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2007

Release Notes

- ezcategoryselection extension -

Submit to:	
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Version: 1.7	
Date: 5 Jul, 2010	

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Revision History

The current version of ezcategoryselection extension is 1.7. You can find details about changes for this version in the following table.

Version	Modification Date	Updated By	Comments
1.0		Michael Lee	● First public release
1.1		Michael Lee	● Display option id for category selection option ● Display option id for selection option
1.2		Michael Lee	● Category filtering support for category_options() operator ● Add simple_category_options() operator
1.3		Michael Lee	● Change category binding information for content class edit template ● Enhance ezcategoryselection type to support binding categories defined in other class (this is called 'cross class') ● A new attribute named "cross class" is introduced. When editing an ezcategoryselection field, if you select "yes" for "cross class", you can bind an option to categories defined in other classes. The 'cross class' mode is useful if you want to connect an option to categories defined in external classes. This is useful for defining complicated logic. (A good example is zquestionnaire extension, we used the 'cross class' mode to define the result decision table for a questionnaire)
1.4		Michael Lee	● Add has_related_category_selections() operator
1.5		Michael Lee	● Fix bugs in function category_options() ● Add comments all functions and operators ● Chang isEmptyCategory() to is_empty_category() and export it as an operator ● Change generateCategoryString() to generate_category_string() and export it as an operator ● rewrite function category_options() and use contentclassattribute->attribute('content') directly ● Add category_option_simiple_array() function to replace the simple_category_options() function. ● Add thresholds() operator ● Remove simple_category_options() function

Version	Modification Date	Updated By	Comments
			● Fix a bug reported by Linh Vu - bug in object name pattern. Thanks for Linh's help on fixing this bug. ● Add 'description' for ezcategoryselection data type ● Add 'threshold' for ezcategoryselection data type ● Add category_option_array() function ● Implement category filtering with javascript, the 'load category' button is removed and all sub categories can be loaded automatically ● Implement information collector templates ● Change has_related_category_selections() to has_related_category_options() ● Implement 'move up/down' functions for ezcategoryselection options. You can change the order of options for ezcategoryselection.
1.5.1		Michael Lee	● Add checks for array [for ... in] loop, because the ezmultioption data type in eZ publish 3.10 has added some prototype functions for Array object. The added prototype functions will be listed in [for ... in] loop and will cause javascript errors for ezcategoryselection information collection form.
1.5.2	2007/09/13	Michael Lee	● Change the snapshot of "Illustration 1: how to bind categories with ezcategoryselection"
		Michael Lee	● Revised JavaScript to support Internet Explorer 6.x and 7.0 – IE does not support 'display:none' on option element; I have revised the JavaScript code to remove instead of hiding options from the ezcategoryselection select element. When refreshing option list, options will be added back to select element. ● Revised object structure so that 'for ... in' loop will not be used for Array; It also fixed an issue on Internet Explorer because "for ... in" loop on select.options on IE is not working as expected ● Revised category_option_array() template operator so that it includes option_name as well. In the previous release, it only includes option_id and category information
1.6	2007/12/10		● Revised code base to support eZ Publish 4.0 and PHP5
1.6.1	2008/09/17	Michael Lee	● Revise code base to support eZ publish 4.0.1 ● Fix issues in code base to remove the PHP strict errors ○ revised the function definition in ezcategoryselectiontype.php according to its parent class ○ revised some pass-by-references to pass-by-value ○ changed some non-static functions to static functions ○ Changed constants to <CLASS>::const ○ Changed reference to constants to <CLASS>::const ● Fix issues in code base to remove the duplicated variable definitions ● Revised category.tpl to use {foreach} and {if} instead of {section} ● Fixed a bug in category.tpl that may cause empty category dropdown list

Version	Modification Date	Updated By	Comments
1.7			● Revise code base to support eZ Publish 4.3 ● Changed DOM API ● Will not support old eZ Publish releases

Table of Contents

1   Introduction

By default, eZ publish only supports selection data type. But selection data type doesn't relate to each other, which means your selection of one "selection" field won't affect other "selection" fields. Sometimes, you need define dependencies between "selection" fields. For example, you might need define three fields (country, city and area) in a content class and define the dependencies between them. The city field depends on country and area field depends on city field.

ezcategoryselection extension was developed to fulfill such requirements. It allows you to bind one or more categories to options in ezcategoryselection attribute.

The categories may come from:

- selection attributes defined in same content class

- ezcategoryselection attributes defined in same content class

- selection attributes defined in other content class

- ezcategoryselection attributes defined in other content class

The following illustration demonstrates how to bind categories with ezcategoryselection.
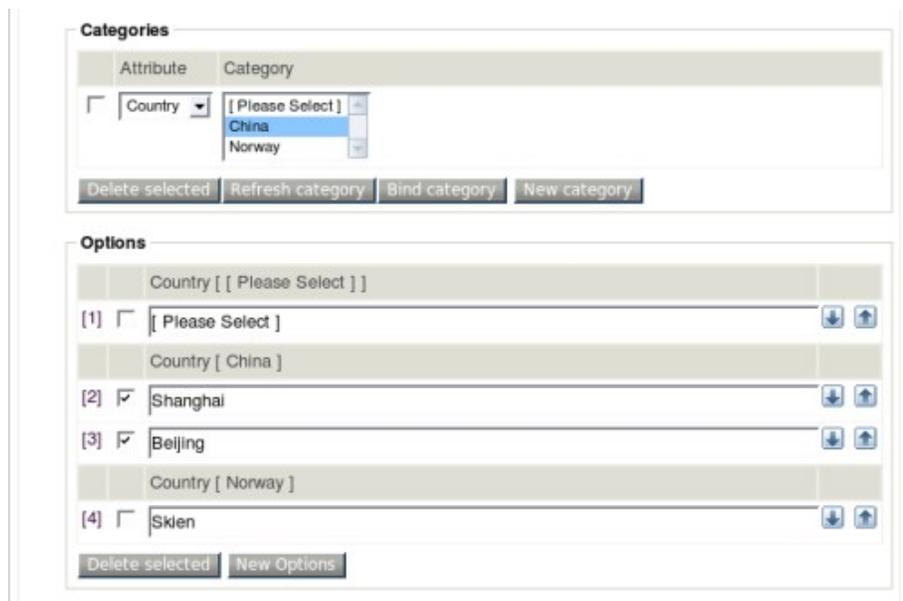

Illustration 2: how to bind categories with ezcategoryselection

You can also bind a combination of categories (category and its values) to a group of options. So that when you edit the content object or its information collection form, after you make a selection for the category selection fields, the corresponding options will be loaded automatically.

For example, you may bind color ['red' | 'black'] and size ['large' | 'medium' | 'small'] to option 1 to option 10 of the 'product' attribute (which is ezcategoryselection data type).

2   License

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3   System requirements

The following requirements exists for using ezcategoryselection extension 1.7:

- eZ publish version: Make sure you use eZ publish version 4.3 or higher.
- PHP version: make sure you have PHP 5.x or higher.

NOTE:

Please note that ezcategoryselection extension 1.7 only works with eZ publish 4.3 or higher

4   Installation

1. Copy the package into the `extension' directory in the root of your eZ publish installation.

2. Unpack the files in the distribution. The command necessary is depends on the file you downloaded.

    o   *[tgz]: $ tar -zxvf ezcategoryselection-extension- 1.7.tgz*

3. We must now enable the extension in eZ publish. To do this, edit site.ini.append(.php) in the folder root_of_ezpublish/settings. If this file does not exist; create it. Locate (or add) the block [ExtensionSettings] and add the line: ActiveExtensions[]=ezcategoryselection

    If you run several sites using only one distribution and only some of the sites should use the extension, make the changes in the override file of that siteaccess.

    E.g root_of_ezpublish/settings/siteaccess/news/site.ini.append(.php) But instead of using ActiveExtensions you must add these lines instead: [ExtensionSettings] ActiveAccessExtensions[]=ezcategoryselection

4. Clean up cache

Note:

Please make sure the following code segment exists in your pagelayout.tpl

```
{foreach ezini( 'JavaScriptSettings', 'JavaScriptList', 'design.ini' ) as $script}

<script language="javascript" type="text/javascript" src={concat( 'javascript/', $script )|
ezdesign}></script>

{/foreach}
```

5 Usage

5.1   Content class editing

The following illustration demonstrates the usage of ezcategoryselection in content class.

Illustration 3: Usage of ezcategoryselection

1. threshold – this field holds an integer which can be used as a threshold for different purposes

2. description – this field holds the description for current ezcategoryselection attribute.

3. cross class – specifying if current ezcategoryselection attribute may be binded to external categories or not. 'No' by default, which means you can only bind categories defined in current content class to this attribute. If you set it to 'Yes', a 'class drop down' list will show up to allow you specify external categories.

> **Note:**
>
> When editing content object or submitting information collection form, external category binds will be ignored and won't affect the visibilities of ezcategoryselection options.

4. attribute drop down list – lists attributes with 'selection' or 'ezcategoryselection' data type

5. category drop down list – lists option values of the selected category attribute in the attribute drop down list.

6. remove selected category – select categories with the check boxes and click on "remove selected" button to remove the selected categories.

7. refresh category – click the "refresh category" button to re-load attribute list and category list.

8. bind category

   1. *select options with its check boxes. (please refer to item 11.)*

   2. *select categories with category check boxes.*

   3. *select category values with category drop down list. (please refer to item 5)*

   4. *click "bind category" to bind selected categories and values to selected options.*

9. new category – click the "new category" button to add a new category. After the category is added, you need click "refresh category" (item 7) to re-load attribute drop down list and category drop down list.

10. option label – display information of the binded categories and values

11. option id - display the system id of each option. Each option has an unique id, the id does not change with the order of each option. So please note option id is different with option index.

12. moving options up/down – click on 'down' or 'up' button to move option down or up in same group.

13. remove selected option – select options with check boxes and click "remove selected" button to remove selected options.

14. new option – click this button to add a new option.

5.2   Content object editing & information collector

When editing content object or submitting information collector form, the options of an ezcategoryselection attribute will be loaded automatically based on the selected options of its categories.

6   Trouble shooting

6.1   FAQ

Q. Is it possible to select multiple values for one category?

A. Yes. Multiple values in one category are in "OR" relation. For example, country ['China' | 'Norway']

Q. Is it possible to bind multiple categories to one option?

A. Yes. Categories binded to one option are in "AND" relation.

For example, color ['red'|'black'|'white'] size ['large'|'medium'|'small']

Q. Is it possible to bind one category twice for one option?

A. Yes. In fact, you can bind one category for multiple times on one option.

The categories are in "AND" relation.

Q. Is it possible to remove category binding for an option?

A. Yes. Just deselect all values on all categories, check the options and click on "bind category" button.

Q. Can I change the order of the category attributes in content class definition?

A. Yes, the category bindings don't depend on the order of the attributes.

Q. Is it possible to define a "blank" or "[Please select]" option?

A. Yes. Just create the "blank" or "[Please select]" option as the first option.

6.2 Support

If you have find any problems not handled by this document or the FAQ, you can contact ZerusTech trough the following email address: michael.lee@zerustech.com

6.3 About us

ZerusTech Ltd is a leading company of visual communication, web development and Content Management System solutions in China. We provide professional visual communication service, eZ Publish based content management system solutions and web development service. Our leading team has over 10 years industry experience. We have delivered successful solutions to our clients in China mainland, China Hong Kong, UK, US, Japan and Singapore.

We are the 1st authorized eZ Publish partner and the 1st authorized silver partner in China.

We are certified professional eZ Publish developers.

7   Appendix

7.1   Glossary

Term	Definition
category	a category is identified by the following items: ● category class – current class or other class ('cross class') ● class attribute – class attribute is either selection or ezcategoryselection data type ● category value – a collection of the options in the class attribute
category class	the content class defines categories. By default, category class is current content class. However, if you enable the 'cross class' mode, you can specify external category class.
category attribute	class attribute is an attribute of the category class. category attribute is either selection or ezcategoryselection data type.
category value	a collection of the options in category attribute

Appendix 1: Glossary

7.2   References

References	Comment
ZerusTech Ltd	www.zerustech.com
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Appendix 2: References

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