

BIEN 3 - Task #457

use driver-native autocommit mode instead of our custom autocommit implementation

07/30/2012 07:16 PM - Aaron Marcuse-Kubitza

Status:	New	Start date:	07/30/2012
Priority:	Normal	Due date:	
Assignee:	Aaron Marcuse-Kubitza	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Activity type:			

Description

- Should improve performance by avoiding creating unnecessary transactions
- In commit mode, also removes the need to auto-rollback failed queries

In sql.py: DbConn._db(): Configure connection, replace¹:

```
# Record that a transaction is already open
self._savepoint += 1

# Configure connection
if hasattr(self.db, 'set_isolation_level'):
    import psycopg2.extensions
    self.db.set_isolation_level(
        psycopg2.extensions.ISOLATION_LEVEL_READ_COMMITTED)
```

with:

```
# Record that a transaction is already open
if not self.autocommit: self._savepoint += 1

# Configure connection

# Set autocommit mode
if self.autocommit:
    if hasattr(self.db, 'set_isolation_level'):
        import psycopg2.extensions
        self.db.set_isolation_level(
            psycopg2.extensions.ISOLATION_LEVEL_AUTOCOMMIT)
    elif hasattr(self.db, 'autocommit'): self.db.autocommit(1)
```

In sql.py: DbConn.close(): Record that the automatic transaction is now closed, replace¹:

```
self._savepoint -= 1
```

with:

```
if not self.autocommit: self._savepoint -= 1
```

¹[r3689](#)

History

#1 - 07/30/2012 07:19 PM - Aaron Marcuse-Kubitza

- Description updated