

## EDIT - feature request #7912

### Enhance checkbox tree viewer

11/19/2018 12:09 PM - Patrick Plitzner

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	New	<b>Due date:</b>	
<b>Assignee:</b>	Patrick Plitzner	<b>% Done:</b>	100%
<b>Category:</b>	taxeditor	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	Release 5.5		
<b>Severity:</b>	normal		
<b>Description</b>			
Implement buttons:			
<ul style="list-style-type: none"><li>• to (de-)select all children</li><li>• select all children recursively or only direct children</li></ul>			
Visualize selection state:			
<ul style="list-style-type: none"><li>• Text of tree node<ul style="list-style-type: none"><li>◦ <i>italic</i> when some children are selected</li><li>◦ <b>bold</b> when all children are selected</li><li>◦ default otherwise</li></ul></li><li>• Checkboxes<ul style="list-style-type: none"><li>◦ checked when item is selected</li><li>◦ grayed when item is not selected but some or all children are selected</li></ul></li></ul>			
<b>Related issues:</b>			
Related to EDIT - feature request #7063: Improve the area selection wizard fo...		<b>Closed</b>	
Copied to EDIT - feature request #8054: Remaing issues - CheckBoxTreeComposite		<b>New</b>	

#### Associated revisions

**Revision 05d18da0 - 11/20/2018 03:51 PM - Patrick Plitzner**

ref #7912 Add toolbar to checkbox viewer + visualize selection state

**Revision 9ab27a32 - 11/21/2018 03:57 PM - Patrick Plitzner**

ref #7912 Fix selection states in checkbox viewer

**Revision a3895d57 - 11/21/2018 04:02 PM - Patrick Plitzner**

ref #7912 i18n

**Revision bfe8226d - 11/21/2018 04:17 PM - Patrick Plitzner**

ref #7912 Centralize layout

**Revision 1d035f5d - 01/28/2019 04:24 PM - Patrick Plitzner**

ref #7912 Fix font evaluation in checkbox tree composite

**Revision 2204e24e - 01/28/2019 05:11 PM - Patrick Plitzner**

ref #7912 Add "Select direct children" button

**Revision 1415c660 - 01/28/2019 06:01 PM - Patrick Plitzner**

ref #7912 i18n

**Revision d52bc40e - 02/01/2019 11:35 AM - Patrick Plitzner**

ref #7912 Add flag to allow selection of top level nodes

- default is false
- currently only allowed in area vocabulary selection in distribution editor preferences

## History

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### #1 - 11/21/2018 04:03 PM - Patrick Plitzner

- Status changed from *New* to *Resolved*
- Assignee changed from *Patrick Plitzner* to *Andreas Müller*
- % Done changed from *0* to *50*

### #2 - 11/21/2018 04:03 PM - Patrick Plitzner

- Assignee changed from *Andreas Müller* to *Katja Luther*

### #3 - 12/20/2018 10:45 AM - Katja Luther

- Status changed from *Resolved* to *Feedback*

this seems to work, but the checkboxes are not grayed when a child or some children are selected.

### #4 - 12/20/2018 12:00 PM - Katja Luther

- Assignee changed from *Katja Luther* to *Patrick Plitzner*

### #5 - 01/11/2019 03:07 PM - Patrick Plitzner

- Assignee changed from *Patrick Plitzner* to *Katja Luther*

Katja Luther wrote:

this seems to work, but the checkboxes are not grayed when a child or some children are selected.

Setting the checkboxes to gray seems to be platform dependant. On the Lubuntu linux distribution, for example, this state cannot be shown. Therefore the font is changed according to the selection state. **bold** if all children are selected, *italic* if some children are selected and standard if nothing is selected.

Can you please test in some cases if this works for you especially when re-opening a dialog with saved areas? If the grayed state is not that important we may close this ticket.

### #6 - 01/17/2019 09:47 AM - Andreas Müller

- Status changed from *Feedback* to *Resolved*
- Assignee changed from *Katja Luther* to *Andreas Müller*

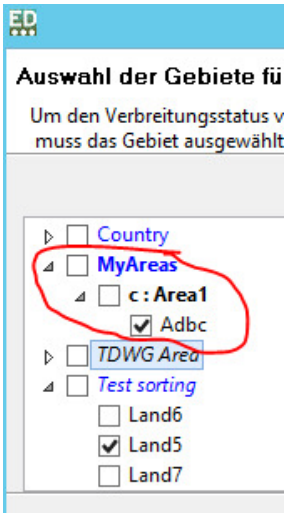
To remind me to review.

### #7 - 01/27/2019 09:16 AM - Andreas Müller

- File *picture672-1.png* added
- Status changed from *Resolved* to *Feedback*
- Assignee changed from *Andreas Müller* to *Patrick Plitzner*

It works already very good. 2 minor issues:

1. The state check should always include all children AND recursive children. E.g. here



MyAreas should have state "some" not "all" as Area1 is not selected (though all of its subareas are selected so the current behaviour has some logic).

1. Even if greying the checkbox does not work on Ubuntu for some reason I think we should still try to do it and see if it works e.g. on Windows. A grey checkbox is more intuitive than italics. But of course we will keep the italics too to make sure that the dialog generally works on all systems.

#### #8 - 01/27/2019 09:20 AM - Andreas Müller

Patrick Plitzner wrote:

Implement buttons:

- to (de-)select all children
- select all children recursively or only direct children

The second issue does not seem to be implemented yet, but it is helpful if you want to check down to a certain hierarchy level.

#### #9 - 01/28/2019 06:04 PM - Patrick Plitzner

- Status changed from Feedback to Closed
- Assignee changed from Patrick Plitzner to Andreas Müller
- % Done changed from 50 to 80

all implemented

#### #10 - 01/29/2019 02:08 PM - Andreas Müller

- Status changed from Closed to Resolved

#### #11 - 01/29/2019 06:32 PM - Andreas Müller

- Status changed from Resolved to Feedback
- Assignee changed from Andreas Müller to Patrick Plitzner

Andreas Müller wrote:

1. Even if greying the checkbox does not work on Ubuntu for some reason I think we should still try to do it and see if it works e.g. on Windows. A grey checkbox is more intuitive than italics. But of course we will keep the italics too to make sure that the dialog generally works on all systems.

The checkboxes are still not grey on Windows. Is this not possible? Then leave a message. Or just forgot?

#### #12 - 01/29/2019 06:34 PM - Andreas Müller

- % Done changed from 80 to 90

All the rest works as expected now as far as I can see.

#### #13 - 01/29/2019 08:48 PM - Andreas Müller

There is still an issue with the usage e.g. for distribution editor. Here you may not want that the vocabulary itself can be selected. So the top level nodes must not be selectable only the state should change depending on the selection of the (recursive) children. But of course it would be nice to have the typical tristate behavior here (empty if no child is selected, unknown state if some children are selected and checked state if all children are selected).

I think it should be configurable if the topmost level can be selected or not.

**#14 - 01/29/2019 08:49 PM - Andreas Müller**

- % Done changed from 90 to 80

**#15 - 02/01/2019 11:01 AM - Patrick Plitzner**

Andreas Müller wrote:

Andreas Müller wrote:

1. Even if greying the checkbox does not work on Ubuntu for some reason I think we should still try to do it and see if it works e.g. on Windows. A grey checkbox is more intuitive than italics. But of course we will keep the italics too to make sure that the dialog generally works on all systems.

The checkboxes are still not grey on Windows. Is this not possible? Then leave a message. Or just forgot?

I cannot really test this because I have no working environment on Windows. If I just implement this blindly I am afraid of breaking something. Maybe I can pair up with a Windows user and try it there.

**#16 - 02/01/2019 11:36 AM - Patrick Plitzner**

- Status changed from Feedback to Resolved

- Assignee changed from Patrick Plitzner to Andreas Müller

Andreas Müller wrote:

There is still an issue with the usage e.g. for distribution editor. Here you may not want that the vocabulary itself can be selected. So the top level nodes must not be selectable only the state should change depending on the selection of the (recursive) children. But of course it would be nice to have the typical tristate behavior here (empty if no child is selected, unknown state if some children are selected and checked state if all children are selected).

I think it should be configurable if the topmost level can be selected or not.

This is implemented

**#17 - 02/01/2019 12:22 PM - Andreas Müller**

- File picture900-1.png added

- Status changed from Resolved to Feedback

- Assignee changed from Andreas Müller to Patrick Plitzner

Patrick Plitzner wrote:

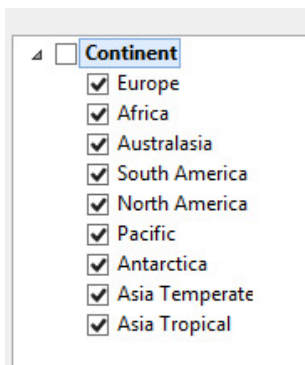
Andreas Müller wrote:

There is still an issue with the usage e.g. for distribution editor. Here you may not want that the vocabulary itself can be selected. So the top level nodes must not be selectable only the state should change depending on the selection of the (recursive) children. But of course it would be nice to have the typical tristate behavior here (empty if no child is selected, unknown state if some children are selected and checked state if all children are selected).

I think it should be configurable if the topmost level can be selected or not.

This is implemented

OK, this works. Only it feels a bit strange that there is a checkbox which is always empty and can not be clicked and at the same time all the children are selected, e.g.:



So best would be to handle this checkbox as standard checkbox with in trees with unchecked=no child selected, checked=all children selected, tristate=some children selected. Alternatively, if possible, we could simply remove the checkbox. However, this has no high priority, so if not easy to implement we can move it to a follow up ticket.

**#18 - 02/01/2019 12:23 PM - Andreas Müller**

Patrick Piltzner wrote:

Andreas Müller wrote:

Andreas Müller wrote:

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I cannot really test this because I have no working environment on Windows. If I just implement this blindly I am afraid of breaking something. Maybe I can pair up with a Windows user and try it there.

@Katja: could you have a look if this can be done on Windows somehow. Also not high priority.

**#19 - 02/01/2019 02:43 PM - Patrick Piltzner**

I created a new ticket for the top-level checkbox -> [#8054](#)

**#20 - 02/01/2019 02:45 PM - Patrick Piltzner**

Andreas Müller wrote:

Patrick Piltzner wrote:

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Andreas Müller wrote:

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I cannot really test this because I have no working environment on Windows. If I just implement this blindly I am afraid of breaking something. Maybe I can pair up with a Windows user and try it there.

@Katja: could you have a look if this can be done on Windows somehow. Also not high priority.

@Katja: We can do this together next week.

**#21 - 02/04/2019 12:34 PM - Andreas Müller**

- Related to feature request #7063: Improve the area selection wizard for distribution editor added

**#22 - 02/08/2019 03:28 PM - Patrick Plitzner**

- Status changed from Feedback to Closed

- % Done changed from 80 to 100

Added remaining issues to [#8054](#)

**#23 - 02/19/2019 06:57 PM - Andreas Müller**

Please always add the follow up tickets to the "related issues" section, too.

**#24 - 02/19/2019 06:57 PM - Andreas Müller**

- Copied to feature request #8054: Remaing issues - CheckBoxTreeComposite added

#### Files

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picture672-1.png	6.85 KB	01/27/2019	Andreas Müller
picture900-1.png	3.06 KB	02/01/2019	Andreas Müller