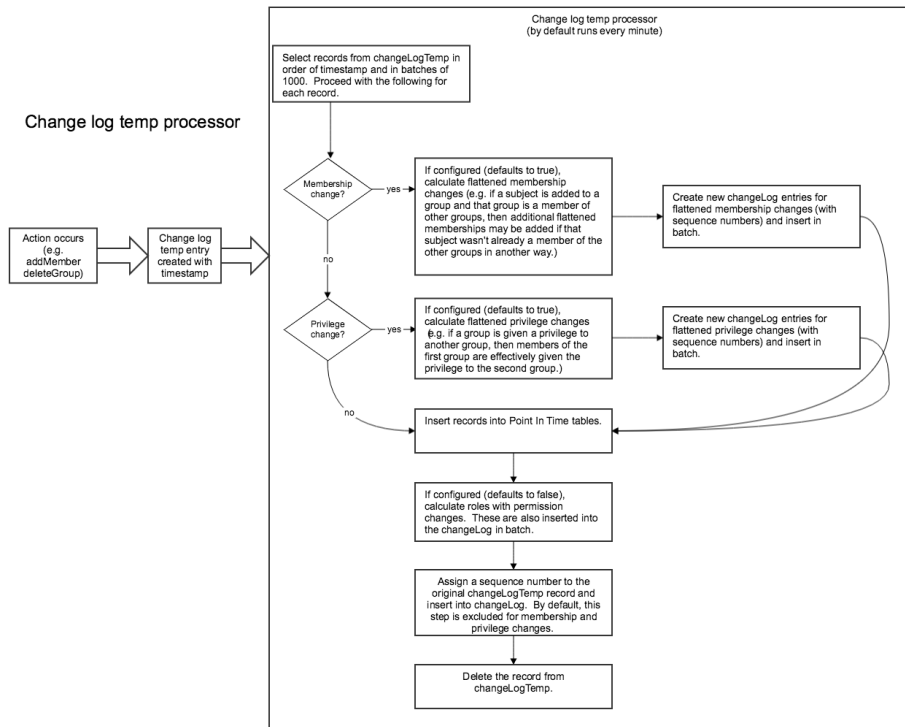


Grouper Changelog

Grouper changes cause change log temp entries, these get processed, and then are pumped to change log consumers. The first process is the change log temp processor



In v4.11.0+ and v5.8.0+ The change log consumer run continuously looking for new work. The composite processor will make sure composite changes are made (and not in a transaction with the change that edited the composite or other membership). In order to see progress show subjobs on the daemon screen

Daemon logs

Filter for:

CHANGE_LOG_changeLogTempToChangeLog

Start time between:

yyyy-mm-dd hh:mi:ss

yyyy-mm-dd hh:mi:ss

End time between:

yyyy-mm-dd hh:mi:ss

yyyy-mm-dd hh:mi:ss

Last updated between:

yyyy-mm-dd hh:mi:ss

yyyy-mm-dd hh:mi:ss

Subjobs:

☒ Show subjobs

Status:

☐ Success ☐ Error ☐ Started ☐ Running ☐ Warning ☐ Config error ☐ Subject problems

Number of rows:

400

Apply filter

Reset

400 logs found for job name: CHANGE_LOG_changeLogTempToChangeLog

| Status | Loaded group | Job type | Start time | End time | Millis | Millis get data | Millis load data | Total count | Add count | Update count | Delete count | Un co |
|---------|--------------|----------|-----------------------|-----------------------|--------|-----------------|------------------|-------------|-----------|--------------|--------------|-------|
| Started | N/A | subjob | 2024-02-27 23:09:19.0 | | | | | 0 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:08:18.0 | 2024-02-27 23:09:19.0 | 60421 | | | 0 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:07:18.0 | 2024-02-27 23:08:18.0 | 60352 | | | 0 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:06:18.0 | 2024-02-27 23:07:18.0 | 60268 | | | 1 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:05:17.0 | 2024-02-27 23:06:18.0 | 60491 | | | 5 | 0 | 0 | 0 | 0 |
| Started | N/A | overall | 2024-02-27 23:04:17.0 | | | | | 0 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:04:17.0 | 2024-02-27 23:05:17.0 | 60284 | | | 0 | 0 | 0 | 0 | 0 |

Here is the composite daemon with subjobs

Daemon logs

Filter for: CHANGE_LOG_consumer_compositeMemberships

Start time between:

End time between:

Last updated between:

Subjobs: ☒ Show subjobs

Status: ☐ Success ☐ Error ☐ Started ☐ Running ☐ Warning ☐ Config error ☐ Subject problems

Number of rows:

Apply filter

Reset

7 logs found for job name: CHANGE_LOG_consumer_compositeMemberships

| Status | Loaded group | Job type | Start time | End time | Millis | Millis get data | Millis load data | Total count | Add count | Update count | Delete count | Unr cou |
|---------|--------------|----------|-----------------------|-----------------------|--------|-----------------|------------------|-------------|-----------|--------------|--------------|---------|
| Started | N/A | subjob | 2024-02-27 23:10:02.0 | | | | | 0 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:09:01.0 | 2024-02-27 23:10:02.0 | 60485 | | | 0 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:08:01.0 | 2024-02-27 23:09:01.0 | 60287 | | | 0 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:07:01.0 | 2024-02-27 23:08:01.0 | 60428 | | | 0 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:06:00.0 | 2024-02-27 23:07:01.0 | 60346 | | | 2 | 1 | 0 | 0 | 0 |
| Started | N/A | overall | 2024-02-27 23:05:00.0 | | | | | 0 | 0 | 0 | 0 | 0 |
| Success | N/A | subjob | 2024-02-27 23:05:00.0 | 2024-02-27 23:06:00.0 | 60362 | | | 4 | 0 | 0 | 1 | 0 |

Note you will see these in a constant running state which is normal

All daemon jobs

Filter for:




Job name

Common filters

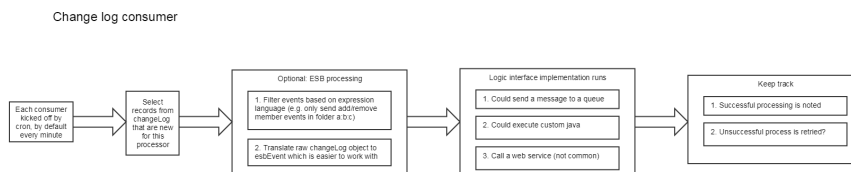
☐ Show extended results?☐ Show only errors?

Apply filter

Reset

| Job name | State | Overall status | Last run status | Actions |
|--|-----------------------|----------------|-----------------|---|
| CHANGE_LOG_changeLogTempToChangeLog | RUNNING 37 seconds | SUCCESS | ERROR |  |
| CHANGE_LOG_consumer_compositeMemberships | RUNNING 37 seconds | SUCCESS | ERROR |  |
| CHANGE_LOG_consumer_groupnerAttestationIncremental | FINISHED | SUCCESS | SUCCESS |  |

This is the second process...



Breakdown of time used to process 1000 consecutive temp change log entries (first process) for membership adds to the same group:

- 3.2% - starting, stopping, committing overall transactions
- 8% - deleting from temp change log
- 10% - querying member in point in time
- 10% - verifying membership doesn't already exist in point in time
- 1.5% - querying group in point in time
- 1.5% - querying field in point in time
- 7.3% - checking if membership is being re-enabled (was previously disabled)
- 15.4% - finding flattened memberships
- 14.8% - saving change log entries
- 12.5% - other overhead with writing flattened memberships in change log (e.g. querying data to put in the change log)
- 11% - saving point in time memberships