

How to use « scan2map.py »

Creation of the tree structure

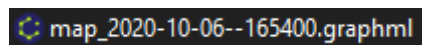
First of all, you have to launch the program from a CLI (CMD under Windows, Shell under Unix) by typing this line: `python scan2map.py "absolute_path_root".`

When the mapping is done, a message will appear: `Mapping complete`

Display of the tree structure

A file will be generated in an XML format (structured) with a .graphml extension.

Open the file starting with "map_date--time.graphml", as below:

 map_2020-10-06--165400.graphml

You can read it with the free open source software "yEd Graph Editor", available at this address:
<https://www.yworks.com/downloads>

Changing the tree viewer


Go to Layout > Hierarchical, tab General : Orientation => Top to Bottom ; tab Labeling : check the box "Consider Node Labels". Press OK.

/ ! \ WARNING : after exporting the graph from the script, an edge is not in the right direction, it is always the one that represents the relationship between the root folder and the first child. To reverse this relationship, select the edge and right click, then click on "Properties". Next, reverse the "Source Arrow" and "Target Arrow" shapes then click OK.

Finally, redo the previous manipulation, to display the graph properly again.


How to display node labels

Create a configuration by clicking on Edit > Properties Mapper...

Add a new configuration by pressing  and set up the configuration as shown in the picture below :

Selected Configuration

Name

Template ☒ None ☐ Single  ☐ Multiple

Mappings ☐ Act On Selection Only

Data Source	Map To	Conversion
label	Label Text	Automatic

Selected Mapping

Map To Label No. Fit Node to Label ☒


Conversion Details (label -> Label Text)

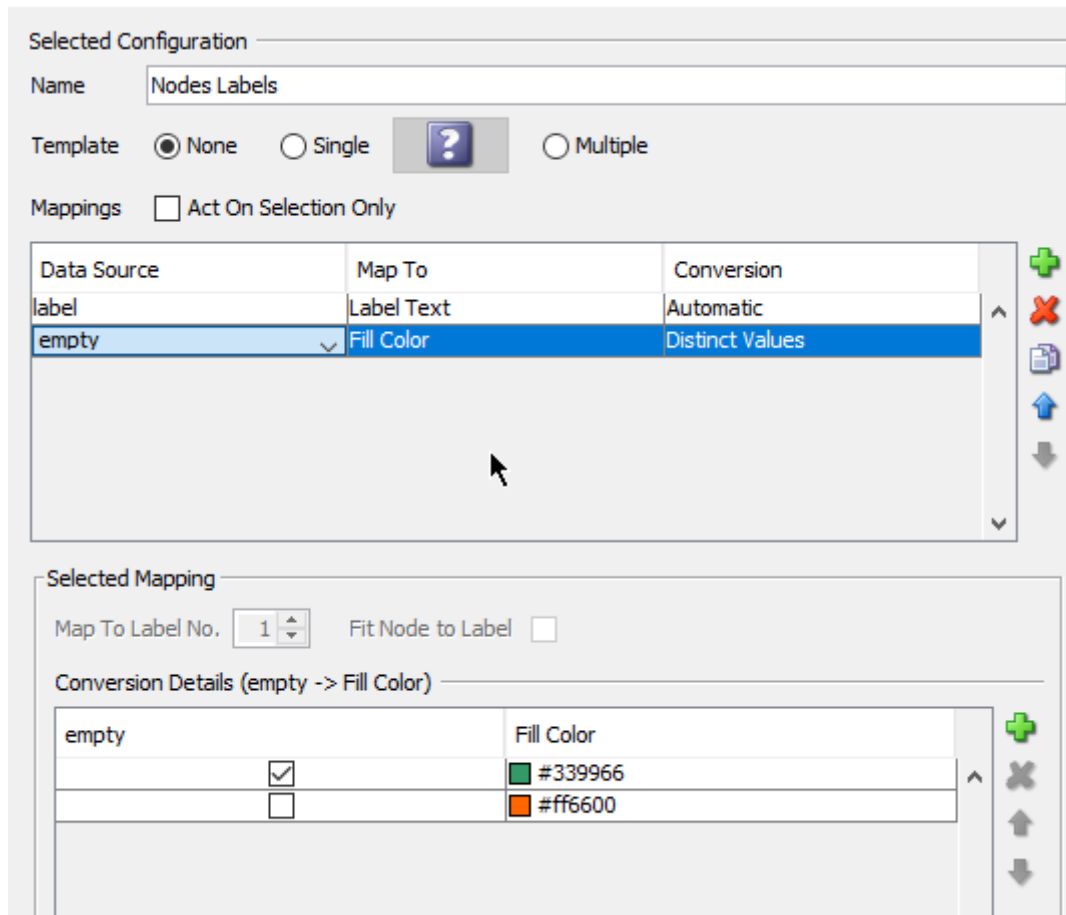
The selected conversion requires no configuration.

Press OK.

How to display empty nodes


Create a configuration by clicking on Edit > Properties Mapper...

Add a new configuration by pressing  and set up the configuration as shown in the picture below :



Selected Configuration

Name

Template ☒ None ☐ Single  ☐ Multiple



Mappings ☐ Act On Selection Only

Data Source	Map To	Conversion
label	Label Text	Automatic
empty	Fill Color	Distinct Values

Selected Mapping

Map To Label No. Fit Node to Label ☐

Conversion Details (empty -> Fill Color)


	Fill Color
<input checked="" type="checkbox"/>	 #339966
<input type="checkbox"/>	 #ff6600

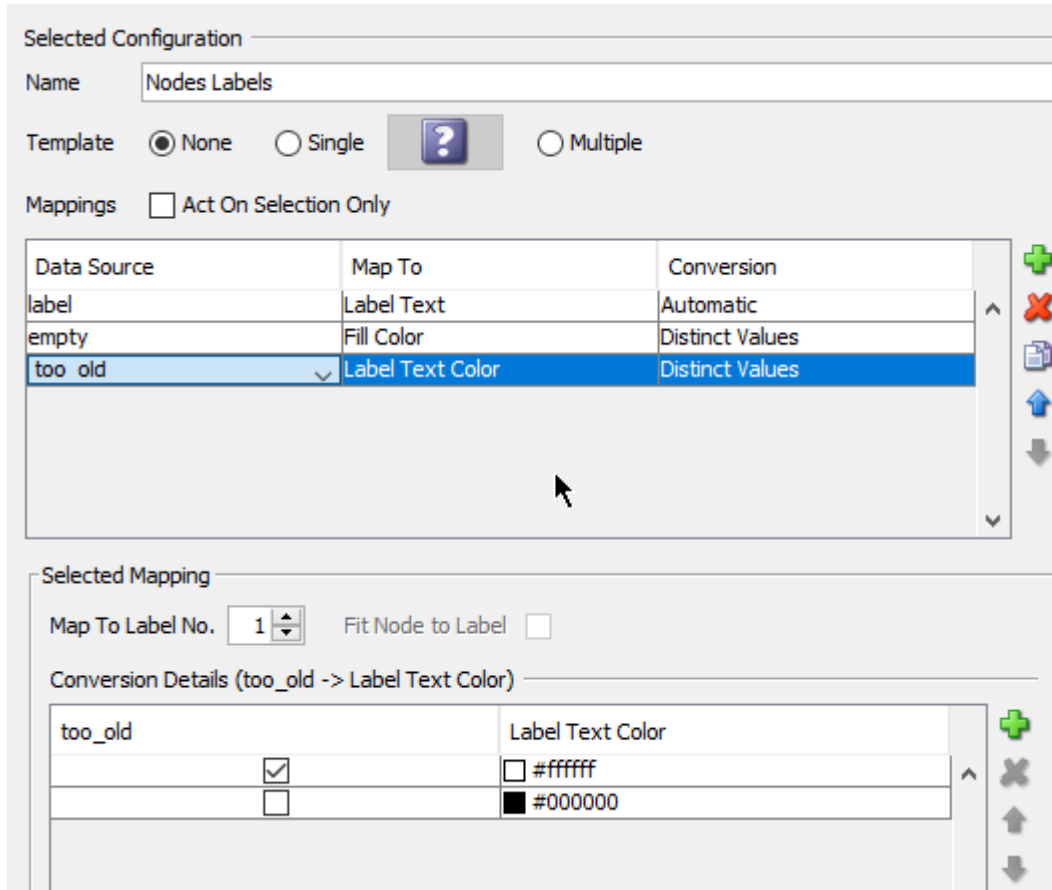
Add some filling colors by clicking on the bottom  and check the first box, while assigning a filling color for the empty folders. You could assign a filling color to others too.

Press OK.

How to display nodes which have not been accessed since 1 year

Create a configuration by clicking on Edit > Properties Mapper...

Add a new configuration by pressing  and set up the configuration as shown in the picture below :



Selected Configuration

Name

Template ☒ None ☐ Single ☐ ? ☐ Multiple

Mappings ☒ Act On Selection Only


Data Source	Map To	Conversion
label	Label Text	Automatic
empty	Fill Color	Distinct Values
too_old	Label Text Color	Distinct Values

Selected Mapping

Map To Label No. Fit Node to Label ☐

Conversion Details (too_old -> Label Text Color)

too_old	Label Text Color
<input checked="" type="checkbox"/>	<input type="text" value="#ffffff"/>
<input type="checkbox"/>	<input type="text" value="#000000"/>

Add some text labelling colors by clicking on the bottom  and check the first box, while assigning a text labelling color to older folders. You could assign a text labelling color to others too.

Press OK.