

Entity Relationship Diagram - OLTP

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Events

event_runArchiveETL

Calls the sp_runArchiveETL stored procedure once a week (2AM on Sundays).

```
CREATE EVENT event_runArchiveETL
ON SCHEDULE EVERY 1 WEEK STARTS '2011-11-13 08:00:00'
DO CALL sp_runArchiveETL();
```

Stored Procedures

sp_archiveInboxItems

The sp_archiveInboxItems is responsible for copying any data older than daysToKeep to the inbox_items_archive table and then deleting those records from the inbox_items table (in batches).

Parameters

Name	Data Type	Type	Description
daysToKeep	int unsigned	IN	The number of days to keep in the inbox_items table.

Table Dependencies

Read

Database	Table	Description
oltp	inbox_items	The inbox_items table is the one we are copying records out of and deleting them.

Write

Table	Description
inbox_items_archive	Any records that are deleted from the inbox_items table are first copied to the inbox_items_archive table.

inbox_items	Any records older than midnight daysToKeep ago are copied to the inbox_items_archive table and deleted from the inbox_items table. The records are deleted in batches of 1000 with a one second sleep (which means this portion of the ETL runs in approx 1 hour).
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Results

Column	Description
@daysToKeepAgoMidnight := unix_timestamp(date(from_unixtime(unix_timestamp()) - 60*60*24*daysToKeep)))	The timestamp that is calculated based on the passed in daysToKeep.

sp_runArchiveETL

The sp_runArchiveETL is the entry point for the archive ETL. The procedure at this point is responsible for running the sp_archiveInboxItems(100) procedure and running sp_logPurge(6) procedure.

Parameters

None

Table Dependencies

No direct dependencies

Results

None