

User Interface - Bug #7946

Default selection and current browse row color differs for different customers applications

10/20/2023 02:27 AM - Stanislav Lomany

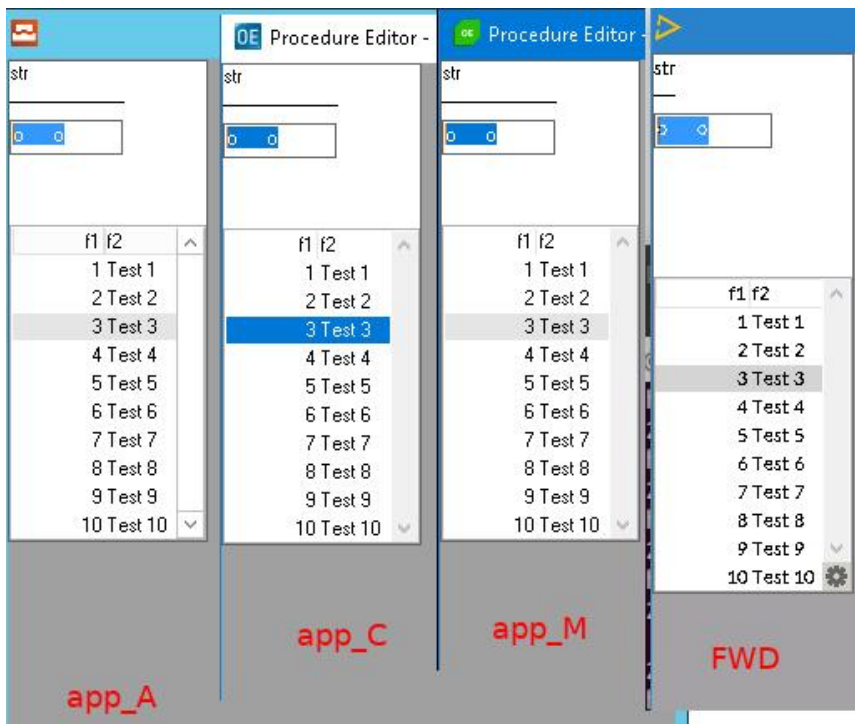
Status:	Test	Start date:	
Priority:	Normal	Due date:	
Assignee:	Stanislav Lomany	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No		
vendor_id:	GCD		
Description			

History

#2 - 10/20/2023 04:33 AM - Stanislav Lomany

- File colors.png added

We have differences in "selection color" which affects color of selection in fill-in, editor, drop-downs and selection lists, including the ones in browses and browse "row color" for the selected rows.



Systems used:

app_A - Windows Server 2012 + OE 11.x

app_C - Windows Server 2016 + OE 10.x (!)

app_M - Windows Server 2016 + OE 11.x

Greg, I've previously reported 11.x for app_C but that is incorrect, I was testing it on 10.X. The machine has 11.X but the license for it is expired. Do you know on which version app_C itself is running?

Things to notice:

1. app_C has the row color the same as the selection color. There's a manual on how to change it using registry: #7583-30 I don't know why this works on the specific configurations, because normally the described registry change affects only the selection color.
2. app_A and FWD use blue selection color while app_C and app_M - dark blue.
3. Gray row color in FWD is slightly darker than in app_A and app_M.

I personally suggest to make the colors configurable in order to support this zoo. As a bonus we will support the case when a customer wants to change selection color thru the registry.

#3 - 10/20/2023 04:37 AM - Stanislav Lomany

- File registry.png added

While app_C and app_M have different row color, the HKEY_CURRENT_USER\Control Panel\Colors sections are the same, which is:

Name	Type	Data
(Default)	REG_SZ	(value not set)
ActiveBorder	REG_SZ	180 180 180
ActiveTitle	REG_SZ	153 180 209
AppWorkspace	REG_SZ	171 171 171
Background	REG_SZ	0 0 0
ButtonAlternateFace	REG_SZ	0 0 0
ButtonDkShadow	REG_SZ	105 105 105
ButtonFace	REG_SZ	240 240 240
ButtonHilight	REG_SZ	255 255 255
ButtonLight	REG_SZ	227 227 227
ButtonShadow	REG_SZ	160 160 160
ButtonText	REG_SZ	0 0 0
GradientActiveTitle	REG_SZ	185 209 234
GradientInactiveTitle	REG_SZ	215 228 242
GrayText	REG_SZ	109 109 109
Hilight	REG_SZ	0 120 215
HilightText	REG_SZ	255 255 255
HotTrackingColor	REG_SZ	0 102 204
InactiveBorder	REG_SZ	244 247 252
InactiveTitle	REG_SZ	191 205 219
InactiveTitleText	REG_SZ	0 0 0
InfoText	REG_SZ	0 0 0
InfoWindow	REG_SZ	255 255 225
Menu	REG_SZ	240 240 240
MenuBar	REG_SZ	240 240 240
MenuHilight	REG_SZ	0 120 215
MenuText	REG_SZ	0 0 0
Scrollbar	REG_SZ	200 200 200
TitleText	REG_SZ	0 0 0
Window	REG_SZ	255 255 255
WindowFrame	REG_SZ	100 100 100
WindowText	REG_SZ	0 0 0

#4 - 10/20/2023 08:26 AM - Greg Shah

- Start date deleted (10/20/2023)

app_A - Windows Server 2012 + OE 11.x
app_C - Windows Server 2016 + OE 10.x (!)
app_M - Windows Server 2016 + OE 11.x

Greg, I've previously reported 11.x for app_C but that is incorrect, I was testing it on 10.X. The machine has 11.X but the license for it is expired. Do you know on which version app_C itself is running?

I think at least some (maybe most) of the production installations are 10.x but they may have a mix of 11.x in there.

I personally suggest to make the colors configurable in order to support this zoo. As a bonus we will support the case when a customer wants to change selection color thru the registry.

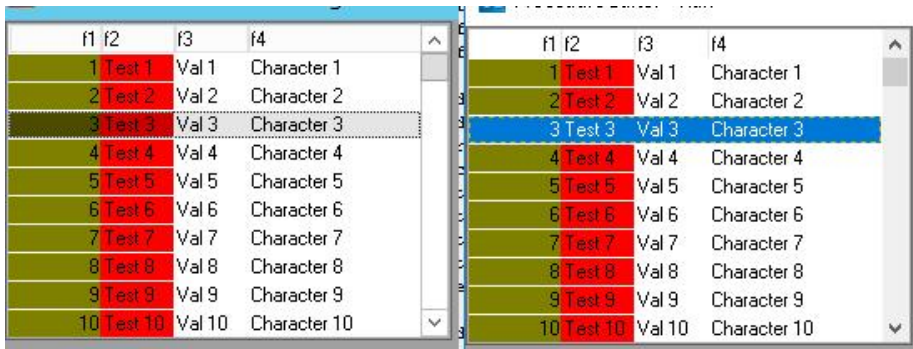
What is your suggested approach for this? It would need to be able to have defaults set for the entire system and then overrides for specific servers/groups/accounts, so this is probably something that fits in the "runtime" settings section. On the other hand, I think we can configure the 4GL color table in the directory too, right? It might be confusing to have this very separated from that stuff. I would want the structure to be simple and consistent.

We can move ahead with this idea BUT I really do want us to know the exact reasons why <app_C> has a difference in behavior from the other applications.

#5 - 10/21/2023 10:29 AM - Stanislav Lomany

- File 4gl.png added

I found the cause of the issue. This picture from my earlier investigations which illustrates the difference between the two drawing modes for the current row.



Starting with OpenEdge 11.5, the browse widget will paint a **translucent** selection bar (on the left).

Prior to OpenEdge 11.5, the browse widget paints selected rows as **opaque** using the highlight colors which are defined for the entire Windows session (on the right). This means that no matter what FG_COLOR or BG_COLOR are defined, the browse will always paint selected rows with a background color that is the same as the Windows COLOR_HIGHLIGHT and a foreground color that matches the Windows COLOR_HIGHLIGHTTEXT.

In OpenEdge 11.5 and later you can set OldBrowseSelectionBar parameter to revert the row coloring to the old mode.

Add OldBrowseSelectionBar=yes in the Startup section of the registry / INI file. For example in:

"Computer\HKEY_CURRENT_USER\SOFTWARE\PSC\PROGRESS\11.6\Startup"
 "Computer\HKEY_LOCAL_MACHINE\SOFTWARE\PSC\PROGRESS\11.6\Startup" –
 or in the INI file with:

```
[Startup]
...
OldBrowseSelectionBar=yes
```

Sources:

- <https://community.progress.com/s/article/P22578>
- <https://community.progress.com/s/article/000056499>

#6 - 10/21/2023 10:41 AM - Stanislav Lomany

Should we add oldBrowseSelectionBar parameter to the directory? E.g. in server/default/theme/oldBrowseSelectionBar?

Regarding the light blue selection color in app_A - it's default COLOR_HIGHLIGHT for Windows Server 2012. While Windows Server 2016 and

Windows 10 use dark blue.

Do you want to subclass Windows10Theme with WindowsServer2012Theme?

#7 - 10/23/2023 12:38 PM - Greg Shah

Stanislav Lomany wrote:

Should we add oldBrowseSelectionBar parameter to the directory? E.g. in server/default/theme/oldBrowseSelectionBar?

Regarding the light blue selection color in app_A - it's default COLOR_HIGHLIGHT for Windows Server 2012. While Windows Server 2016 and Windows 10 use dark blue.

Do you want to subclass Windows10Theme with WindowsServer2012Theme?

Yes, both ideas seem to be quite reasonable. Instead of /server/default/theme/oldBrowseSelectionBar, please make this a setting in the runtime area, just like we would set the decimal separator or other runtime values.

#8 - 10/23/2023 12:38 PM - Greg Shah

Very nice work in figuring this out!

#9 - 10/23/2023 01:10 PM - Stanislav Lomany

- Status changed from New to WIP

Created task branch 7946a from FWD trunk revision 14786.

#10 - 11/07/2023 12:30 PM - Stanislav Lomany

Rebased task branch 7946a from FWD trunk revision 14824.

#11 - 11/07/2023 05:08 PM - Stanislav Lomany

- Status changed from WIP to Review

- % Done changed from 0 to 100

The fix is in 7946a rev 14826. Please review.

#12 - 11/08/2023 08:05 AM - Greg Shah

Hynek: Please review.

#13 - 11/09/2023 03:05 AM - Hynek Cihlar

Code review 7946a.

The assignment of oldBrowseSelectionBar in EBCM.isOldBrowseSelectionBar should be double-locked: if (oldBrowseSelectionBar == null) { synchronized(...) { if (oldBrowseSelectionBar == null)

Otherwise the changes look good.

#14 - 11/09/2023 11:04 AM - Stanislav Lomany

The assignment of oldBrowseSelectionBar in EBCM.isOldBrowseSelectionBar should be double-locked

Fixed in 7946a rev 14827.
Greg, should I commit?

#15 - 11/09/2023 11:07 AM - Stanislav Lomany

Greg, I think that for app_A we should set the new Windows 2012 theme, and for app_C - enable the new oldBrowseSelectionBar parameter. Should I do the changes?

#16 - 11/09/2023 11:38 AM - Greg Shah

should I commit?

Yes, you can merge to trunk now.

I think that for app_A we should set the new Windows 2012 theme, and for app_C - enable the new oldBrowseSelectionBar parameter. Should I do the changes?

Yes, please commit these cfg changes at the same time you merge to trunk. Mention these cfg changes in your commit notice.

#17 - 11/09/2023 01:33 PM - Stanislav Lomany

app_A actually uses Material theme and therefore it hasn't been regressed by the Windows 10 theme changes as I assumed. It doesn't need any changes.

#18 - 11/09/2023 03:39 PM - Stanislav Lomany

7946a has been merged into the trunk as bzt revision 14825.
app_C changes to the directory.xml template have been merged as rev 359.

#19 - 11/17/2023 07:18 AM - Greg Shah

- Status changed from Review to Test

Files

colors.png	13.9 KB	10/20/2023	Stanislav Lomany
registry.png	60.2 KB	10/20/2023	Stanislav Lomany
4gl.png	7.37 KB	10/21/2023	Stanislav Lomany