

**Name**      **cwLayoutNetwork**    **Version**

**Updated by** Mathias PFAUWADEL 3.0

## Patch Notes

- 3.0 : RightClick, Highlight by External, merging (with bigger size) arrow if several associations
- 2.0 : Adding group, icon, Impact, globalFilter, arrow
- 1.0 : 1st version working

## TBD

- SearchText Box
- More Options
- Custom Display String Support
- Add Translations il 8n like Data/Common/il 8n

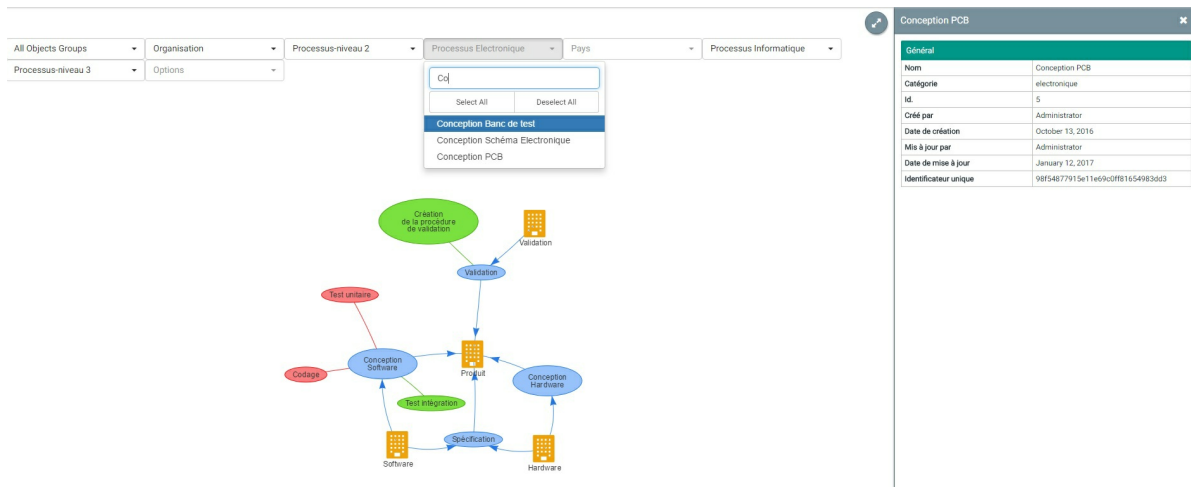
## Description

Allow you to display objects and their associations in a network. The layout provide the same interaction than diagram, simple click for popOUT and double click to go on the objectPage. This layout can be use on IndexPage of ObjectPage.

In case of several association, the layout will display only one edge between node, if arrow are in different way, it will display both. The size of the edge will depend of the number of association.

## Screen Shot

The layout will scan all of your hierarchy tree, and put it in a network.  
You can use filter to choose which item to display



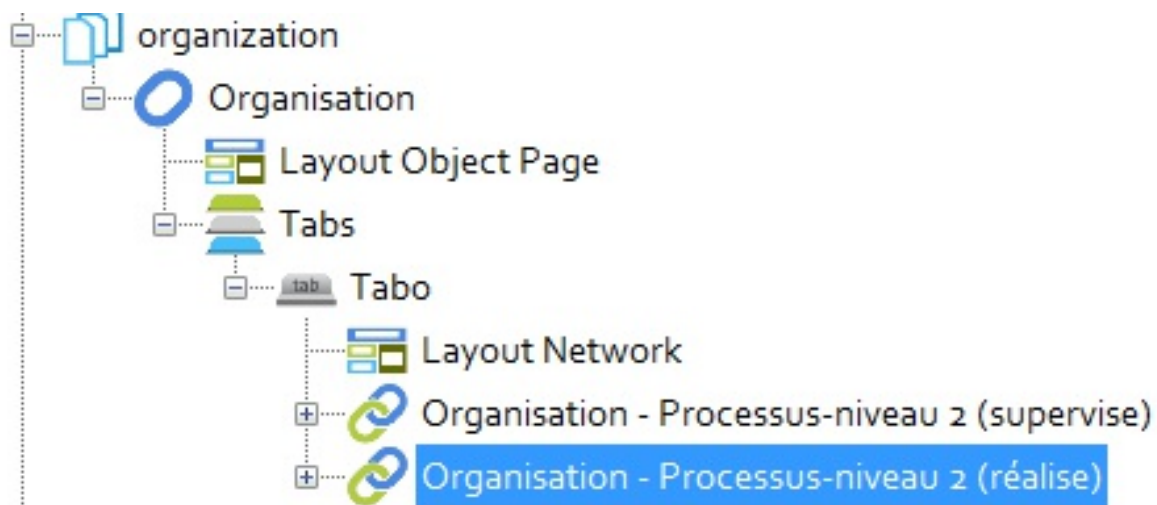
## Node setup

## On indexPage

|   |  |
|---|--|
| index_network_organisations                     |  |
| Organisation                                    |  |
| Layout Network                                  |  |
| Organisation - Processus-niveau 2 (réalise)     |  |
| Layout Empty                                    |  |
| Processus-niveau 2 - Processus-niveau 3 (Elec)  |  |
| Processus-niveau 2 - Processus-niveau 3 (Info)  |  |
| Processus-niveau 2 - Processus-niveau 3 (Other) |  |
| Organisation - Processus-niveau 2 (supervise)   |  |
| Layout List (Simple)                            |  |
| Processus-niveau 2 - Processus-niveau 3 (Elec)  |  |
| Processus-niveau 2 - Processus-niveau 3 (Info)  |  |
| Processus-niveau 2 - Processus-niveau 3 (Other) |  |
| Organisation - Ville (est dedans)               |  |
| Layout List (Simple)                            |  |
| Ville - Pays (appartient)                       |  |

|                       |  |
|-----------------------|--|
| Layout Name           | Network  |
| Layout ID             |  |
| Custom Display String |  |
| Hidden Nodes          | ville_20062_279036700  |
| popOut List           | macroprocess,macroprocess_diagram_popout#ville,ville_diagram_popout#microprocess,microprocess_diagram_popout   |
| Specific Group List   | processus_niveau_3_20004_410243396,Processus Electronique#processus_niveau_3_20004_2025026472,Processus Inform |
| Assign Icon to Group  | Organisation,foad,#foa30a  |
| Arrow Direction       | processus_niveau_2_20006_883051288,'to'#processus_niveau_2_20005_1079817132,'from'                             |

## On ObjectPage With the Object of the object Page on the network



The network layout should be use alone in a view.

## Options

### Hidden Nodes :

Set the ID of the nodes you don't want to appear in the tree, the children will be display instead. (Can be use for application flux See exemples below)

### popOutList :

List the popOut that you want to be used.

(ex:scriptname1,popOutName1#scriptname2,popOutName2)

|                       |  |
|-----------------------|--|
| Layout Name           | Network  |
| Layout ID             |  |
| Custom Display String |  |
| Hidden Nodes          | ville_20062_279036700  |
| popOut List           | macroprocess,macroprocess_diagram_popout#ville,ville_diagram_popout#microprocessus,microprocessus_diagram_popout     |
| Specific Group List   | processus_niveau_3_20004_410243396,Processus Electronique#processus_niveau_3_20004_2025026472,Processus Informatique |
| Assign Icon to Group  | Organisation,f1ad,#f0a30a  |
| Arrow Direction       | processus_niveau_2_20006_883051288,'to'#processus_niveau_2_20005_1079817132,'from'                                   |

Diagram Popouts

- macroprocess\_diagram\_popout
- microprocessus\_diagram\_popout
- pays\_diagram\_popout
- ville\_diagram\_popout

## Specific Group List :

Group are the different filter box of the network, by default object are sort in to different group by scriptname (name of the group is the name of the objectype).

If you want objects of a node to be in a different group use this option :

NodeID,GroupName#NodeID2,GroupName2#

(ex:processus\_niveau\_3\_20004\_410243396,Processus

Electronique#processus\_niveau\_3\_20004\_2025026472,Processus Informatique)

PS : If an object is present twice in the JSON object, one time in a group and one time in another group, it will be display twice in the network.

## Group To Select On Start

List the groups you want to display when the network is started. Use comma separator

## Assign Icon to Group :

You can assign a FontAwesome Icon to a group.(go to this website to find the code

<http://fontawesome.io/icons/>) Use

NameGroup,FontAwesomeUnicode,color||NameGroup2,FontAwesomeUnicode2,color2. For exemple, Organisation,f1ad,#f0a30a

fa-clone  · Unicode: f24d · Created: v4.4 · Categories: Web Application Icons

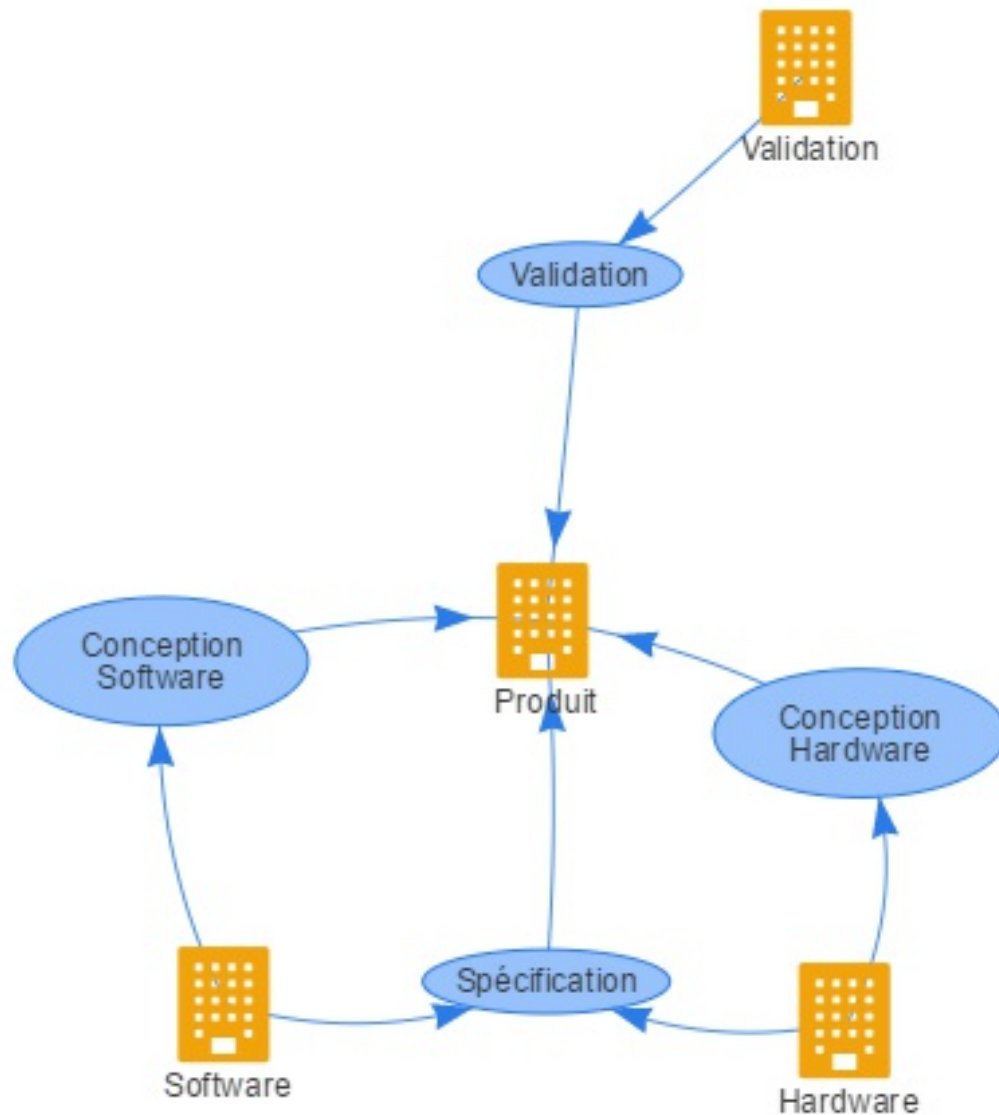
## Arrow Direction :

Select the direction of each node. For exemple,

processus\_niveau\_2\_20006\_883051288,'to'#processus\_niveau\_2\_20005\_1079817132,'from'

Use to, if you want the arrow that arrive to this node.

Use from, if you want the arrow to leave from this node.



## Filter Node :

Select Evolve Nodes that will be use to filter your nodes.

nodeID:Label of the filter

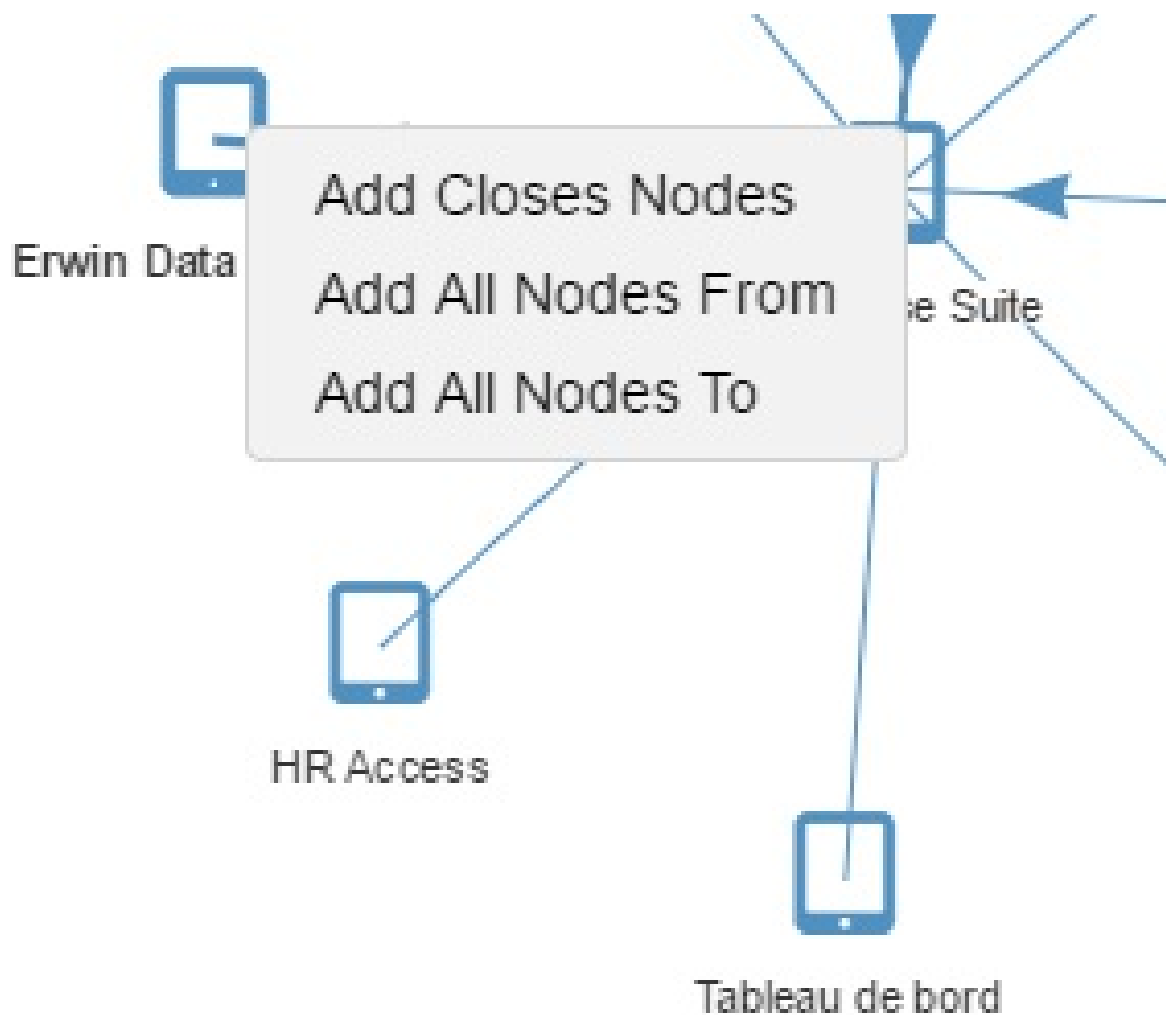
For exemple : entite\_20022\_1066555881:Entity Filter

(Can be use for application flux See exemples below)

PS : the filter node should always be in first

## RightClick Action

You can rightClick on a node to display :



### **Add Closes Nodes**

This will add on the network, the node that are connected to the selected node

### **Add All Nodes From**

This will add on the network, the node that have a path (even indirect) that leave from the selected Node

### **Add All Nodes To**

This will add on the network, the node that have a path (even indirect) that go in the selected Node

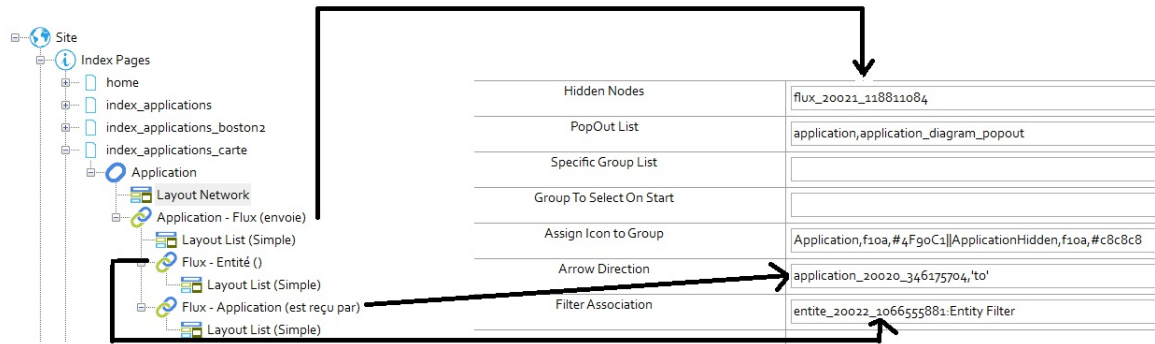
## **Application Map**

Here we have the following metamodel :

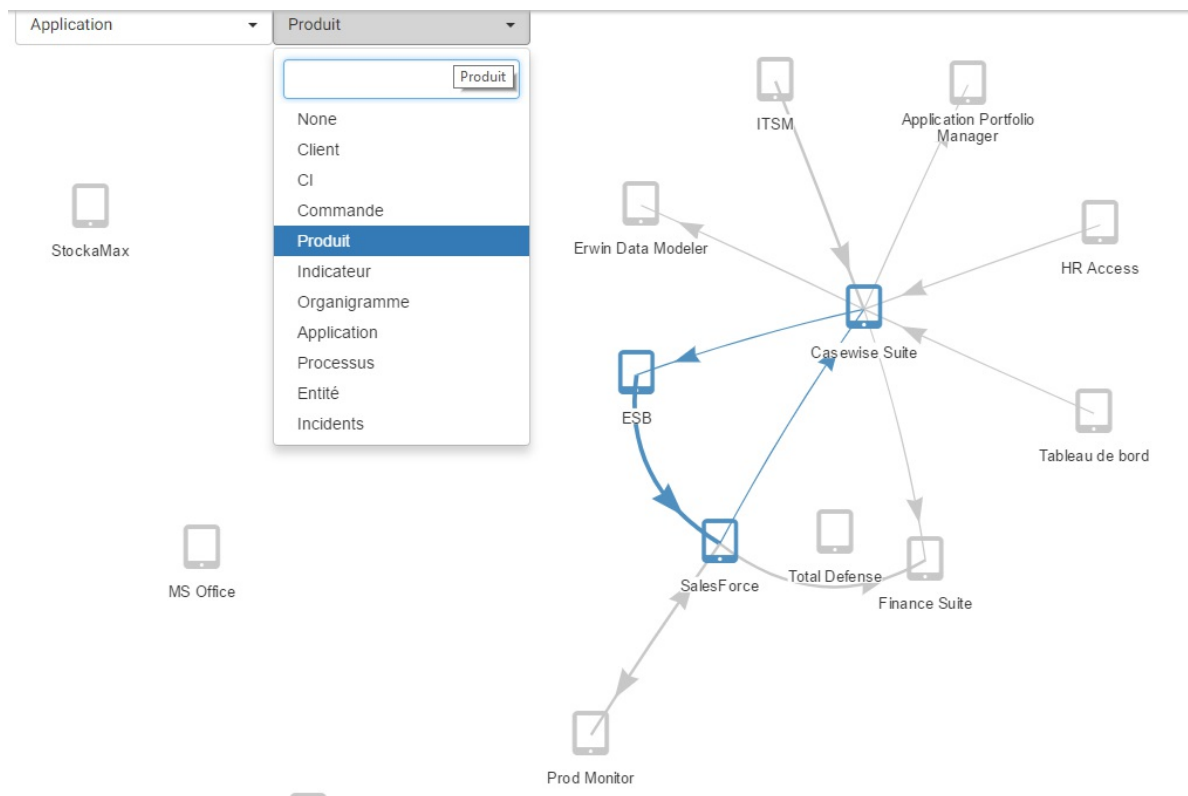
Application connected to flux connected to Application  
and flux connected to Entity

On the network, we want to display the Application and display the flux as arrow (depending if the flux is emit or receive)

For that, we use the following configuration :



ApplicationHidden correspond to the icon and the colour that the unhighlighted node will take.



You can now go in the Entity Filter and highlight only the node that are connected to a flux that use the selected entity.

PS : if you selected an entity, and all the node connected to the entity are not on the network yet, the entity will add them

## Organisation Map

Organisation

Royaume-Uni

Royaume-Uni

None

Royaume-Uni

France

Etats-Unis

