
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!
