

ALTIBASE HDB
6.1.1.5.2
Patch Notes

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- **BUG-31994** The session can be disconnected if the println function is called within a PSM for more than 65,535 times.

- **Module:** cm
- **Category:** Functional Error
- **Reproducibility:** Always
- **Reproducing Conditions:**

Reproduction	<pre> CREATE OR REPLACE PROCEDURE PROC (MAX_NUM IN INTEGER) AS V1 INTEGER; BEGIN V1 := 0; LOOP EXIT WHEN V1 > MAX_NUM; PRINTLN('PRINT> ' TO_CHAR(V1)); V1 := V1 + 1; END LOOP; END; / exec proc(65535); </pre>
Execution Result	<pre> iSQL> exec proc(65535); ... PRINT> 65532 PRINT> 65533 PRINT> 65534 PRINT> 65535 [ERR-91015 : Communication failure.] </pre>
Anticipated Result	<pre> iSQL> exec proc(65535); ... PRINT> 65532 PRINT> 65533 PRINT> 65534 PRINT> 65535 Execute success. </pre>

- **Symptoms:** The session can be disconnected if the println function is called within a PSM for more than 65,535 times.
- **Changes:** NONE
- **Workaround:** NONE

- BUG-33800 Update-in-place can be performed when it should not.
- Module: sm
- Category: Functional Error
- Reproducibility: Always
- Reproducing Conditions:

Reproduction	<pre> DROP TABLE T1; create table T1 (idx integer); INSERT INTO T1 SELECT ROWNUM FROM DUAL CONNECT BY LEVEL <= 10; AUTOCOMMIT OFF; LOCK TABLE T1 IN EXCLUSIVE MODE; update T1 a set a.idx = (select idx from T1 b where b.idx = (11 - a.idx)); SELECT * FROM T1; </pre>
Execution Result	<pre> iSQL> SELECT * FROM T1; IDX ----- 10 9 8 7 6 </pre> <p>10 rows selected.</p>
Anticipated Result	<pre> iSQL> SELECT * FROM T1; IDX ----- 10 9 8 7 6 5 4 3 2 1 </pre> <p>10 rows selected.</p>

- Symptoms: Update-in-place can be performed when it should not as follows:
 1. When a foreign key is set.
 2. When two cursors are set to the same table.
- Changes: NONE
- Workaround: NONE

- **BUG-40494** Support for the DAMO hash function.
- **Module:** mt-function
- **Category:** Functionality
- **Reproducibility:** Always
- **Reproducing Conditions:** NONE
- **Symptoms:** Support for built-in hash functions that use the DAMO library.
- **Changes:**

Added functions
SECURE_HASH_STR (DAMO_HASH_STR)
SECURE_HASH_B64 (DAMO_HASH_B64)

- **Workaround:** NONE

- **BUG-40611** The server can hang if two or more statements are used with stored procedures.
- **Module:** mm
- **Category:** HANG
- **Reproducibility:** Always
- **Reproducing Conditions:** NONE
- **Symptoms:** The server can hang if two or more statements are used with stored procedures.
- **Changes:** NONE
- **Workaround:** NONE

- **BUG-40858** The server may abnormally terminate when a view with a SYSDATE column is created.
- **Module:** qp-ddl-dcl-pvo
- **Category:** Fatal
- **Reproducibility:** Always
- **Reproducing Conditions:** NONE
- **Symptoms:** The server may abnormally terminate when a view with a SYSDATE column is created. **Changes:** NONE
- **Workaround:** NONE

- **BUG-40865** The server may abnormally terminate while data is queried and stored in the BINARY type with ODBC CLI
- **Module:** mt
- **Category:** Fatal
- **Reproducibility:** Always
- **Reproducing Conditions:** NONE
- **Symptoms:**
- **Changes:** NONE
- **Workaround:** NONE

- **BUG-40939** An error occurs if a cursor with the name SELECT_CUR is declared with apre.
- **Module:** mm-apre
- **Category:** Usability
- **Reproducibility:** Always
- **Reproducing Conditions:**

Reproduction	<pre> struct ulpSqlstmt ulpSqlstmt; memset(&ulpSqlstmt, 0, sizeof(ulpSqlstmt)); ulpSqlstmt.stmttype = 12; ulpSqlstmt.stmtname = NULL; ulpSqlstmt.curname = (char*) "SELECT_CUR"; ulpSqlstmt.ismt = 0; ulpSqlstmt.numofhostvar = 0; ulpSqlstmt.statusptr = NULL; ulpSqlstmt.errcodeptr = NULL; ulpSqlstmt.isatomic = 0; ulpSqlstmt.stmt = (char *)"SELECT_CUR CURSOR FOR SELECT * FROM DEPARTMENTS"; ulpSqlstmt.iters = 0; ulpSqlstmt.sqlinfo = 0; ulpSqlstmt.scrollcur = 0; ulpSqlstmt.cursorscrollable = 0; ulpSqlstmt.cursorsensitivity = 1; ulpSqlstmt.cursorwithhold = 0; ulpSqlstmt.esqlopts = _esqlopts; ulpSqlstmt.sqlcaerr = &sqlca; ulpSqlstmt.sqlcodeerr = &SQLCODE; ulpSqlstmt.sqlstateerr = ulpGetSqlstate(); ulpDoEmsql(NULL, &ulpSqlstmt, NULL); </pre>
Execution Result	<pre> sqlcode : -1 SQLSTATE : 42000 sqlerrmc : Invalid statement processing request </pre>
Anticipated Result	not print error

- **Symptoms:** An error occurs if a cursor with the name SELECT_CUR is declared with apre.
- **Changes:** NONE
- **Workaround:** Do not include "SELECT_CUR" in a cursor name when declaring one.

- **BUG-40977** A pivot view can be created for a pivot item with a name longer than 40 bytes.
- **Module:** qp-select-pvo
- **Category:** Functionality
- **Reproducibility:** Always
- **Reproducing Conditions:** NONE
- **Symptoms:** A pivot view can be created for a pivot item with a name longer than 40 bytes.
- **Changes:** NONE
- **Workaround:** NONE

