**FLEXCUBE CORPORATE**

11.4

**Specifications and Installation Document**

Status: Final

Version 1.0

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Document Control

|  |  |
| --- | --- |
| Filename: purging\_schedule\_releasenote.docx | Creation Date: 01/25/2017 |
| Author: Ong Randy Pratama Joeandy | Last Saved By: Ong Randy Pratama Joeandy |
| Group: Banking Products Division | Last Saved On: 6/1/2022 8:53:02 PM |
| Revision: 1.0 |  |

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# Problem Description

History and Log tables are growing with data over a period of time and need to be purged periodically to get free space and performance gain. Bank wants to retain 1 year old data only in History and Log tables.

# Simulation Steps

NA

# Fix Specifications

### File Name

* WEEKLY
  1. CL
     + CL\_purging.sql
  2. IC
     + job.sql
     + monitor\_IC\_purging.sql
     + kill\_job.sql
  3. MS
     + ms\_purge.sql
  4. SW
     + sw\_purge.sql
     + swtb\_txn\_hist\_purge.sql
* MONTHLY
  1. DE
     + detb\_upload\_detail\_history\_purge.sql
  2. FB
     + fbtb\_txnlog\_details\_hist\_purge.sql
     + fbtb\_txnlog\_master\_hist\_purge.sql
  3. GW
     + gwtb\_msg\_in\_history\_purge.sql
     + gw\_archive\_stub.sql
     + gwtb\_msg\_out\_history.sql
  4. IC
     + ictb\_problem\_log\_purge.sql
  5. MS
     + ms\_archive\_stub.sql
  6. SMST
     + purging\_SM\_ST\_tables.sql

### Root Cause

NA

### Fix Description

Details of history/log table to be purged , schedule, retention and the backup table name:

|  |  |  |  |
| --- | --- | --- | --- |
| TABLE\_NAME | REC. SCHEDULE | RETENTION | BKP TABLE |
| ICTB\_PROBLEM\_LOG | MONTHLY | 1 year | ICTB\_PROBLEM\_LOG\_ARCH |
| MSTB\_ARCHIVE\_OUT | MONTHLY | 1 year | MSAR\_ARCHIVE\_OUT |
| GWTB\_INCOMING\_LOG | MONTHLY | 1 year | gwth\_incoming\_log |
| GWTB\_OUTGOING\_LOG | MONTHLY | 1 year | gwth\_outgoing\_log |
| CLTB\_ACCOUNT\_SCHEDULES\_HISTORY | WEEKLY/DAILY | 1 year | CLTB\_ACCOUNT\_SCHED\_HIST\_ARCH |
| CLTB\_COMP\_CALC\_HISTORY | WEEKLY/DAILY | 1 year | CLTB\_COMP\_CALC\_HIST\_ARCH |
| CLTB\_COMP\_BALANCES\_HISTORY | WEEKLY/DAILY | 1 year | CLTB\_COMP\_BALANCES\_HIST\_ARCH |
| SWTB\_TXN\_LOG | WEEKLY | 1 day | SWTB\_TXN\_HIST |
| SWTB\_TXN\_HIST | WEEKLY/DAILY | 1 year | N/A |
| GWTB\_MSG\_OUT\_HISTORY | MONTHLY | 1 year | N/A |
| MSTB\_DLY\_MSG\_OUT | WEEKLY | 1 year | MSTB\_ARCHIVE\_OUT |
| ICTB\_ENTRIES\_HISTORY | WEEKLY | 1 year | ictb\_entries\_history\_archive |
| DETB\_UPLOAD\_DETAIL\_HISTORY | MONTHLY | 1 year | DETB\_UPLOAD\_DETAIL\_HIST\_ARCH |
| FBTB\_TXNLOG\_DETAILS\_HIST | MONTHLY | 1 year | FBTB\_TXNLOG\_DETAILS\_HIST\_ ARCH |
| FBTB\_TXNLOG\_MASTER\_HIST | MONTHLY | 1 year | FBTB\_TXNLOG\_MASTER\_HIST\_ ARCH |
| GWTB\_MSG\_IN\_HISTORY | MONTHLY | 1 year | GWTB\_MSG\_IN\_HIST\_ ARCH |
| SMTB\_SMS\_ACTION\_LOG | MONTHLY | 0 | SMTB\_SMS\_ACTION\_LOG\_$DATE |
| STTB\_FIELD\_LOG\_HIST | MONTHLY | 0 | STTB\_FIELD\_LOG\_HIST\_$DATE |

# Precautionary Steps

* Test the solution in UAT/FUT environment before implementing it in production.

# Impact Analysis

NA

# Installation Order

* **Database end (NOTE:** use *CheckFRA.sql* to verify +RECOVERY < 70%**)**
* **WEEKLY**

1. **CL**
2. Run “CL\_purging.sql” to purge data in CLTB history tables.
3. **IC**
4. Run “job.sql” to create purging job for ICTB\_ENTRIES\_HISTORY table.
5. Run “monitor\_IC\_purging.sql” to monitor purging job.

Expected result:

PMODE COUNT(\*)

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ZERO\_ACCR 563

ACCR 563

IC\_LIQN 563

TD\_CLOSE 563

1. **MS**
   1. Run “ms\_purge.sql” to purge data in MSTB\_DLY\_MSG\_OUT table.
2. **SW**
   1. Run “sw\_purge.sql” to purge data in SWTB\_TXN\_LOG table.
   2. Run “swtb\_txn\_hist\_purge.sql” to purge data in SWTB\_TXN\_HIST table.

* **MONTHLY**

1. **DE**
2. Run “detb\_upload\_detail\_history\_purge.sql” to purge data in DETB\_UPLOAD\_DETAIL\_HISTORY table.
3. **FB**

* **FBTB\_TXNLOG\_DETAILS\_HIST**

1. Run “fbtb\_txnlog\_details\_hist\_purge.sql” ” to purge data in FBTB\_TXNLOG\_DETAILS\_HIST table.

* **FBTB\_TXNLOG\_MASTER\_HIST**

1. Run “fbtb\_txnlog\_master\_hist\_purge.sql” to purge data in FBTB\_TXNLOG\_MASTER\_HIST table.
2. **GW**

* **GWTB\_MSG\_IN\_HISTORY**

1. Run “gwtb\_msg\_in\_history\_purge.sql” to purge data in GWTB\_MSG\_IN\_HISTORY table.

* **GWTB\_MSG\_OUT\_HISTORY**

1. Run “gwtb\_msg\_out\_history.sql” to purge data in GWTB\_MSG\_OUT\_HISTORY table.

* **GWTB\_INCOMING\_LOG & GWTB\_OUTGOING\_LOG**

1. Run “gw\_archive\_stub.sql” to purge data in GWTB\_INCOMING\_LOG & GWTB\_OUTGOING\_LOG table.
2. **IC**
3. Run “ictb\_problem\_log\_purge.sql” to purge data in ICTB\_PROBLEM\_LOG table.
4. **MS**
5. Run “ms\_archive\_stub.sql” to purge data in MSTB\_ARCHIVE\_OUT table.
6. **SMST**
7. Run “purging\_SM\_ST\_tables.sql” to purge data in SMTB\_SMS\_ACTION\_LOG & STTB\_FIELD\_LOG\_HIST.

* **Application Server**

NA

# Testing Conditions

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Condition** | | **Expected Result** |
| a) | | * Execute the scripts mentioned in Installation order | Pre fix scenario  History and Log tables grows over a period of time, thus occupying more database space  Post FIX scenario  History and Log tables contain less data, thus occupies less amount of database space |