
Subject: Tree widget woes

Posted by [robert.dimeo](#) on Fri, 12 Dec 2003 16:37:47 GMT

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Hi,

I work quite a bit with tree widgets in my IDL code and I have run into a problem. I use tree widgets to represent data in a folder hierarchy and clicking on the leaves usually results in a plot of a single data set or a multiple data set depending on whether or not the user selects more than one leaf. I want to be able to create dynamically the same kind of folder layout at the root level. If the multiple keyword is set in the tree widget then I have problems with where the duplicate folder layout gets realized if one of the leaf widgets is selected. I tried unselecting the selected leaf widget prior to adding the folder hierarchy but this does not solve the problem.

I have found that this problem does not occur on LINUX but only on WINDOWS. (might be a useful hint there...?)

If the description above does not make sense I hope the code below will help...

The code at the end of this message illustrates the problems I'm having. To run it, compile it and type `TREE_WIDGET_TEST,MULT = 1`. The keyword `MULT` simply tells the tree widget to allow multiple leaf/folder selections. Select one of the leaves (labeled `DATA`) and then press the button labeled `ADD_FOLDER`. What I want to happen is for a whole new hierarchy of folders to appear at the root level. It actually appears under the leaf that was selected. Now if you run the program with the keyword `MULT=0` you get the desired behavior. Unfortunately I want to be able to select multiple files AND be able to put in the new folder hierarchy. Can I have my cake and eat it too? Any help would be greatly appreciated.

Thanks,

Rob

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.....  
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!  
pro tt_add_folder,event  
file_tree = widget_info(event.top,find_by_uname = 'FILE_TREE')  
group = widget_tree(file_tree,value = 'Data Group',/folder,$  
    /expanded)  
leaf1 = widget_tree(group, value = 'Data')  
leaf2 = widget_tree(group, value = 'Data')  
end
```

```

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pro tt_event,event
uname = widget_info(event.id,/uname)
case uname of
'QUIT': widget_control,event.top,/destroy
'ADD_FOLDER': tt_add_folder,event
else:
endcase
end
.....
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pro tree_widget_test,mult = mult
if n_elements(mult) eq 0 then mult = 0
register_name = 'tw_test'
tlb = widget_base(title = 'Tree Widget Test',/col,/tlb_frame_attr)
tree_base = widget_base(tlb,/col)
file_tree = widget_tree(tree_base,multiple = mult,uname = 'FILE_TREE')

group = widget_tree(file_tree,value = 'Data Group',/folder,$
    /expanded)
leaf1 = widget_tree(group, value = 'Data')
leaf2 = widget_tree(group, value = 'Data')
void = widget_button(tlb,value = 'ADD FOLDER',uname = 'ADD_FOLDER')
void = widget_button(tlb,value = 'QUIT',uname = 'QUIT')
widget_control,tlb,/realize
xmanager,register_name,tlb,/no_block,event_handler = 'tt_event'
end

```
