



Promon Software Solutions Pvt Ltd

Audit tables for the Postgres databases

Version 1.0

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1 INTRODUCTION

1.1 Purpose and Scope

This document details theActivity for the Postgres auditing tables functionality and updates.

Document Change Management

Date	Version	Comments	Who
03-Oct-2023	1.0	Initial version	Pragdheeshwaran

1.2 References

Ref. No.	Title	Version	Created by
[1]		-	
[2]		-	-
[3]		-	-
[4]		-	-

2 REQUIREMENTS

Main tables

Audit tables

Function

Trigger

3 STEPS

TO ADD COLUMN IN EXISTING AUDIT TABLE

Step 1: Check if any tables has been added in main table with the below script

```
SELECT column_name as main_table_col_name FROM
information_schema.columns
WHERE table_schema = 'tusass'
AND table_name = 'orders'
EXCEPT
SELECT column_name as audit_table_col_name FROM
information_schema.columns
WHERE table_schema = 'tusass'
AND table_name = 'orders_audit_log';
```

These query will retrieve any new columns are added in main DB.

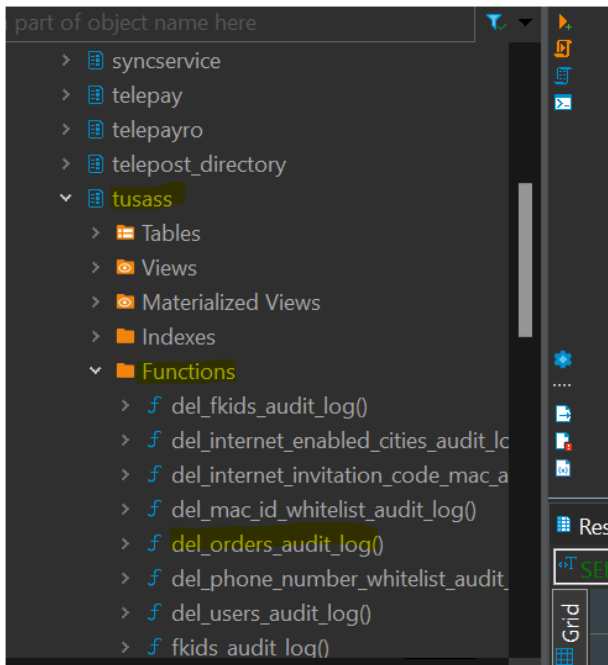
Step 2: For instance, if any column appears in the output, we can add it to the relevant audit table using the query below.

```
ALTER TABLE tusass.orders_audit_log ADD upgrade_service_id int4 NULL;
```

```
Tusass           =Schema
Orders_audit_log =tablename
upgrade_service_id=Column name
Int4             =type
```

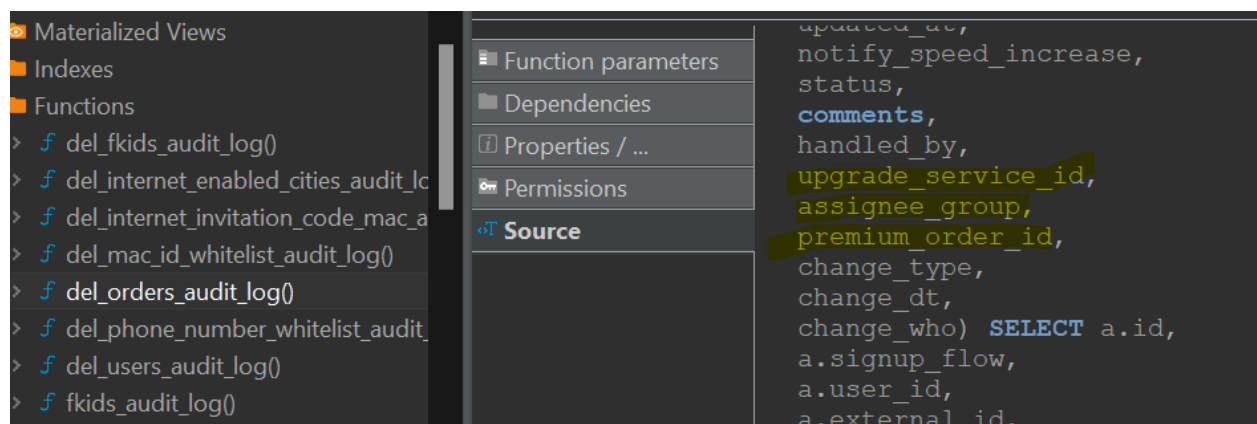
Step 3: After we need to add the column name into the relevant functions

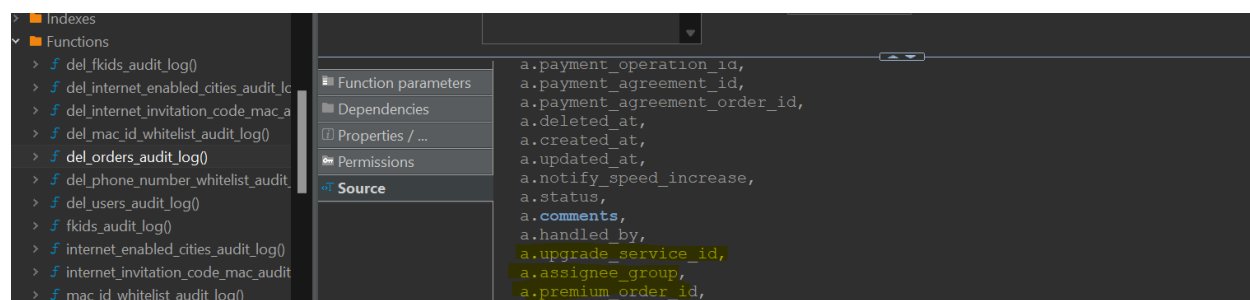
Here, i attached the screenshot for your reference how to navigate in to the functions



Step 4: According to the functions we had, such as Update, Insert, and Delete, we need add the column names before the **changetype**.

In the below screenshots we are adding the column name for delete function. We can add like this for update and inserts





The above steps are add a new column in existing audit table

