

HEARTBEAT

Product Updates

To install these fixes the following should serve as a guideline;

- Logon as root and use hbmenu to shutdown heartbeat on the server.
- Extract the tar file in to a scratch directory.
- Run the hbsetup script in this directory and follow the prompts.
- This will install the patches and rebuild the Heartbeat executables.
- Now restart heartbeat using hbmenu.

fix_001: 84615

When hbwatch sends a FAIL message for its host it now immediately acknowledges the message to hbarbiter before waiting for the host to disconnect. This ensures hbarbiter handles the first system failure promptly and doesn't fail the only remaining host.

fix_002: 84623

Fix hbgates file locking problem. hbclient now closes and re-opens hbgates when it sees a lock error to force the OS to clear locks.

fix_003: 84614

Report using hbreport when starting tlrestore on switch over due to secondary paused.

fix_004: 84463

Stop unwanted named messages.

fix_005:

Cure problem where telnet_lbs sessions can hang on disconnect after starting heartbeat.

fix_006:

Deliver hbprobe to aid installation and diagnostics.

fix_007:

Stop telnet sessions coming into gate when marking it failed.

fix_008:

hbmenu now monitors segmented lan to ensure principal application and master gateway are on same segment.

fix_009: 84671

Stop hbdci core dumping if popen of 'ps -ef' fails

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fix_011: 84646

Enable delay between rushes in hbmonlanan

fix_012:

Inform arbiter about all hosts - resolves recovered system connecting to arbiter

fix_013:

Shutdown hbclient early on system failure to prevent erroneous DCI updates

fix_014:

Disconnect on all comms failures - fix core dump on system failure

fix_015: 84674

Vairy backoff interval on connection timeout. Reduce connection timeout time. Handle sigchild after failing gateway. Shutdown quicker when connection problems. Record DCI change requests in hb.log.

fix_016: 84674 84675

Provide new z option to fail all hosts/gates on a lan segment and make a local gate master. Make sure hosts not connected to arbiter are highlighted.

fix_017:

Resolve smanager problem when server terminates while in an accept. Can cause connecting client to hang forever.

fix_018:

Stop hbprocess core dumping when failing local system and leaving the HB message Q behind. Causes confusion as to whether or not HB is running.

fix_019:

Be kind to smanager and make servers disconnect before exiting.

fix_020:

Enable host to be failed even when it is not connected to arbiter. Fail other host when failing lan segment.

fix_021: 84699

Don't propogate 'Q' status - just wait to be told what to do.

fix_022: 84700

Clear DCI file when gate starts to stop users being routed by it before heartbeat is started. (DCI file may be stale and route users to wrong system.)

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fix_023:

When making a gate master give user option of making current master slave.

fix_024:

When hbclient connects to host, transmit other hosts application status, as the other host may have had its application status cleared. A running hbclient should always have correct status.

fix_025: 84704

Enable generation of "master on wrong segment" messages even when primary app is failsafe failed.

fix_026: 84700

Enable hbinit to be installed properly from a fix. Fix problem when a gateway starting with an empty DCI file incorrectly handles DCI information from a host that has been restarted after an error.

fix_027:

Stop possible lockup of hbprocess while attempting to fail the local system. Suppress restarting monitors while failing local system.

fix_028:

Change "Clear application status ?" to "Is Heartbeat currently active on host \$RemoteHost ?"

fix_029: 84732

When gate load messages time out, mark gate as failed in DCI and don't allow reconnection.

fix_030: 84740

Prevent Logging of LPR DEBUG messages. Prevent LPR DEBUG messages from filling up log.

fix_031: 84887

Stop hbprocess hanging when one of its children fails to exit.

fix_032:

Stop hbadm core dumping during cat DCI file when DCI file doesn't exist.

fix_033:

Stop hbmenu generating 'other host' messages when starting heartbeat on a gateway.

fix_034:

Supply new tcp router

fix_035: 85019

Stop master gateway being set 100% busy after second system reports failure.
Stop hbwatch core dump after sending FAIL message.

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fix_036: 85022

Run new hbtoggle script on both hosts when toggling application status

fix_037: 85217

Stop hbdcx exit when it inadvertently receives a signal 16.

fix_038:

Stop master gate being marked failed after fault in monitor mode