Altibase 7.1.0.9.9 Patch Notes

New Features

BUG-47423 Improve APRE to support RETURNING INTO clause.

- **module** : mm-apre
- **Category** : Functionality
- **Reproducibility** : Always
- **Description** : Altibase improved APRE to support RETURNING INTO clause.
- **How to reproduce this bug**
  - **Reproduction conditions**
  - **Actual Results**
  - **Expected Results**
- **Workaround**
- **Changes**
  - Performance view
  - Property
  - Compile Option
  - Error Code

Fixed Bugs

BUG-50949 When a comment in the aku configuration file has no text after '#', an error occurs.

- **module** : aku
- **Category** : Enhancement
- **Reproducibility** : Always
- **Description** : Altibase resolved the issue where an error occurred when a comment in the aku configuration file (aku.conf) had no text after the '#'.
- **How to reproduce this bug**
  - **Reproduction conditions**
  - **Actual Results**
  - **Expected Results**
- **Workaround**
- **Changes**
  - Performance view
  - Property
  - Compile Option
  - Error Code

BUG-50997 A results error can occur under certain conditions when using an aggregate function in a subquery that references an outer query.

- **module** : qp
- **Category** : Functional Error
- **Reproducibility** : Always
- **Description** : Altibase fixed an issue where a results error occurred under specific conditions when using an aggregate function in a subquery that references an outer query.

  This bug only occurred when all of the following conditions were met:

  1. An `OR` operator is used within the conditions of an `AND` operation.
  2. The condition in the `OR` operator contains a subquery that references the outer query.
  3. The subquery mentioned in 2. uses an aggregate function.

- **How to reproduce this bug**
  - **Reproduction conditions**

```
drop table T1;
drop table T2;

create table T1
(
```

```
 REV integer,
 REVTYPE smallint,
 id integer
);

insert into T1 values(7,              7,          0);
insert into T1 values(6,              5,          2);
insert into T1 values(5,              6,          1);

create table T2
(
 REV integer ,
 REVTYPE smallint,
 id integer
);

insert into T2 values(15,         3,      2);
insert into T2 values(17,         1,      0);
insert into T2 values(10,         3,      1);

select A.id
from T1 A, T2 B
where
   A.id = B.id
  and
(
    (B.REV = (select min(BB.REV) from T2 BB where BB.REV < 23 and B.id =
BB.id )
       and
       A.REV = (select (AA.REV) from T1 AA where AA.REV < 23 and A.id =
AA.id)
    )
  or  (
     A.REVTYPE = 2
       and B.REVTYPE <= 2
        )
);
```

- **Actual Results**

```
ID
--------------
1
1 row selected.
```

- **Expected Results**

```
ID
--------------
0
2
1
3 rows selected.
```

- **Workaround**

- **Changes**
  - Performance view
  - Property
  - Compile Option
  - Error Code

BUG-51004 A "Function sequence error" may occur if the type or pointer of the variable bound to altibase_stmt_bind_param changes.

- **module** : ux-cdbc
- **Category** : Functional Error
- **Reproducibility** : Always
- **Description** : Altibase fixed the issue to prevent a "Function sequence error" when the type or pointer of the variable bound to altibase_stmt_bind_param changes.
- **How to reproduce this bug**
  - **Reproduction conditions**

    ```
    altibase_stmt_prepare (select ... )
    altibase_stmt_bind_param(sStmt, sBind1)
    altibase_stmt_execute
    altibase_stmt_free_result
    altibase_stmt_bind_param(sStmt, sBind2)
    altibase_stmt_execute
    ```

  - **Actual Results**

    ```
    altibase_stmt_prepare (select ... )
    altibase_stmt_bind_param(sStmt, sBind1)
    altibase_stmt_execute
    altibase_stmt_free_result
    altibase_stmt_bind_param(sStmt, sBind2)  -> Function sequence error
    altibase_stmt_execute
    ```

  - **Expected Results**

    ```
    altibase_stmt_prepare (select ... )
    altibase_stmt_bind_param(sStmt, sBind1)
    altibase_stmt_execute
    altibase_stmt_free_result
    altibase_stmt_bind_param(sStmt, sBind2)  -> Success
    altibase_stmt_execute
    ```

- **Workaround**
- **Changes**
  - Performance view
  - Property

- Compile Option
- Error Code

- Compile Option
- Error Code

Changes

Version Info

altibase version	database binary version	meta version	cm protocol version	replication protocol version
7.1.0.9.9	6.5.1	8.11.1	7.1.7	7.4.7

> You can check the module version change history in [Version Histories](#).

Compatibility

Database binary version

The database binary version has not changed.

> The database binary version indicates the compatibility of database image files and log files. If this version needs to be patched to a different version, the database must be reorganized.

Meta Version

The meta version has not changed.

> If you want to roll back the patch after patching to a version with a changed meta version, see [Meta Downgrade](#).

CM protocol Version

The cm protocol version has not changed.

Replication protocol Version

The replication protocol version has not changed.

Altibase Server Properties

Added Properties

Changed Properties

Deleted Properties

Performance Views

Added Performance Views

Changed Performance Views

Deleted Performance Views