



Database Administrators

How to get the timestamp column in only milliseconds from PostgreSQL?

Asked 8 years, 5 months ago Active 1 year, 2 months ago Viewed 101k times



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I have a column "created" with type timestamp without time zone default now() in a PostgreSQL database.



If I select colums, it has a nice and readable format per default:







 \star

But I would like to get the timestamp in only milliseconds (as a Long). Something like this:

SELECT mvformat(created) FROM mvtable:

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```
2432432343876944
```

How can I get the timestamp column in only milliseconds from PostgreSQL?

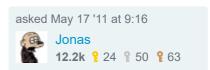
Response to Jack:

I do get the same difference as you (-3600), but if I use timestamp with time zone I can see that the "error" or difference is because '1970-01-01' gets time zone timestamp with timestamp variations at timestamp with timestamp variations and timestamp with timestamp variations and timestamp variations are timestamp variations and timestamp variations are timestamp variations.

Is the difference a bug? I may be because of "Daylight saving times" at the moment?

Also interesting while using to_timestamp() to insert timestamp 0 and 1.

edited May 18 '11 at 9:15



2 Answers



Use **EXTRACT** and the UNIX-Timestamp

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```
SELECT EXTRACT(EPOCH FROM TIMESTAMP '2011-05-17 10:40:28.876944') * 1000;
```

عيديناط مثيرة

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Multiply it by 1000 to turn it into milliseconds. You can then convert it to whatever you want (decimal would be a good choice). Don't forget to keep the timezone in mind. JackPDouglas has such an example in his answer. Here is an excerpt from his answer (created being the column with your timetamp) that illustrates how to work with timezones:

```
SELECT EXTRACT(EPOCH FROM created AT TIME ZONE 'UTC') FROM my_table;
```

edited Aug 9 '18 at 15:49



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--EDIT--

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I've discovered this (see below) is basically wrong. See <u>How do I get the current unix timestamp</u> <u>from PostgreSQL?</u> for the source of my confusion...



--END EDIT--

Posting as an answer because it won't work as a comment.

testbed:

queries:

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note date_part in the third query is: 1305638328.03266 - 3600 different.



answered May 17 '11 at 12:22

Jack Douglas ◆
30k ♀ 13 ♀ 83 ♀ 159

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