# Change Database name in pg_cron schedule

Last updated by | Hamza Aqel | Sep 16, 2022 at 7:07 AM PDT

Starting with pg_cron version 1.4, you can use the cron.schedule_in_database and cron.alter_job functions to schedule your job in a specific database and update an existing schedule respectively.

First you need to check that you have the latest version (1.4), to check :

psql=> select * from pg_available_extensions where name='pg_cron';

```
test=> select * from pg_available_extensions where name='pg_cron';
  name    | default_version | installed_version |           comment
----------+-----------------+-------------------+------------------------------
 pg_cron | 1.4             | 1.4               | Job scheduler for PostgreSQL
(1 row)
```

if the installed version is not 1.4, ask the customer to drop and create the extension to get the latest version.

Some examples:

To delete old data on Saturday at 3:30am (GMT) on database mydb1

SELECT cron.schedule_in_database('JobName', '30 3 * * 6', $$DELETE FROM events WHERE event_time < now() - interval '1 week'$$,mydb1);

```
test=>
test=>
test=> SELECT cron.schedule_in_database('JobName', '30 3 * * 6', $$DELETE FROM events WHERE event_time < now() - interval '1 week'$$,'mydb1');
 schedule_in_database
----------------------
                    3
(1 row)

test=> select * from cron.job;
 jobid |  schedule  |                          command                          | nodename | nodeport | database | username | active | jobname
-------+------------+-----------------------------------------------------------+----------+----------+----------+----------+--------+---------
     3 | 30 3 * * 6 | DELETE FROM events WHERE event_time < now() - interval '1 week' | /tmp     |     5432 | mydb1    | haqel    | t      | JobName
(1 row)
```

To update or change the database name for the existing schedule

select cron.alter_job(job_id:=MyJobID,database:='NewDBName');

```
test=> select * from cron.job;
 jobid |  schedule  |                          command                          | nodename | nodeport | database | username | active | jobname
-------+------------+-----------------------------------------------------------+----------+----------+----------+----------+--------+---------
     3 | 30 3 * * 6 | DELETE FROM events WHERE event_time < now() - interval '1 week' | /tmp     |     5432 | mydb1    | haqel    | t      | JobName
(1 row)

test=> select cron.alter_job(job_id:=3,database:='test');
 alter_job
-----------

(1 row)

test=> select * from cron.job;
 jobid |  schedule  |                          command                          | nodename | nodeport | database | username | active | jobname
-------+------------+-----------------------------------------------------------+----------+----------+----------+----------+--------+---------
     3 | 30 3 * * 6 | DELETE FROM events WHERE event_time < now() - interval '1 week' | /tmp     |     5432 | test     | haqel    | t      | JobName
(1 row)
```

**Note**:

Changing the username is not supported, if that the case the only way to drop and create the job under the target user.