

Release Automation Database Purging - MySQL

Overview

The scripts included in the supplied zip file provide a mechanism to purge data from the Release Automation database. The scripts create stored procedures for purging 2 types of data:

- Offline Execution Job data (sp_purge_execution_jobs-mysql.sql)
- Audit data (sp_purge_audit_tables-mysql.sql)

It is recommended that the stored procedures be executed during off hours via scheduled events. The two stored procedures can be executed concurrently in different database sessions. However, do not execute the same stored procedure more than once simultaneously.

The purging scripts are valid for Release Automation database schema versions 4.7.1 through 6.0.

Purging Offline Execution Jobs

The script “sp_purge_execution_jobs-mysql.sql” can be used to create a stored procedure for purging offline execution jobs and their associated records one day at a time starting from the oldest records.

Data is purged from following tables:

- offline_distribution_events
- offline_exec_param_links
- offline_exec_servers
- offline_flow_events
- offline_manual_operations
- offline_parameter_requests
- offline_parameters
- offline_propagation_events
- offline_step_events
- offline_steps
- offline_user_events
- offline_execution_jobs

Parameters:

- **retention_days:** Number of days to retain execution job records. Default is 90 days.
- **time_limit:** Number of seconds after which no additional SQL command is executed. The procedure will stop when the time limit is reached and the last command (started before the time limit) is complete. The default is no time limit.
- **time_delay:** Number of seconds to delay between each delete command. The default is null, no delay.

- **delete_chunk_size:** Maximum number of rows to delete per command. The default is 10,000 rows.

Example:

The following example purges jobs older than 120 days, with a time limit so that no command is executed after 3600 seconds (1 hour).

```
mysql> call sp_purge_execution_jobs(120, 3600, null, 10000);
```

Note: When using this purge procedure on large databases the number of days purged within the time period will vary depending on the amount of jobs and events.

Purging Audit Records

The script “sp_purge_audit” can be used to create a stored procedure for purging audit records.

Data is purged from the following tables:

- all tables with _aud suffix (excluding: health_record_aud, health_round_samples_aud, health_sample_aud, health_threshold_aud, and published_flow_aud)
- auditingentry
- revision_auditingentry

Parameters:

- **time_limit:** Number of seconds after which no additional SQL command is executed. The procedure will stop when the time limit is reached and the last command (started before the time limit) is complete. The default is no time limit.
- **time_delay:** Number of seconds to delay between each delete command. The default is null, no delay.
- **delete_chunk_size:** Maximum number of rows to delete per command. The default is 10,000 rows.

Example:

The following example purges audit records with a time limit so that no command is executed after 3600 seconds (1 hour).

```
mysql> call sp_purge_audit(3600, null, 10000);
```