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Subject: Coloring a row in a SqlArray

Posted by [Giorgio](#) on Thu, 09 Aug 2018 12:34:56 GMT

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Hi there,

is there a way to set the color of a row of a SqlArray basing on a value of the related record in the database?

I have this SqlArray and - according on the value of a certain field that is not shown on screen - the line itself should be green or not colored.

So far, I have set a callback to the post query event: `mySqlArray.WhenPostQuery = THISBACK(ColorLines)`.

The `ColorLines()` method is as follows:

```
void MyApp::ColorLines()
{
    for(int i = 0; i < mySqlArray.GetCount(); i++) {
        mySqlArray.SetCursor(i);
        if(DB_data.IsAvailable(mySqlArray.GetKey()))
            JobList.SetLineColor(i, LtGreen());
    }
}
```

The `DB_data.IsAvailable()` method, checks the value of the field Available for the record: if the value is Y (yes) the method returns true, and the row will be colored in green. This approach works, indeed, but it seems to me really inefficient: to fill in the table I have just issued a select statement to the table, now I am issuing an additional select for each row of the table. Is there a way for me to set the color at the same time when filling the table?

As a side question: to get the \*value\* of the primary key there is the very convenient method `GetKey()`. The problem is that it returns "the value of the current row's primary key". To go through all the rows, I have to use `SetCursor(i)` in the for loop to make the i-th row the current one. Does it exist a method like `GetKey(int i)` that returns the value of the key of the i-th row?

Regards,  
Gio

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Subject: Re: Coloring a row in a SqlArray

Posted by [mirek](#) on Mon, 20 Aug 2018 06:43:42 GMT

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Giorgio wrote on Thu, 09 August 2018 14:34

The `DB_data.IsAvailable()` method, checks the value of the field `Available` for the record: if the value is `Y` (yes) the method returns `true`, and the row will be colored in green. This approach works, indeed, but it seems to me really inefficient: to fill in the table I have just issued a `select` statement to the table, now I am issuing an additional `select` for each row of the table. Is there a way for me to set the color at the same time when filling the table?

Unfortunate... really unfortunate.

Either you can consider to fill the table `NOT USING Query` and set line color as you add rows. In that case, it is possible that you will rather want to use `ArrayCtrl` instead.

Or you can `AddIndex` to store the value that you wish to use for the color, then either setup `Display` based on the index or just test this index in `ColorLines`.

Depends on what is in `"IsAvailable"`...

Quote:

As a side question: to get the `*value*` of the primary key there is the very convenient method `GetKey()`. The problem is that it returns "the value of the current row's primary key". To go through all the rows, I have to use `SetCursursor(i)` in the `for` loop to make the `i`-th row the current one. Does it exist a method like `GetKey(int i)` that returns the value of the key of the `i`-th row?

Yeah, that is not right approach. Just use `.Get(i, 0)` - primary key is by definition always the first index.

Mirek

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Subject: Re: Coloring a row in a `SqlArray`  
Posted by [Giorgio](#) on Mon, 27 Aug 2018 11:16:25 GMT  
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mirek wrote on Mon, 20 August 2018 08:43

Or you can `AddIndex` to store the value that you wish to use for the color, then either setup `Display` based on the index or just test this index in `ColorLines`.

Hi Mirek,  
thanks for the answer, the `AddIndex()` method worked as a charm.

Before you answered, to fix this issue, I added a "hidden" column (a column with a width of -1) containing the value used to color the lines. That worked, but the user was able to see that value if he manually changed the column width. I searched for a method to make the column really hidden, but I did not find it (there is a `Hide()` method, but is for `Ctrl`). So, just to get to know better UPP, does such method exist?

Regards,  
Gio

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