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The Drupal module `taxon_taxonomy`

What is Taxon?

Taxon is an Open Source project to automatically classify a text according to a given taxonomy. The resulting metadata can be used as tags on a web page, as metadata in a record management system, as keys in a mail distribution system and many other places.

`taxon_taxonomy`

`taxon_taxonomy` is a Drupal 7 module that enables you to use the Taxon classification system.

It requires Taxon and Taxon Web service to be installed. See www.taxon.dk for more information on Taxon.

Current version

As of 4/7-2014 the version is 2.6.

This version is compatible with Taxon 2.x.

Sponsors

The following changes were sponsored.

- Help texts:
Syddjurs Kommune (www.syddjurs.dk).
- Exclude classes from result:
Syddjurs Kommune (www.syddjurs.dk).
- Auto fill (on page load and save as well as hide Taxon part):
Ishøj Kommune (www.ishoj.dk).
- Option to include breadcrumb in text for Taxon:
Syddjurs Kommune (www.syddjurs.dk).
- Threshold for weight and confidenceCoefficient as well as loop up functionality:
Syddjurs Kommune (www.syddjurs.dk).

Installing the taxon_taxonomy

Get the taxon_taxonomy-X.y.tar.gz (X.y is the version) file from

https://drupal.org/project/taxon_taxonomy.

Enter the module directory on your Drupal 7 installation and unpack the archive with

```
>> tar -zxvf taxon_taxonomy-X.y.tar.gz
```

Remember to enable the module under Modules.

Setting up taxon_taxonomy

Log in to Drupal and go to Configuration/Content Authoring/Taxon Taxonomy.

The machine name of the taxonomy in Drupal

The machine name for the taxonomy in Drupal. The machine name can be found on /admin/structure/taxonomy/ clicking the 'edit vocabulary'.

Lookup taxonomy for Taxon

Enter the full path and name of the lookup taxonomy you wish to use. The taxonomy must be installed on the Taxon system.

The URL for Taxon

Enter the URL for the Taxon Web service.

The number of returned results

Enter the maximum number of results Taxon should return. 0 means all.

The name of the taxonomy field

The name of the field in your administration form where the results from Taxon is added or removed. Use # for ids, e.g. #taxonomy-tag-id and . for classes, e.g. .taxonomy-tag-class.

The path to the selected image

taxon_taxonomy uses some images. Enter the path to the Selected image.

The path to the not-selected image

taxon_taxonomy uses some images. Enter the path to the Not-selected image.

The path to the wait image

taxon_taxonomy uses some images. Enter the path to the Wait image. This is usually a GIF wait icon.

The path to the help image

taxon_taxonomy uses some images. Enter the path to the Help image. This is usually a PNG.

The text on the Taxon button

Enter the text you want on the Taxon button. This can be in any language.

The text on the Taxon button while waiting

Enter the text you want on the Taxon button while waiting for Taxon to return results. This can be in any language.

The id of the title field

The id of the text field of the title including the #. If this is not empty the text in the Title is included in the text send to Taxon.

Include the breadcrumb

The text of the breadcrumb is found and included in the text sent to Taxon. The breadcrumb text is calculated from the menu path of the 'Parent item' drop down box including all the menu item's parents and the 'Menu link title'.

The id of the text field

The id of the text field including the #. This can be both the text field for CKEditor or any textfield, if you are not using CKEditor.

Using CKEditor

Check this if you want to classify text from the CKEditor. CKEditor uses a special technique to handle the text. In order to get the modified text from CKEditor the system needs to know that you are using the CKEditor.

The path to the help texts

taxon_taxonomy can display help texts located on the web server. This is the path from the Drupal base. The help texts must be named as '<classID>.html' where classID> is the ID of the class.

Leave it empty if you don't have any help texts.

Exclude classes from the result

If your taxonomy includes classes that you never want to display in a web context you can enter a comma separated list of class IDs to be excluded. Note that all children/grandchildren etc are

excluded as well.

Automatically fill taxonomy field on editing

If your taxonomy field is empty when the page is opened for editing the module calls Taxon and inserts the result into the taxonomy field. If the taxonomy field holds any content that content is kept.

Automatically fill taxonomy field on saving

If your taxonomy field is empty when the page is saved (pushing the Save button) the module calls Taxon and inserts the result into the taxonomy field. If the taxonomy field holds any content that content is kept.

Time to delay the initial call to Taxon

There are some timing issues when opening the page for editing in connection with the auto fill. If you get a message regarding the absence of the text field, increase this value to 1000 milliseconds or a little more.

Hide the whole Taxon part

If you set the auto fill either for page opening or page save you can hide the whole Taxon part and thereby making the classification operation invisible to the user.

Threshold for weight

You can match the weight of the top class in the result from Taxon against a threshold. If the weight is less than the threshold a message is displayed instead of the result.

Message if threshold for weight is not met

This message is displayed instead of the result if the weight of the top result is less than the threshold.

Threshold for confidenceCoefficient

You can match the confidenceCoefficient of the top class in the result from Taxon against a threshold. If the confidenceCoefficient is less than the threshold a message is displayed instead of the result.

Message if threshold for confidenceCoefficient is not met

This message is displayed instead of the result if the confidenceCoefficient of the top result is less than the threshold.

Loop up Taxon result

If one of the thresholds are not met and there are two or more 3rd classes with a common parent the main class xx.yy.00 is returned. This works for KLE like taxonomies. If you do not know what KLE is just ignore this setting.

That's it! Enjoy Taxon and taxon_taxonomy.