
Subject: Date pasted in GridCtrl saved in sqlite. Problem and solution

Posted by [koldo](#) on Tue, 26 Aug 2008 20:05:53 GMT

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Hello all

I have found another problem and I propose you a solution.

The source of this is because when pasting in GridCtrl:

- From the GridCtrl, as it knows the type of the cells, the type of the Value of the cells is right
- From outside, as it does not know the type, all data are Values of type String

Using the standard SetDateScan there is no problem, but when changing it (for example SetDateScan("dmy")), when inserting or updating the row in GridCtrl through grid.WhenInsertRow() callback the function called:

```
SQL & ::Insert(MYTABLE)
(NAME, grid(NAME))
(
  DATE, grid(DATE));
grid(ID) = SQL.GetInsertedId();
```

goes wrong because although the date looks right in GridCtrl, it has been saved wrong in sqlite file.

Solution, not perfect but it works: I convert the Value String in a Value Date before inserting or updating in sqlite, so the last code would be:

```
SQL & ::Insert(MYTABLE)
(NAME, grid(NAME))
(
  DATE, FixDate(grid(DATE)));
grid(ID) = SQL.GetInsertedId();
```

where FixDate is defined:

```
Value FixDate(Value &val)
{
  if (!val.IsNull()) {
    if (!val.Is<Date>()) {
      Date d;
      StrToDate(d, val.ToString());
      return d;
    }
  }
  return val;
}
```

StrToDate cares of converting the String into a right Date considering the SetDateScan defined.

Comments?
