

DB API 2.0 and transactions

Source: <http://coding.derkeiler.com/Archive/Python/comp.lang.python/2005-06/msg00922.html>

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 - *Date:* Tue, 07 Jun 2005 12:54:52 -0500
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Hi,

Why is there no support for explicit transactions in the DB API? I mean like `transaction()` to start the trans and `commit()` and `rollback()` would end the trans or something.

The reason why I ask is because I wrote a daemon that interacts with a Postgres DB. The value of `CURRENT_TIMESTAMP` according to Postgres is NOT the actual walltime, but the walltime when the current transaction started.

This gets weird when using the Python DB API to interact with Postgres because a transaction gets started in 3 places: connection, commit, rollback.

So consider the daemon:

```
[pseudo code]
connect # begin trans at 12:00
sleep waiting # lets say 15 mins
wake up
put entry in db using CURRENT_TIMESTAMP # oops
[/code]
```

Oops, the `CURRENT_TIMESTAMP` evaluates to 12:00, not 12:15.

Now I know there are ways around this...

- 1) In Postgres, you can get the walltime and cast it to a timestamp.
- 2) In Python, you can just do an empty commit in order to "manually" start a new transaction.

I just think its a bit weird because this bit me in the butt for quite a while and this didn't happen when doing the same thing in other langs.

Anyone have any opinions on this?

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- *Follow-Ups:*

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- ◆ **Re: DB API 2.0 and transactions**

- ◇ From: Magnus Lycka

- ◆ **Re: DB API 2.0 and transactions**

- ◇ From: vincent wehren

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