Hi André,

I am proposing a mechanism which is fully generic to publish reports in Calleebree Desk, so that no frontend nor backend development is needed to add reports. This also allows us to make more business friendly reports, not to mention that export time is drastically reduced compared to the existing query 😉

Concept:

* I created a “reports” schema for that purpose, so that it doesn’t mess with the core
* I created a “public\_reports” table that define which reports shall be exposed and to whom
* To avoid removing entries, I also included an “enabled” flag
* All reports always contain necessary context attributes, so that any query is ALWAYS filtered based on the role and query context: sponsor\_id / brand\_id / partner\_id / team\_id / campaign\_id (possibly file\_id)
* All reports also contain a set of attributes that are normalized to allow easy and consistent / dynamic / interactive filtering by users: various date parameters / various model attributes

Question

* In general, what do you think? I guess you would mostly need 2 generic endpoints
  + One that list available reports for a given role
  + One that returns the data filtered on the context (sponsor/brand/partner/team/campaign/….)
* What would be the best way in you opinion to manage the roles: different flags, one for each role? A json? Something else?

See below a draft.

Does that make sense? Any feedback? Comments? Improvements? Questions?

Yann

**create** **table** reports.public\_reports (

       id uuid **default** gen\_random\_uuid () **primary** **key**,

       --

       source\_schema **varchar**(255),

       source\_table **varchar**(255),

**name** **varchar**(255) **unique**,                                                        -- Report name to be displayed in the frontend

       description **varchar**,                                                                    -- Report description to be displayed in the frontend

       ranking **int**,                                                                             -- Rank of the report in the list of available reports

       aggregated **boolean** **default** **false**,

       permissions **varchar**, -- How does Twistag prefer to get the data? Individual flags? Or json?

--     graph\_config varchar, -- Shall we provide here, together with the report, a display configuration for the graph? In json? Does this depend on the framework used?

       --

       enabled **boolean** **default** **true**,

       created\_date **timestamp** **default** **current\_timestamp**,

       -- Constraints

**unique** (source\_schema, source\_table)

);

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**insert** **into** reports.public\_reports (source\_schema, source\_table, **name**, description, ranking, aggregated, permissions) **values**

       ( 'reports', 'summary\_call\_attempts',         '[Overview] Call Attempts & Reachability',                     'Overview of calls and call outcome aggregated per day/week/month/... and team/partner/brand/...', 100, **true**, '{admin=true, sponsor=true, brand=true, partner=true, team=true}' ),

       ( 'reports', 'summary\_call\_costs',                   '[Overview] Call Costs',                                           'Overview of call types & call costs aggregated per day/week/month/... and team/partner/brand/...', 200, **true**, '{admin=true, sponsor=true}' ),

       ( 'reports', 'details\_call\_cost\_expensive',   '[Raw Data] Call details (expensive calls \*only\*)',    'Raw data exports with call type & call cost information for expensive calls', 900, **false**, '{admin=true, sponsor=true}' )

;