Subject: Huge error of Postgresql! Double fields by transmission to the program lose a fractional part!
Posted by sergeynikitin on Mon, 23 Jan 2017 01:28:11 GMT
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Huge error of Postgresql!
Double fields by transmission to the program from sql table lose a fractional part!

The decision is extremely simple. To scan a string not as int (atoi), but as Double (ScanDouble).
The request to correct quickly as soon as it is possible!

Place to correct:
file PostgreSQL.cpp
Fucntion: void PostgreSQLConnection::GetColumn(int i, Ref f) const
Line: 644
Now:

```
 switch(info[i].type)
 {
  case INT64_V:
   f.SetValue(ScanInt64(s));
   break;
  case INT_V:
   f.SetValue(atoi(s));
   break;
  case DOUBLE_V:
   f.SetValue(atoi(s));        //<========THIS LINE NEED TO CORRECT
   break;
  case BOOL_V:
   f.SetValue(*s == 't' ? "1" : "0");
   break;
  case DATE_V:
   f.SetValue(sDate(s));
   break;
  case TIME_V: {
    Time t = ToTime(sDate(s));
    t.hour = atoi(s + 11);
    t.minute = atoi(s + 14);
    t.second = atoi(s + 17);
    f.SetValue(t);
   }
   break;
  default: {

   . . . . .
```

Must be:

```
 switch(info[i].type)
```

```
{
 case INT64_V:
  f.SetValue(ScanInt64(s));
  break;
 case INT_V:
  f.SetValue(atoi(s));
  break;
 case DOUBLE_V:
  f.SetValue(ScanDouble(s));
  break;
 case BOOL_V:
  f.SetValue(*s == 't' ? "1" : "0");
  break;
 case DATE_V:
  f.SetValue(sDate(s));
  break;
 case TIME_V: {
   Time t = ToTime(sDate(s));
   t.hour = atoi(s + 11);
   t.minute = atoi(s + 14);
   t.second = atoi(s + 17);
   f.SetValue(t);
  }
  break;
 default: {

  . . . . .
```

Thanks!
