
Subject: Re: PostgreSQL issues

Posted by [zsoft](#) on Wed, 23 May 2007 20:47:26 GMT

[View Forum Message](#) <> [Reply to Message](#)

BTW in my dev environment, I use SERIAL differently, because I wanted a common .sch file for my SQLite and PostgreSQL databases with the same behaviour.

So I use these lines for SQLite:

```
#define SERIAL(x)          COLUMN("integer primary key autoincrement", int64, x, 0, 0) //int is
not enough, as it is unsigned
#define SERIAL_ARRAY(x, items)  COLUMN_ARRAY("integer primary key autoincrement",
int64, x, 0, 0, items)
#define SERIAL_(x)          COLUMN_("integer primary key autoincrement", int64, x, 0, 0)
#define SERIAL_ARRAY_(x, items) COLUMN_ARRAY_("integer primary key autoincrement",
int64, x, 0, 0, items)

#define BIGSERIAL(x)          COLUMN("integer primary key autoincrement", int64, x, 0, 0)
#define BIGSERIAL_ARRAY(x, items) COLUMN_ARRAY("integer primary key autoincrement",
int64, x, 0, 0, items)
#define BIGSERIAL_(x)          COLUMN_("integer primary key autoincrement", int64, x, 0, 0)
#define BIGSERIAL_ARRAY_(x, items) COLUMN_ARRAY_("integer primary key autoincrement",
int64, x, 0, 0, items)
```

and these lines for PostgreSQL:

```
#define SERIAL(x)          COLUMN("serial primary key", int64, x, 0, 0) //int is not enough, as it
is unsigned
#define SERIAL_ARRAY(x, items)  COLUMN_ARRAY("serial primary key", int64, x, 0, 0, items)
#define SERIAL_(x)          COLUMN_("serial primary key", int64, x, 0, 0)
#define SERIAL_ARRAY_(x, items) COLUMN_ARRAY_("serial primary key", int64, x, 0, 0,
items)

#define BIGSERIAL(x)          COLUMN("bigserial primary key", int64, x, 0, 0)
#define BIGSERIAL_ARRAY(x, items) COLUMN_ARRAY("bigserial primary key", int64, x, 0, 0,
items)
#define BIGSERIAL_(x)          COLUMN_("bigserial primary key", int64, x, 0, 0)
#define BIGSERIAL_ARRAY_(x, items) COLUMN_ARRAY_("bigserial primary key", int64, x, 0, 0,
items)
```

So SERIAL in my terminology means a field type as it is incrementing automatically, serves as a primary key, and records can never have the same (old) id after deleting rows.
