

<PostgreSQL - local-dps-admin> mail-fn

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CREATE OR REPLACE FUNCTION mail.read_message(IN _owner character varying, IN _message_id int8,
IN _system_label_folder labels.folders, IN _system_label_status int2, IN _user_label character
varying)
  RETURNS TABLE(id int8,
                sender jsonb,
                subject text,
                body text,
                recipient jsonb,
                system_folder labels.folders,
                system_label jsonb,
                sent_at timestamptz,
                created_at timestamptz,
                updated_at timestamptz) AS
$BODY$
begin
  IF coalesce(TRIM(_owner), '') = '' THEN
    RAISE EXCEPTION '_owner is required.';
  END IF;
  RETURN QUERY
  SELECT mail.message.id,
         jsonb_build_object('email_address', mail.message.sender_email_address,
'display_name', mail.message.sender_display_name) AS sender,
         mail.message.subject,
         mail.message.body,
         jsonb_object_agg(type, s.recipient ORDER BY type) AS recipient,
         labels.system_label.folder AS system_folder,
         --jsonb_build_array(CASE WHEN labels.system_label.done THEN 'done' END, CASE
WHEN labels.system_label.unread THEN 'unread' END) AS system_label,
         to_jsonb(array_remove(ARRAY[CASE WHEN labels.system_label.done THEN 'done'
END,
                                CASE WHEN labels.system_label.archived THEN
'archived' END,
                                CASE WHEN labels.system_label.starred THEN
'starred' END,
                                CASE WHEN labels.system_label.important THEN
'important' END,
                                CASE WHEN labels.system_label.chats THEN 'chats'
END,
                                CASE WHEN labels.system_label.spam THEN 'spam'
END,
                                CASE WHEN labels.system_label.trash THEN 'trash'
END,
                                CASE WHEN labels.system_label.unread THEN 'unread'
END], NULL)) AS system_label,
         mail.message.sent_at,
         mail.message.created_at,
         mail.message.updated_at
  FROM mail.message LEFT JOIN (SELECT
                                mail.envelope.message_id AS message_id,
                                mail.envelope.type AS type,
                                jsonb_agg(jsonb_build_object('email_address', mail.envelope.recipient_email_address,
'display_name', mail.envelope.recipient_display_name) ORDER BY mail.envelope.id)
                                AS recipient
  FROM
    mail.envelope
  GROUP BY
    mail.envelope.message_id, mail.envelope.type) s
  ON mail.message.id = s.message_id
  LEFT JOIN labels.system_label
  ON mail.message.id = labels.system_label.message_id
  WHERE (_message_id IS NULL OR mail.message.id = _message_id) AND
        (mail.message.sender_email_address = _owner OR (mail.message.sent_at IS NOT NULL AND
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s.recipient @> ('[{"email_address":"' || _owner || '"}]')::jsonb)) AND
    (_system_label_folder IS NULL OR (labels.system_label.folder = _system_label_folder
AND labels.system_label.owner = _owner))
GROUP BY
    mail.message.id, labels.system_label.folder,
    labels.system_label.done,
    labels.system_label.archived,
    labels.system_label.starred,
    labels.system_label.important,
    labels.system_label.chats,
    labels.system_label.spam,
    labels.system_label.trash,
    labels.system_label.unread;

END;
$BODY$
LANGUAGE plpgsql VOLATILE;

/*SELECT * from mail.read_message(
    :_owner,      -- put the _owner parameter value instead of '_owner' (varchar)
    :message_id,  -- put the _message_id parameter value instead of '_message_id' (int8)
    :system_label_folder, -- put the _system_label_folder parameter value instead of
'_system_label_folder' (folders)
    :system_label_status, -- put the _system_label_status parameter value instead of
'_system_label_status' (int2)
    :user_label   -- put the _user_label parameter value instead of '_user_label' (varchar)
);*/
```