDR. If not a DRP or RP card, please replace with valid card type.

**Error Message**

%HA-LRD\_inv-6-NON\_DRP\_PRIMARY WARNING: A node with unknown type or a non RP/DRP node [chars] is used as primary for SDR

**Explanation** This is an informational message output during SDR configuration commit time only if a non-RP or non-DRP node is being assigned as primary to the SDR. Please note that if the node is not in IOX-RUN state, it's node type will not be determined.

**Recommended Action** Verify the card type in the slot being configured as primary for the SDR. If not a DRP or RP card, please replace with valid card type.

**Error Message**

%HA-LRD\_inv-6-NON\_DRP\_PRIMARY WARNING: A node with unknown type or a non RP/DRP node [chars] is used as primary for SDR

**Explanation** This is an informational message output during SDR configuration commit time only if a non-RP or non-DRP node is being assigned as primary to the SDR. Please note that if the node is not in IOX-RUN state, it's node type will not be determined.

**Recommended Action** Verify the card type in the slot being configured as primary for the SDR. If not a DRP or RP card, please replace with valid card type.

**Error Message**

%HA-LRD\_inv-6-RESET\_CARD\_FOR\_PAIRING LRD has reset the DRP '[dec]' to accomodate new pairing configuration.

**Explanation** The DRP pairing configuration was changed. The card entering or leaving the pair needs to be reset in order to accomodate the new configuration.

**Recommended Action** None.

**Error Message**

%HA-LRD\_inv-6-RESET\_CARD\_FOR\_PAIRING Lrd has reset the DRP '[dec]' to accomodate new pairing configuration.

**Explanation** The DRP pairing configuration was changed. The card entering or leaving the pair needs to be reset in order to accomodate the new configuration.

**Recommended Action** None.

**Error Message**

%HA-LRD\_inv-6-RESET\_CARD\_FOR\_PAIRING Lrd has reset the DRP '[dec]' to accomodate new pairing configuration.

**Explanation** The DRP pairing configuration was changed. The card entering or leaving the pair needs to be reset in order to accomodate the new configuration.

**Recommended Action** None.

**Error Message**

%HA-LRD\_inv-6-RESET\_CARD\_FOR\_PAIRING Lrd has reset the DRP '[dec]' to accomodate new pairing configuration.

**Explanation** The DRP pairing configuration was changed. The card entering or leaving the pair needs to be reset in order to accomodate the new configuration.

**Recommended Action** None.

**Error Message**

%HA-LRD\_inv-6-RESET\_CARD\_LR\_CHANGE Lrd has reset the card in slot '[dec]' because it was assigned to a new LR.

**Explanation** The DRP pairing configuration was changed. The card entering or leaving the pair needs to be reset in order to accomodate the new configuration.

**Recommended Action** None.

**Error Message**

%HA-LRD\_inv-6-UNPAIRED\_DRP WARNING: A unpaired DRP node [chars] is being added as primary to SDR

**Explanation** This is an informational message output during SDR configuration commit time only if an unpaired DRP node is being assigned to an SDR.

**Recommended Action** \*none\*

**Error Message**

%HA-LRD\_inv-6-UNPAIRED\_DRP WARNING: A unpaired DRP node [chars] is being added as primary to SDR

**Explanation** This is an informational message output during SDR configuration commit time only if an unpaired DRP node is being assigned to an SDR.

**Recommended Action** \*none\*

**Error Message**

%HA-LRD\_inv-6-UNPAIRED\_DRP WARNING: A unpaired DRP node [chars] is being added as primary to SDR

**Explanation** This is an informational message output during SDR configuration commit time only if an unpaired DRP node is being assigned to an SDR.

**Recommended Action** \*none\*

## LRD Messages

**Error Message**

%HA-LRD-2-EVENTATTACHFAIL event attach failure.

**Explanation** The LR Daemon encountered an error when registering for synchronous or asynchronous events.

**Recommended Action** If any of these messages recur, call your technical support representative for assistance.

**Error Message**

%HA-LRD-2-SYSMGR\_GET\_NODE\_STATE sysmgr get node state failure: [chars].

**Explanation** sysmgr\_get\_node\_state failed.

**Recommended Action** If any of these messages recur, call your technical support representative for assistance.

**Error Message**

%HA-LRD-2-SYSMGR\_REGISTER node role change registration with sysmgr failed: [chars].

**Explanation** sysmgr\_register\_node\_state\_change\_evm failed.

**Recommended Action** If any of these messages recur, call your technical support representative for assistance.

**Error Message**

%HA-LRD-3-BAG\_REGISTRATION Unable to register LRd's bag structures. '[chars]'

**Explanation** LRd was unable to register bag structures.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD-3-MEM\_ALLOC\_FAIL Failed to allocated [dec] bytes of memory: [chars]

**Explanation** The requested operation could not be accomplished because of a low memory.

**Recommended Action** Contact TAC.

**Error Message**

%HA-LRD-3-MSG\_CERR\_REGISTER\_DLL Could not register dll with error services: [chars]

**Explanation** The call register the dll using cerr\_register\_dll failed.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD-3-MSG\_INVENTORY\_FWD Error forwarding inventory: '[chars]'

**Explanation** LRd was unable to read or write information needed to forward inventory in Admin space to the LR Plane.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD-3-REDUNDANCY\_STATE Unrecognized redundancy state [dec]

**Explanation** LRd doesn't recognize redundancy state.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD-3-SYSDB\_ITEM\_ERROR sysdb\_item\_[chars]([chars]) returned '[chars]'

**Explanation** SysDB returned an error to LRd.

**Recommended Action** Contact support.

**Error Message**

%HA-LRD-4-CANT\_FIND\_DSC LR Daemon library could not find the dSC.

**Explanation** LRdlib could not find the dSC.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-LRD-4-HEADLESS\_SDR\_STATE Headless SDR condition detected, reloading local node.

**Explanation** Headless SDR condition was detected. The local card is being reset. This is not necessarily an error condition!

**Recommended Action** Make sure the dSDRSC is up.

**Error Message**

%HA-LRD-4-SDR\_PLANE\_READY\_TIMEOUT Signalling SDR Plane Ready for SDR [chars] ([dec]) (mgmt nodes [dec] of [dec] are NOT READY yet) -[chars]

**Explanation** SDR Plane ready is being signalled due to SDR plane ready timeout.

**Recommended Action** Contact TAC.

**Error Message**

%HA-LRD-4-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error, but may help with debugging other problems elsewhere!

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-LRD-4-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error, but may help with debugging other problems elsewhere!

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-LRD-6-LATE\_MGMT\_NODE Management node [hex] in SDR [chars] ([dec]) is READY after SDR Plane Ready is signalled

**Explanation** A management node in the specified SDR came up after SDR Plane ready for that SDR was signalled.

**Recommended Action** Contact TAC.

## REDCON\_CLIENT Messages

### Error Message

%HA-REDCON\_CLIENT-3-ERROR [chars]: [chars]: [hex]: [chars]

**Explanation** A redcon client API failed in the indicated function, for the specified reason.

**Recommended Action** Collect the function name and traceback information and forward to your next level of technical support. No action is required.

### Error Message

%HA-REDCON\_CLIENT-7-MSG\_SEND [chars]: Failed to send [chars] message to redcon:  
[hex]: [chars]

**Explanation** An attempt to send a message to the redcon server failed with the specified reason. It may be the case that redcon had been restarted.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

## REDCON Messages

### Error Message

%HA-REDCON-1-STANDBY\_NOT\_READY standby card is NOT ready

**Explanation** Redcon has determined that the standby card is NOT ready because of the failure of one or more events that prevent it from being in-sync with the active card.

**Recommended Action** Collect system log information. No action is required.

### Error Message

%HA-REDCON-1-STANDBY\_READY standby card is ready

**Explanation** Redcon has determined that the standby card is ready to take over as active card if it needs to.

**Recommended Action** No action is required.

**Error Message**

%HA-REDCON-3-DRIVER\_INIT\_FAILED initialization of the redundancy driver failed after [dec] attempts

**Explanation** Redcon has attempted to call the platform-specific redundancy driver initialization function, but the call failed after several attempts.

**Recommended Action** No action is required.

**Error Message**

%HA-REDCON-3-PCDS\_INIT\_FAILED Redcon unable to register with PCDS infrastructure.

**Explanation** An unexpected error condition encountered.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-3-UNEXPECTED\_ERROR Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected error condition encountered.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-4-FAILOVER\_DISABLED Failover has been disabled by config

**Explanation** Redcon has notified the card failover has been disabled by the configuration.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-4-FAILOVER\_REQUESTED failover has been requested by operator, waiting to initiate

**Explanation** Redcon on the active card has been told to failover by request

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-4-SRP\_NR\_CLIENT\_UNREG client not registered to set SRP not ready : [chars]

**Explanation** An unexpected error condition encountered.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-4-SRP\_NR\_REASON\_UNREG client ([unsigned int],[chars]) is using unregistered reason string to set SRP not ready: [chars]

**Explanation** An unexpected error condition encountered.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-4-STANDBY\_NOT\_READY\_ALARM [chars]

**Explanation** Set: When the standby remains in not ready state for a prolonged period. Cleared: When the standby is removed, reset or goes ready.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-4-STANDBY\_NOT\_READY\_REASON JID [dec], node [chars], process [chars] set the standby not ready: [chars]

**Explanation** The named process has set the standby in a not ready state with the supplied reason.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-4-STBY\_ACTIVE\_NOT\_READY Notice to go active: Card not ready and will be reset

**Explanation** Redcon attempted to go active without the card ready - reset card

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-4-STBY\_CONN\_RETRY Connection to [chars] failed - retrying...

**Explanation** Redcon failed to establish a connection to redcon on the standby card.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-4-STBY\_FORCE\_GO\_ACTIVE Notice to go active: Not ready but forced failover has been allowed

**Explanation** Redcon has been forced to go active even though the card is not ready.

**Recommended Action** Collect system log information. No action is required.



**Error Message**

%HA-REDCON-6-GO\_ACTIVE this card going active

**Explanation** The card is going active.

**Recommended Action** No action is required.

**Error Message**

%HA-REDCON-6-GO\_STANDBY this card going standby

**Explanation** The card is going standby.

**Recommended Action** No action is required.

**Error Message**

%HA-REDCON-6-STANDBY\_CONNECTION\_DOWN connection to standby card is DOWN

**Explanation** Redcon has determined that the connection to the standby card has gone down.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-6-STANDBY\_CONNECTION\_UP connection to standby card is UP

**Explanation** Redcon has determined that the connection to the standby card has been successfully completed.

**Recommended Action** No action is required.

**Error Message**

%HA-REDCON-6-STBY\_STANDBY\_NOT\_READY This card is standby and is NOT ready

**Explanation** Redcon has determined that the standby card is NOT ready because of the failure of one or more events that prevent it from being in-sync with the active card.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-6-STBY\_STANDBY\_READY This card is standby and is ready

**Explanation** Redcon has determined that the standby card is ready to take over as active card if it needs to.

**Recommended Action** No action is required.

**Error Message**

%HA-REDCON-7-FAILOVER\_ENABLED Failover has been enabled by config

**Explanation** Redcon has notified the card failover has been enabled by the configuration.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-7-MSG\_SEND\_FAILED msg\_send [chars] failed [chars] [dec]

**Explanation** Redcon attempted to call msg\_send but it failed.

**Recommended Action** Collect system log information. No action is required.

**Error Message**

%HA-REDCON-7-UNEXPECTED Unexpected: [chars]: [chars]: [hex]

**Explanation** An unexpected condition encountered. This is not necessarily an error.

**Recommended Action** Collect system log information. No action is required.

## REDSTATS Messages

**Error Message**

%HA-REDSTATS-3-SERVICE\_CREATE Failed to create thread for service [dec], name [chars]: [chars]

**Explanation** The system failed to create the thread that provides the indicated service. This is a fatal error for redstatsd.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%HA-REDSTATS-7-SYSCALL [chars]: [chars](): [chars]

**Explanation** A system call failed. The calling function, the failed call, and error are displayed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-REDSTATS-7-UNEXPECTED Unexpected: [chars]: [hex] : [chars]
```

**Explanation** An unexpected condition encountered. This is not necessarily an error.

**Recommended Action** Collect system log information. No action is required.

## WD\_STAT\_PUB Messages

**Error Message**

```
%HA-WD_STAT_PUB-3-SHM_EDM_ERR [chars]: [chars], ([unsigned int])
```

**Explanation** A shared memory for statistics area might be corrupted.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-WD_STAT_PUB-3-SHM_ERR [chars]: [chars], version: [unsigned int], magic: [hex]
```

**Explanation** A shared memory for statistics area might be corrupted.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-WD_STAT_PUB-3-SHMEM [chars]: Error. initializing shared memory. ([chars])
```

**Explanation** Failed to initialize the shared memory.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%HA-WD_STAT_PUB-7-SYSCALL [chars]: [chars](): [chars]
```

**Explanation** A system call failed. Error reason will be displayed on the console.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

# ACCT\_EA Messages

## Error Message

%IEDGE-ACCT\_EA-3-INIT Failed to initialize [chars], because of [chars]

**Explanation** Initialization process such as getting an evm failed.

**Recommended Action** sysmgr will retry to start the acct\_ea. If not recovered, it's a fatal condition. If the message recurs, copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information. \*REDUCE\*

## Error Message

%IEDGE-ACCT\_EA-3-NOMEM ACCT EA failed to program '[chars]' due to low memory

**Explanation** The ACCT EA process could not allocate memory needed to program some ACCT feature.

**Recommended Action** Check memory status.

## Error Message

%IEDGE-ACCT\_EA-3-PLAT\_UPD\_FAILED Platform update failed: [chars] -  
[chars] (CH[hex])

**Explanation** Platform update failed.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

## Error Message

%IEDGE-ACCT\_EA-3-PLAT\_UPD\_FAILED\_GL Platform update failed for [dec] interface:  
[chars] - [chars]

**Explanation** Platform update failed for all interfaces in a batch.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%IEDGE-ACCT_EA-4-ERROR [chars]: [chars]
```

**Explanation** There was an error with processing an event in the EA.

**Recommended Action** Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

## ACCT\_MA Messages

**Error Message**

```
%IEDGE-ACCT_MA-3-ACCT_NOT_CONFIGURED Policy-map [chars] must have 'accounting  
aaa list' configured with idle timeout or prepaid commands.
```

**Explanation** A policy-map containing prepaid and/or idle timeout commands must also contain an accounting command.

**Recommended Action** Define a policy-map that contains an accounting command in addition to the prepaid or idle timeout command. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%IEDGE-ACCT_MA-3-BAD_MATCH_TYPE Policy-map [chars] has an unsupported class-map.  
Accounting policy-map support is limited to class-maps of type IPv4 ACL.
```

**Explanation** An accounting policy-map must contain a class-map of type IPv4 ACL. This is the only supported match type.

**Recommended Action** Define a policy-map that contains an IPv4 ACL class-map. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

```
%IEDGE-ACCT_MA-3-CFG_UNDEFINED Prepaid configuration [chars] is not defined.
```

**Explanation** The prepaid configuration name that was specified in the prepaid command has not been defined in the system.

**Recommended Action** Define a prepaid configuration with the name used in the prepaid command or change the name in the command to an existing prepaid configuration. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%IEDGE-ACCT\_MA-3-PLCYMAP\_UNDEFINED Policy-map [chars] is not defined.

**Explanation** The policy-map name that was configured in the service type dynamic-template has not been defined in the system.

**Recommended Action** Define a policy-map with the name used in the service-policy command or change the name in the command to an existing policy-map. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.

**Error Message**

%IEDGE-ACCT\_MA-3-PREPAID\_REQ\_FAILED Prepaid session request failed. Check configuration.

**Explanation** There was an undefined failure when starting a new prepaid session.

Check all applicable configurations on the router and radius server. Copy the error message exactly as it appears on the console or in the system log, call your Cisco technical support representative and provide the representative with the gathered information.