<https://gemini.google.com/u/1/app/0e3ccfac5f6b71bb>

SQL

```

CREATE OR REPLACE VIEW public.event\_details\_enriched\_view AS

SELECT

ed.waypoint\_id,

-- Core Waypoint Information (example fields from waypoints, assuming these exist)

wp.default\_name AS waypoint\_default\_name, -- Assuming 'default\_name' on waypoints is the primary language name

wp.latitude AS waypoint\_latitude,

wp.longitude AS waypoint\_longitude,

csm\_wp.code AS waypoint\_visibility\_status\_code, -- Code for 'published', 'draft', etc.

-- Event Details (from events\_details and joined master tables)

ed.default\_event\_name\_official,

etm.default\_name AS event\_type\_name,

etm.code AS event\_type\_code,

etm.icon\_identifier AS event\_type\_icon\_identifier,

ed.event\_theme\_or\_focus\_tag\_ids, -- Application layer can resolve these IDs to names from tags\_master

ed.default\_description\_long,

ed.start\_datetime,

ed.end\_datetime,

ed.is\_recurring\_event,

erfm.default\_name AS recurrence\_frequency\_name,

erfm.code AS recurrence\_frequency\_code,

ed.default\_recurrence\_detail\_text,

edclm.default\_name AS date\_certainty\_level\_name,

edclm.code AS date\_certainty\_level\_code,

edclm.default\_advice AS date\_certainty\_level\_advice,

ed.exception\_dates,

ed.default\_specific\_next\_occurrence\_dates\_text,

ed.default\_organizer\_name,

ed.event\_website\_or\_social\_media\_url,

ed.contact\_phone\_event,

ed.contact\_email\_event,

ed.default\_entry\_fee\_or\_ticket\_info,

ed.default\_location\_details\_within\_waypoint,

easm.default\_name AS attendance\_scale\_name,

easm.code AS attendance\_scale\_code,

easm.approximate\_range AS attendance\_scale\_approximate\_range,

ed.default\_impact\_on\_accommodation\_notes,

ed.default\_impact\_on\_trail\_access\_notes,

ed.default\_impact\_on\_local\_services\_notes,

ed.default\_general\_impact\_notes\_for\_pilgrims,

ed.default\_pilgrim\_participation\_info,

-- Related Attraction (if any)

ed.related\_attraction\_waypoint\_id,

related\_wp.default\_name AS related\_attraction\_waypoint\_name, -- Name of the related waypoint

-- Data Verification

ed.data\_last\_verified\_at,

verifier\_profile.public\_display\_name AS data\_verified\_by\_user\_display\_name,

-- Audit Timestamps for Event Details record itself

ed.created\_at AS event\_detail\_created\_at,

ed.updated\_at AS event\_detail\_updated\_at,

ed.deleted\_at AS event\_detail\_deleted\_at, -- Included for completeness, though view filters it out by default

-- Audit User Information (Display Names)

creator\_profile.public\_display\_name AS created\_by\_user\_display\_name,

updater\_profile.public\_display\_name AS updated\_by\_user\_display\_name,

-- Raw Foreign Keys for further lookups if needed by application

ed.event\_type\_id,

ed.recurrence\_frequency\_id,

ed.future\_date\_estimation\_level\_id,

ed.expected\_attendance\_scale\_id,

ed.created\_by\_profile\_id,

ed.updated\_by\_profile\_id,

ed.data\_verified\_by\_profile\_id

FROM

public.events\_details ed

JOIN

public.waypoints wp ON ed.waypoint\_id = wp.id

LEFT JOIN

public.content\_statuses\_master csm\_wp ON wp.content\_visibility\_status\_id = csm\_wp.id

AND csm\_wp.is\_active = true -- Assuming content\_statuses\_master has an is\_active flag

LEFT JOIN

public.event\_types\_master etm ON ed.event\_type\_id = etm.id

AND etm.is\_active = true -- Ensure joined master records are active

LEFT JOIN

public.event\_recurrence\_frequencies\_master erfm ON ed.recurrence\_frequency\_id = erfm.id

AND erfm.is\_active = true -- Ensure joined master records are active

LEFT JOIN

public.event\_date\_certainty\_levels\_master edclm ON ed.future\_date\_estimation\_level\_id = edclm.id

AND edclm.is\_active = true -- Ensure joined master records are active

LEFT JOIN

public.event\_attendance\_scales\_master easm ON ed.expected\_attendance\_scale\_id = easm.id

AND easm.is\_active = true -- Ensure joined master records are active

LEFT JOIN

public.profiles creator\_profile ON ed.created\_by\_profile\_id = creator\_profile.id

LEFT JOIN

public.profiles updater\_profile ON ed.updated\_by\_profile\_id = updater\_profile.id

LEFT JOIN

public.profiles verifier\_profile ON ed.data\_verified\_by\_profile\_id = verifier\_profile.id

LEFT JOIN

public.waypoints related\_wp ON ed.related\_attraction\_waypoint\_id = related\_wp.id -- For the name of the related attraction waypoint

WHERE

ed.deleted\_at IS NULL; -- Typically, views show non-deleted records by default

COMMENT ON VIEW public.event\_details\_enriched\_view IS 'Provides a comprehensive, denormalized view of event details (Version 1.0). It enriches event data with human-readable names from related master tables (event types, recurrence frequencies, date certainty levels, attendance scales) and includes basic information from the parent waypoint (name, visibility status) and linked profiles (creator, updater, verifier). The view displays active, non-deleted event details. RLS from underlying tables apply.';

```

Key features and considerations for this view:

1. Denormalization: It joins `events\_details` with `waypoints`, all the event-specific master tables, and `profiles` to provide related information in a single source, simplifying client-side queries.

2. Primary Language Content: Shows `default\_name` (and similar `default\_...` fields) from `events\_details` and its master tables, representing content in the primary reference language. The application layer remains responsible for fetching translations from `public.translations`.

3. Master Table Activity: It explicitly joins with `is\_active = true` for all master tables to ensure that the descriptive names come from currently active master records.

4. Profile Information: Includes `public\_display\_name` from the `profiles` table for users who created, updated, or verified the event details.

5. Waypoint Information: Includes basic information from the parent `waypoints` table like its default name and visibility status code. \*This assumes `waypoints.default\_name` and `waypoints.content\_visibility\_status\_id` (linking to `content\_statuses\_master.id` which has a `code`) exist and that `content\_statuses\_master` has an `is\_active` flag. Adjust joins as needed based on the final `waypoints` schema.\*

6. Filtering: The `WHERE ed.deleted\_at IS NULL` clause ensures that soft-deleted event details are not included by default.

7. RLS (Row-Level Security):

- This view is defined as `SECURITY INVOKER` by default (not explicitly stated, but this is PostgreSQL's default). This means that RLS policies on the underlying tables (`events\_details`, `waypoints`, `profiles`, etc.) will be applied based on the querying user's permissions.

- The RLS policy already defined on `public.events\_details` (which checks the parent waypoint's publication status) will effectively control which rows are visible through this view.

8. Tag Names: `event\_theme\_or\_focus\_tag\_ids` are included. Displaying tag names would require further unnesting or array aggregation logic, which can be complex in a view and might be better handled at the application layer or in a dedicated function/procedure if needed.

9. Clarity in Naming: Aliases are used for columns from joined tables to avoid ambiguity and provide clarity (e.g., `event\_type\_name`, `waypoint\_default\_name`).

This view should serve as a good starting point for many common queries related to displaying event information.