Altibase 7.1.0.5.8 Patch Notes

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New Features

BUG-47815 Fixes incorrect setting of trace logging level related to query processing (QP) module and adds logging level related to task scheduler execution.

- **module** : qp-psm-trigger-execute

- **Category** : Maintainability

- **Reproducibility** : Always

- **Description** : Fixes incorrect setting of trace logging level related to query processing (QP) module and adds logging level related to task scheduler execution. The added logging level can be found in V$TRACELOG.

- **How to reproduce this bug**

    - **Reproduction conditions**
    - **Actual Results**
    - **Expected Results**
- **Workaround**

- **Changes**

    - Performance view

        - V$TRACELOG

            Add TRCLEVEL 3 Job Scheduler Trace Log and TRCLEVEL 4 DCL Trace Log related to query processing.

```
iSQL> SELECT MODULE_NAME, TRCLEVEL, FLAG, POWLEVEL, DESCRIPTION FROM
V$TRACELOG WHERE MODULE_NAME = 'QP';
MODULE_NAME                   TRCLEVEL      FLAG
POWLEVEL          DESCRIPTION
-----------------------------------------------------------------------
-------------------------------------------------
QP                                1          X                        1
                 PSM Error Line Trace Log
QP                                2          O                        2
                 DDL Trace Log
QP                                3          X                        4
                 Job Scheduler Trace Log
QP                                4          X                        8
                 DCL Trace Log
QP                                5          X                       16
                 ---
QP                                6          X                       32
                 ---
...
QP                               31          X
 1073741824            ---
QP                               32          X
 2147483648          Debug
QP                               99          SUM                      2
                 Total Sum of Trace Log Va
```

```
                        lues
33 rows selected.
```

- Property
- Compile Option
- Error Code

BUG-49108 Add altibase_job.log for job scheduler execution record.

- **module** : qp

- **Category** : Enhancement

- **Reproducibility** : Always

- **Description** : Add altibase_job.log for job scheduler execution record.

  The creation location is $ALTIBASE_HOME/trc (default setting of SERVER_MSGLOG_DIR property). The following properties have been added to separate trace logs related to the task scheduler.

  - JOB_MSGLOG_FILE
  - JOB_MSGLOG_SIZE
  - JOB_MSGLOG_COUNT
  - JOB_MSGLOG_FLAG

  For the description of the property, please refer to the property section.

- **How to reproduce this bug**

  - **Reproduction conditions**
  - **Actual Results**
  - **Expected Results**

- **Workaround**

- **Changes**

  - Performance view

    - V$TRACELOG

      Add task scheduler related log level.

```
iSQL> SELECT MODULE_NAME, TRCLEVEL, FLAG, POWLEVEL, DESCRIPTION FROM
V$TRACELOG WHERE MODULE_NAME = 'JOB';
MODULE_NAME                 TRCLEVEL     FLAG
POWLEVEL          DESCRIPTION
-----------------------------------------------------------------------
----------------------------------------------------
JOB                              1         O                      1
                JOB Trace Log
JOB                              2         X                      2
                ---
JOB                              3         X                      4
                ---
...
JOB                             31         X
 1073741824          ---
JOB                             32         X
 2147483648          Debug
JOB                             99         SUM                    1
                Total Sum of Trace Log Va


                lues
33 rows selected.
```

- Property
    - **Add JOB_MSGLOG_FILE**
        - Description

          This is a file that records job scheduler execution logs.
        - Default Value

          altibase_job.log
        - Attributes

          Read-Only, Single Value
    - **Add JOB_MSGLOG_SIZE**
        - Description

          Specifies the maximum size of the job scheduler trace log file. The range of values is [0, $2^{32}-1$].
        - Default Value

          10 * 1024 * 1024
        - Attributes

          Read-Only, Single Value
    - **Add JOB_MSGLOG_COUNT**
        - Description

          Specifies the maximum number of Task Scheduler trace log files. The range of values is [0, $2^{32}-1$].
        - Default Value

          10

- Attributes

  Read-Only, Single Value

- **Add JOB_MSGLOG_FLAG**

  - Description

    Set Job Scheduler execution record settings and log level. The value of this property is a combination of V$TRACELOG and POWLEVEL. In the example below, TRCLEVEL 1 JOB Trace Log is set. Whether or not it is set can be checked with the FLAG value. Other than TRCLEVEL 1 JOB Trace Log and TRCLEVEL 32 Debug, other TRCLEVELs are undefined.

    ```
    iSQL> SELECT MODULE_NAME, TRCLEVEL, FLAG, POWLEVEL, DESCRIPTION
    FROM V$TRACELOG WHERE MODULE_NAME = 'JOB';
    MODULE_NAME                    TRCLEVEL     FLAG
      POWLEVEL              DESCRIPTION
    ------------------------------------------------------------------
    ------------------------------------------------------
    JOB                              1          O
       1                   JOB Trace Log
    JOB                              2          X
       2                   ---
    JOB                              3          X
       4                   ---
    ...중략...
    JOB                             31          X
      1073741824           ---
    JOB                             32          X
      2147483648           Debug
    JOB                             99          SUM
       1                   Total Sum of Trace Log Va

                           lues
    33 rows selected.
    ```

  - Default Value

    1

  - Attributes

    Read-Write, Single Value

  - Compile Option

  - Error Code

Fixed Bugs

BUG-49122 If the PUBLIC role is deleted, a segmentaion failure error occurs when aexport is executed.

- **module** : ux-aexport

- **Category** : Fatal

- **Reproducibility** : Always

- **Description** : Fixed a bug where a segmentaion fault error occurs when performing aexport when the PUBLIC role is deleted.

- **How to reproduce this bug**

  - **Reproduction conditions**
  - **Actual Results**
  - **Expected Results**
- **Workaround**

- **Changes**

  - Performance view
  - Property
  - Compile Option
  - Error Code

BUG-49136 Altibase server abnormally terminates when executing an INSERT statement for a view created using UNION ALL.

- **module** : qp

- **Category** : Fatal

- **Reproducibility** : Always

- **Description** : Fixed a bug where the Altibase server abnormally terminated when an INSERT statement was executed for a view created using UNION ALL.

- **How to reproduce this bug**

  - **Reproduction conditions**

    ```
    CREATE TABLE T2 (I1 INTEGER PRIMARY KEY);
    CREATE VIEW V2 AS SELECT * FROM T2 UNION ALL SELECT * FROM T2;
    INSERT INTO V2(I1,I2) VALUES (12, 12);
    ```

  - **Actual Results**

    ```
    ERR-31455 : Failed to work because an internal exception occurred from
    an OS.[Contact Altibase's Support Center] error occurred or the Altibase
    server abnormally terminated.
    ```

  - **Expected Results**

```
[ERR-313A4 : Cannot modify a column for a non key-preserved table]
```

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

Changes

Version Info

altibase version	database binary version	meta version	cm protocol version	replication protocol version
7.1.0.5.8	6.5.1	8.9.1	7.1.7	7.4.6

> 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

- JOB_MSGLOG_FILE
- JOB_MSGLOG_SIZE
- JOB_MSGLOG_COUNT
- JOB_MSGLOG_FLAG

Changed properties

Deleted properties

Performance Views

Added performance views

Changed performance views

- V$TRACELOG

Deleted performance views