

Re: DB API 2.0 and transactions

Source: <http://coding.derkeiler.com/Archive/Python/comp.lang.python/2005-06/msg00940.html>

- *From:* "vincent wehren" <vincent@xxxxxxxxxxxxxxxx>
 - *Date:* Tue, 7 Jun 2005 21:17:07 +0200
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"Christopher J. Bottaro" <cjbottaro@xxxxxxxxxxxxxxxx> schrieb im Newsbeitrag news:mailman.92.1118167102.10512.python-list@xxxxxxxxxxxxxxxx

| 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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The described behavior seems to be totally in synch with expectations

(both in accordance with PostgreSQL docs and the DB-API.)

These "other languages" *must* be doing something wrong! ;)

(Auto-commit set to "on" perhaps?)

Regards,

—

Vincent Wehren

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• *Follow-Ups:*

◆ *Re: DB API 2.0 and transactions*

◇ *From:* flyingfred0

• *References:*

◆ *DB API 2.0 and transactions*

◇ *From:* Christopher J. Bottaro

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