
Subject: Re: PostgreSQL issues

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

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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.
