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## New context menu button?

Posted by yoodilo - 2009/07/30 10:49

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Hey there,

is there any possibility to add a new entry to the rightclick menu of events and todos and when I click them, there should be something done with them like changing/adding/setting a certain categorie for them!?

thanks!

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## Re: New context menu button?

Posted by Rainy - 2009/08/06 05:05

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I'll have to think about it. I'm not sure how well that would work if the event has multiple categories...

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## Re:New context menu button?

Posted by yoodilo - 2009/08/06 12:47

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why not doing the follwing as concerning scripting:

1. ability to add one or more event-buttons with particular caption which should execute a certain, userdefined function on the chosen event-id
2. (probably already integrated, but since I don't know scripting yet, I don't know it): feature to

add (is the only thing I need for what I wanna do, but to be more feature-rich also the ability of deleting a category would be nice) a category to a passed event id.

so it would be able to connect both things to add a category by rightclicking.

This would be an awesome feature since it would make speedup hiding events which are done by adding a category which is marked in options to now be shown :)

WONDERFUL!!

thanks so far!

p.s.: nice new board!

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## Re:New context menu button?

Posted by Rainy - 2009/08/11 12:07

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You can actually do that already (with the newer beta versions). The `Global_ToggleTaskStatus()` in the `components.lua` changes the status of the task when the button in the front of the task is clicked. With small modifications the same method can be used also the set the category for the event.

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## Re:New context menu button?

Posted by yoodilo - 2009/08/11 12:30

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Is this only for todos or also for events? because I don't see any icon in front of the events, only a littel circle in front of the todos?!

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## Re:New context menu button?

Posted by Rainy - 2009/08/11 13:11

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The skin has the button only for the tasks but it should work the same way also in the event list. The eventlist.xml just need to be modified so that it shows also the button in front of the items.

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## Re:New context menu button?

Posted by yoodilo - 2009/08/12 07:02

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do you mean this one:

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how to make it be displayed for events?

like that:

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## Re:New context menu button?

Posted by Rainy - 2009/08/12 10:13

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That's the image which is used in the button so you don't have to change it unless you want to. What you need to do is to edit the eventlist.xml file and add the button to the element like it is in the todolist.xml. You also need to adjust the padding for the item's text so that it isn't drawn over the button and change the function (action) which is triggered when the button is clicked.

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## Re:New context menu button?

Posted by yoodilo - 2009/08/12 12:22

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Ah nice, thanks so far.

I'm now calling the a new function with the #GUID# as for the todo-task.

my looks like the following so far:

```
--
-- Adds given category to a certain event and thus helps to
-- blend out an event if the category is set to hidden
--
-- Parameters:
--   strGuid - The unique identifier of the task.
--   strCat - Category
-- Return:
--   Nothing
--
function Global_AddCategoryToEvent(strGuid, cat)
  strEvent = Rainlendar_GetComponent(strGuid)

  if (strEvent) then
    -- Something to do here:
    strEvent = Private_SetIcalProperty(strEvent, "STATUS", "NEEDS-ACTION")

    Rainlendar_UpdateComponent(strEvent)
    bChanges = Rainlendar_FlushComponents()
```

```
if (bChanges == true) then
  -- Redraw the windows if there were changes that need to be shown
  Rainlendar_Redraw(1)
end
end
end
```

but there's nothing about the SetIcalProperty in the help file so I don't know how to add my category which is set to be hidden, which is named "hidden\_cat", please help me with this line! thanks!

edit: ok these private functions are defined in the lua file itself, but I don't know how the concerning category-field is named and further, I dunno how to do debugging with rainlendar to alert some test-variables or so so I would now how to manipulate. probably something like:

```
strEvent = Private_SetIcalProperty(strEvent, "CATEGORY", "hidden_cat")
```

but as mentioned, I don't really know it.

edit2: ok as tried just one line above: doesn't work.

another question would be: would it be better to not write it into the components.lua because this file will be overwritten when upgrading but if yes, where? can i create a custom lua file? and what about the private functions icalset/get? do I have to copy them into the own lua-file to be able to call them?

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## Re:New context menu button?

Posted by Rainy - 2009/08/12 13:43

You can find out the parameter names if you open the ics file in a text editor. The correct value for the category is "CATEGORIES".

Yes, you should put the new function to a separate file. All files with ".lua" extension are read automatically from the scripts folder. You can also call functions from other files so it's not necessary to make a copy of the Private\_SetIcalProperty function.

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## Re:New context menu button?

Posted by yoodilo - 2009/08/12 14:02

Wow nice, awesome! That works so far like that:

```
function Global_AddCategoryToEvent(strGuid)
  strEvent = Rainlendar_GetComponent(strGuid)

  if (strEvent) then
    -- Something to do here:
    cats = Private_GetIcalProperty(strEvent, "CATEGORIES"..",Ausblenden"
    strEvent = Private_SetIcalProperty(strEvent, "CATEGORIES", cats)

    Rainlendar_UpdateComponent(strEvent)
    bChanges = Rainlendar_FlushComponents()
    if (bChanges == true) then
      -- Redraw the windows if there were changes that need to be shown
      Rainlendar_Redraw(1)
    end
  end
end
```

now the following would be awesome:

if the event is recurrent, just delete the actual instance (or better to say: add today to the ignore list), otherwise really add

the category. so the question would be:

how to delete this instance for recurrent events? I mean:  
I see there's the entry

EXDATE;VALUE=DATE:20080812

but

- a) when it's already ignored for another date, how to ADD a new ignoration so the other one is kept (since every entry should be in a new line in the ics-file)
- b) how to set the date as formatted above? and how to get the date of the day where I clicked the event. let's assume an event which is daily and I click the hide-icon for the event tomorrow, I want to add tomorrows's date to the ignore list and not today.

and second question:

how to read out if the event is recurrent? I see the "RRULE" but: Is the event ALWAYS recurrent if there's an entry "RRULE" and otherwise not? edit: seems so.

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## Re:New context menu button?

Posted by Rainy - 2009/08/13 10:57

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a) You would need to make a new function which would just add the property for the event. The last return statement in the Private\_SetIcalProperty() function does this already so you can just remove the checks from the function which test if the property already exists.

b) That's probably not possible at the moment. I need to add a variable for that.

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## Re:New context menu button?

Posted by yoodilo - 2009/08/13 19:52

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hm damn it. so I can't finish my nice plugin :) do you think you'll be able to help me with the second one out in the next beta or so? perhaps you could just transmit the date of the date for which the event is clicked as a variable?!

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## Re:New context menu button?

Posted by Rainy - 2009/08/14 12:10

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Yes, it will be in the next build.

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## Re:New context menu button?

Posted by yoodilo - 2009/08/21 02:59

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Nice thanks! Hope it'll work as I want it to be :>

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## Re:New context menu button?

Posted by yoodilo - 2009/08/23 02:06

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Thanks so far. But this doesn't work:

```
function Global_AddCategoryToEvent(strGuid, eventDate)
```

```

strEvent = Rainlendar_GetComponent(strGuid)

if (strEvent) then
-- Something to do here:
cats = Private_GetIcalProperty(strEvent, "CATEGORIES")..",Ausblenden"
prule = Private_GetIcalProperty(strEvent, "RRULE")
if(prule) then
-- if the event is recurrent -> add date of day to ignore-list
strEvent = Private_SetIcalProperty(strEvent, "EXDATE", eventDate)
else
-- else -> add hidden category
strEvent = Private_SetIcalProperty(strEvent, "CATEGORIES", cats)
end

Rainlendar_UpdateComponent(strEvent)
bChanges = Rainlendar_FlushComponents()
if (bChanges == true) then
-- Redraw the windows if there were changes that need to be shown
Rainlendar_Redraw(1)
end
end
end

```

it only works for non recurrent items. This is how I call it from xml/eventlist.xml as :

the strange thing is: first I wrote as tooltip "mark done (add hidden category)", and when I now hover the button, I still read it instead of only "Mark done" as written in the code. So my though is, that the skin perhaps doesn't get re-read and so, the button still calls my Global\_AddCategoryToEvent-Function e´without the second parameter #DATE# and thus it doesn't work...

Hope you can clear things up :)  
thanks

Edit: My suggestion works quite good now :-)) I worked in the wrong directory and that's also why the tooltip wasn't changed since I did edit the right skin from the wrong directory (an rainlendar backup^^).  
thanks!

ifn you like the script (I like it), it would be awesome if you include it or make it available for others :) feel free to do so. but than please add my homepage to the author list.

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## Re:New context menu button?

Posted by Rainy - 2009/08/23 07:03

You can add it to the Scripts section in the wiki: <http://wiki.rainlendar.info/index.php?title=Scripts>

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## Re:New context menu button?

Posted by yoodilo - 2009/08/26 05:40

Hey,

ok, thanks. There's still a problem when adding the hidden category (non-recurrent events):

I looked into the ics file and saw that categorie-format is not like:

cat1,cat2,...

but

```
CATEGORIES:cat1
CATEGORIES:cat2
```

etc...

So I changed the script:

```
function Global_AddCategoryToEvent(strGuid, eventDate)
  strEvent = Rainlendar_GetComponent(strGuid)

  if (strEvent) then
  prule = Private_GetIcalProperty(strEvent, "RRULE")
  if(prule) then
    -- if the event is recurrent -> add date of day to ignore-list
    strEvent = Private_SetIcalProperty(strEvent, "EXDATE", eventDate)
  else
    -- else -> add hidden category
    strEvent = Private_SetIcalProperty(strEvent, "CATEGORIES", "Ausblenden")
  end

  Rainlendar_UpdateComponent(strEvent)
  bChanges = Rainlendar_FlushComponents()
  if (bChanges == true) then
    -- Redraw the windows if there were changes that need to be shown
    Rainlendar_Redraw(1)
  end
end
```

so that the hidden category "Ausblenden" is being added while keeping existing categories. the strang thing about it: it's the same as when I add an "EXDATE", the existing ones are being kept. but when using this for categories, every category is deleted and there's only the category "ausblenden" and no more...

how to fix it? thanks!

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## Re:New context menu button?

Posted by Rainy - 2009/08/28 12:57

Can your post also the Private\_SetIcalProperty() function?

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## Re:New context menu button?

Posted by yoodilo - 2009/08/28 13:08

Hmpf, ähh, yeah, but it's the default function which YOU delivered with rainlendar as far as I understand!?

```
function Private_SetIcalProperty(strComponent, strProperty, strValue)
  s, e = string.find(strComponent, strProperty .. ":\r\n")
  if (s and e) then
    -- The property was found -> replace the value
    return string.gsub(strComponent, strProperty .. ":\r\n", strProperty .. ":" .. strValue .. "\r\n")
  else
    -- The property is missing -> create a new one
    return string.gsub(strComponent, "END:", strProperty .. ":" .. strValue .. "\r\nEND:")
  end
end
```

---

end

it's not my own function...

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## Re:New context menu button?

Posted by Rainy - 2009/08/28 13:48

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The Private\_SetIcalProperty() replaces the existing property so you cannot use it to add new properties. You need to create a new function which just adds the property to the event.

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## Re:New context menu button?

Posted by yoodilo - 2009/08/28 14:01

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Åh and why is it than working for ADDING (not replacing) ignore-dates for recurrent dates as you told me to do in this post before:

[http://www.rainlendar.net/cms/index.php?option=com\\_kunena&Itemid=42&func=view&catid=6&id=10515&limit=6&limitstart=6#10605](http://www.rainlendar.net/cms/index.php?option=com_kunena&Itemid=42&func=view&catid=6&id=10515&limit=6&limitstart=6#10605)

(in a)).

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## Re:New context menu button?

Posted by Rainy - 2009/08/28 14:28

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The "EXDATE" works because it will be converted to "EXDATE;VALUE=DATE" after the changes are applied to the event so the Private\_SetIcalProperty() function doesn't find an existing property to replace when it is changed a second time.

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## Re:New context menu button?

Posted by yoodilo - 2009/08/28 14:31

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Hm ok, I understand. Would this be enough:

```
function Private_SetIcalProperty(strComponent, strProperty, strValue)
    return string.gsub(strComponent, "END:", strProperty .. ":" .. strValue .. "\r\nEND:")
end
```

since I don't need a check, just adding it?

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## Re:New context menu button?

Posted by Rainy - 2009/08/29 01:56

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Yes, that should work. You might want to create a separate function from it (e.g. Private\_AddIcalProperty) and leave the current one as it was.

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## Re:New context menu button?

Posted by yoodilo - 2009/08/29 02:52

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Yeah nice, finally :-) This works as I wanted it to be:

```
--
-- Adds given category to a certain event and thus helps to
-- blend out an event if the category is set to hidden
--
-- Parameters:
--   strGuid - The unique identifier of the task.
--   eventDate - The date when the clicked event occurs (important for ignoring recurrent events)
-- Return:
--   Nothing
--
function Global_AddCategoryToEvent(strGuid, eventDate)
  strEvent = Rainlendar_GetComponent(strGuid)

  if (strEvent) then
    prule = Private_GetIcalProperty(strEvent, "RRULE")
    if(prule) then
      -- if the event is recurrent -> add date of day to ignore-list
      strEvent = Private_AddIcalProperty(strEvent, "EXDATE", eventDate)
    else
      -- else -> add hidden category
      strEvent = Private_AddIcalProperty(strEvent, "CATEGORIES", "Ausblenden")
    end

    Rainlendar_UpdateComponent(strEvent)
    bChanges = Rainlendar_FlushComponents()
    if (bChanges == true) then
      -- Redraw the windows if there were changes that need to be shown
      Rainlendar_Redraw(1)
    end
  end
end

function Private_AddIcalProperty(strComponent, strProperty, strValue)
  return string.gsub(strComponent, "END:", strProperty .. ":" .. strValue .. "\r\nEND:")
end
```

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## Re:New context menu button?

Posted by yoodilo - 2009/10/06 11:26

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OK one more thing about it: When the event has an end-date, like:

19:30h - 20:30h

than the script first sets 20:30 to 19:30 (so that it only has a start-date) and when clicking again, it hides the event.

Why??  
thanks!

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## Re:New context menu button?

Posted by Rainy - 2009/10/06 12:15

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It will probably break the "DTEND" property in the events. Try if this works:



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```
function Private_AddIcalProperty(strComponent, strProperty, strValue)
  return string.gsub(strComponent, "\r\nEND:", "\r\n" .. strProperty .. ":" .. strValue .. "\r\nEND:")
end
```

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## Re:New context menu button?

Posted by yoodilo - 2009/10/06 17:09

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Yeah nice, that fixed it :-)

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