

Billing Workflow Account Retrieval

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Status: Accepted

Context

In order to process the outstanding amounts of our Customers, we will need to retrieve all the relevant information required for billing. For future extension, this process should be kept modular, as in the future different Accounts might have different intervals in which they will be billed.

Decision

We split this process into two steps: First the AccountIds will be retrieved, who are due for billing and then in a second step, the relevant information is retrieved for each Customer.

Consequences

We have the benefit of future reuse of the routes, which Accounts are due for billing i.e. for promotional events for new plans to switch to before the next billing cycle.

Additionally we have the ease of iterating over the list of AccountIds with the help of the Camunda Engine, which allows for easier iteration, as if the full objects were already used for iteration.

This does require two routes to be implemented, as well as error handling for potential errors, that can happen in both requests. An additional factor here is the latency, which needs to be considered, but can be neglected, as the additional time will marginally decrease with the number of accounts as the second request can be done in parallel by all instances at the same. This might result in better performance, as retrieving a very large payload in a single query.