

**Name**    **Filter By External Association Version**  
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## Patch Notes

1.11 : works on tabs

1.9 : Can use other custom layout

1.8 : Adding filter out, cutting empty branch, CSS fix

## Description

Allow you to filter items on a node depending on an association

Important : this filter need to have the search in page activated  
and it only work on indexPage

## Installation

<https://github.com/casewise/cpm/wiki>

## Parameter setup

### DisplayName :

Set the layout javascript class name you want to use to display this node

### Filter In :

Set the id(s) of the node(s) which should be display if the association exists. Splitter character is a ;

### Filter Out:

Set the id(s) of the node(s) which should be display if the association doesn't exists. Splitter character is a ;

### Display if all selected association of an association type :

Element need to have all selected association of an association type to be displayed

### Display if at least one association in all association type :

Element need to have at least one association in all association type to be displayed

### Use Layout :

Set the layout javascript class name you want to use to display this node

### Others Option :

If Use Layout is a custom layout, you can pass custom option by here following this schema =>

Option1:ValueOption1:TypeOption1#Option2:ValueOption2:TypeOption2.....

- if your option is a checkbox, choose TypeOption = 1 and ValueOption = true if it's checked and false if unchecked
- if your option is a text field, choose TypeOption = 0 and ValueOption = your text option

## How to set association filter

### Exemple 1

Here with have the following metamodel

Process level 2 associated with Process level 3

Process level 3 associated with Sites

Process level 3 associated with Application

We want to display the following list :

- Process level 2
  - Process level 3

And be able to display only the Process level 3 that have the association with a chosen Sites or Applications (you can put as much association type you want)

Here is a list with the associations

- Conception Hardware
  - Conception PCB
    - Lyon
    - Altium Designer
    - Office
    - Outlook
    - Windows
  - Conception Schéma Electronique
    - Paris
    - Altium Designer
    - Office
    - Outlook
    - Windows
  - Test sur hardware
    - Lyon
    - Office
    - Outlook
    - Windows
- Conception Software
  - Codage
    - Cambridge
    - Eclipse
    - Office
    - Outlook

- Sublime
- Windows
- Test intégration
  - Londres
  - Eclipse
  - Office
  - Outlook
  - Windows
- Test unitaire
  - Londres
  - Eclipse
  - Office
  - Outlook
  - Windows

The layout configure like this :

Options [cwWebDesignerTreeNodeLayout] - Layout Filter By External Association

Nom du noeud	Layout Filter By External Association
Display Object Hyperlink	<input checked="" type="checkbox"/>
Javascript Class Name	cwFilterByExternalAssociation
Layout Name	filter-by-External-association
Layout ID	
Custom Display String	{name}
Use Layout	cwLayoutList
Filter In	application_20003_337440819;ville_20064_775130272
Display if all selected association of an	<input type="checkbox"/>
Display if at least one association in all	<input type="checkbox"/>

Algorithms

- MPFA
  - Index Pages
    - index\_filter\_by\_contextual\_association\_pays
    - index\_filter\_by\_external\_association\_processus\_niveau\_2
      - Processus-niveau 2
        - Layout Filter By External Association
        - Processus-niveau 2 - Processus-niveau 3 (contient)
          - Layout List (Simple)
            - Processus-niveau 3 - Ville (est fait à)
            - Layout Empty
            - Processus-niveau 3 - Application (utilise)
              - Layout Empty
    - index\_network\_organisations
    - index\_organisations
    - index\_pays
    - index\_testorga
    - index\_testprocess

and here is the result if we select Paris

ville

▼

application

▼

Conception Schéma Electronique

Select All

Deselect All

Paris ✓

Londres

Cambridge

Lyon

ville

▼

application

▼

- Conception Hardware
  - Conception Schéma Electronique
- Conception Software
- Spécification
- Validation
  - Conception Banc de test
  - Création de la procédure de validation

Here we see all the Process level 2 which are in Paris

We can select 1 or more association.(See option to see the behaviour of the list)

ville ▼

application ▼

Select All

Deselect All

Paris ✓

Londres

Cambridge

Lyon ✓

Conception Schéma Electronique

re

Conception Banc de test

Procédure de validation

ville ▼

application ▼

- Conception Hardware
  - Conception PCB
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Here we see all the Process level 2 which are in Paris or(can be modify with option) in Lyon