

**ALTIBASE HDB  
6.3.1.4.4  
Patch Notes**

# Table of Contents

● BUG-41182 Improve query performance for databases that do not support LIMIT.	3
● BUG-41211 If _PROWID predicates are connected to an OR node, the query may return invalid data.	3
● BUG-41227 The server may abnormally terminate if a MERGE query contains a select function.	4
● BUG-41234 The GOTO statement defined in a PSM may fail to execute if the server is restarted.	5

● **BUG-41182** Improve query performance for databases that do not support LIMIT.

- Module: qp-select-pvo
- Category: Efficiency
- Reproducibility: Always
- Reproducing Conditions: NONE
- Symptoms: Improve query performance for databases that do not support LIMIT.  

```

0|) select * from ( select * from t1 where i1=1 order by i1 ) where
rownum =1;

```
- Changes: NONE
- Workaround: NONE

● **BUG-41211** If `_PROWID` predicates are connected to an OR node, the query may return invalid data.

- Module: qp
- Category: Functional Error
- Reproducibility: Always
- Reproducing Conditions:

Reproduction	<pre> iSQL&gt; create table t1 (i1 integer); Create success. iSQL&gt; insert into t1 values (1); 1 row inserted. iSQL&gt; iSQL&gt; iSQL&gt; select _prowid from t1; _PROWID ----- 558349942785 1 row selected. iSQL&gt; iSQL&gt; iSQL&gt; iSQL&gt; var a bigint; iSQL&gt; var b bigint; iSQL&gt; exec :a := 558349942785; Execute success. iSQL&gt; exec :b := 558349942785; Execute success. </pre>
Execution Result	<pre> iSQL&gt; prepare select i1 from t1 where _prowid = :a or _prowid = :b; I1 ----- 1 1 2 rows selected. </pre>
Anticipated Result	<pre> iSQL&gt; prepare select i1 from t1 where _prowid = :a or _prowid = :b; I1 ----- 1 1 rows selected. </pre>

- Symptoms: If `_PROWID` predicates are connected to an OR node, the query may return invalid data.
- Changes: NONE
- Workaround: NONE

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- BUG-41227      The server may abnormally terminate if a MERGE query contains a select function.
  - Module:            qp-select-execute
  - Category:          Fatal
  - Reproducibility:   Always
  - Reproducing Conditions: NONE
  - Symptoms:          The server may abnormally terminate if a MERGE query contains a select function.
  - Changes:            NONE
  - Workaround:        NONE
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- **BUG-41234**      The GOTO statement defined in a PSM may fail to execute if the server is restarted.

- **Module:**            qp-psm-trigger-pvo
- **Category:**        Functional Error
- **Reproducibility:** Always
- **Reproducing Conditions:**

Reproduction	<pre> create or replace function subFunc(p1 in integer) return integer as begin   if p1 = 1 then     return 1;   else     return 0;   end if; end;; /  create or replace function mainFunc return integer as   pp1 integer;   ret integer; begin   pp1 := 0; &lt;&gt;   ret := func1(pp1);   if ret = 0 then     pp1 := 1;     goto LRETRY;   end if;   return ret; end;; /  var a integer; exec :a := mainFunc; print a;  -- // Restart the server  var a integer; exec :a := mainFunc; print a; </pre>									
Execution Result	[ERR-31158 : Not all controls of the MAINFUNC function return a value.]									
Anticipated Result	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">NAME</th> <th style="text-align: left;">TYPE</th> <th style="text-align: left;">VALUE</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="border-top: 1px dashed black;">-----</td> </tr> <tr> <td>A</td> <td>INTEGER</td> <td>1</td> </tr> </tbody> </table>	NAME	TYPE	VALUE	-----			A	INTEGER	1
NAME	TYPE	VALUE								
-----										
A	INTEGER	1								

- **Symptoms:**      The GOTO statement defined in a PSM may fail to execute if the server is restarted.
- **Changes:**        NONE
- **Workaround:**    NONE