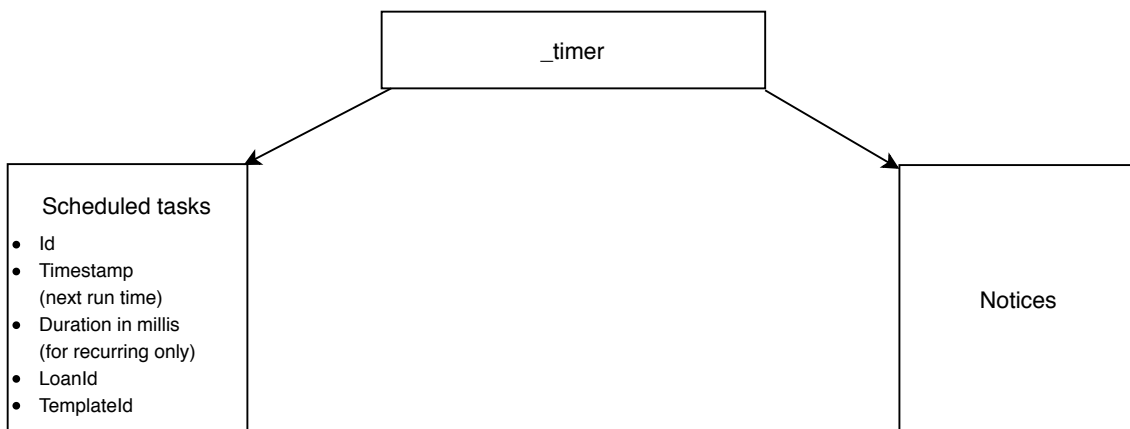


## On loan creation process

1. Create separate table in DB (mod-circulation-storage) to store scheduled tasks for loan time-based notices
2. Each task contains information about next run time, duration interval
3. Notice processing is based on Scheduled Tasks table, each run takes all tasks with Timestamp in the past
4. For recurring tasks next run time will be recalculated based on duration
5. One time tasks should be deleted after processing

## Tasks processing



Processing of tasks steps:

1. Get all tasks from Tasks table with timestamp in the past
2. Process tasks
3. Update recurring tasks or clean one-time tasks

## Executable Tasks update

1. Loan Due date change: remove all tasks for particular loan and create new tasks based on new dueDate value
- Sync process