

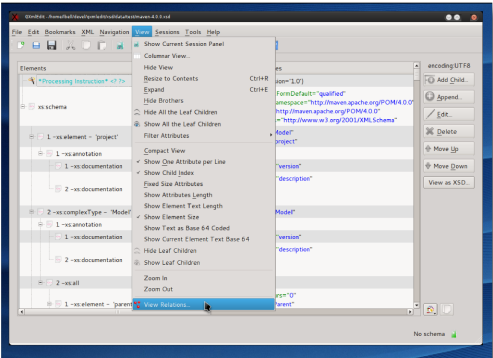
View relations between elements with QXmlEdit



Looking at the internal relations of a XML file

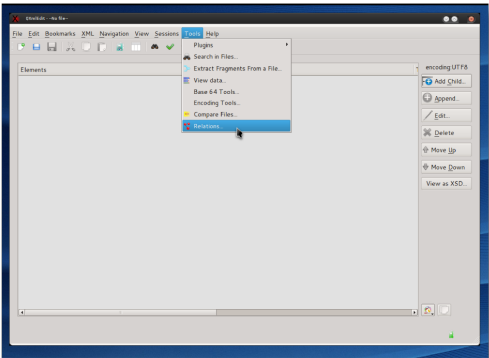
Often, while browsing a complex XML file, it can be difficult to know how the elements are linked and their relative proportions and numerosity. With QXmlEdit it is possible to view graphically the data representation and analyze the raw numbers.

Open the panel using one of these options



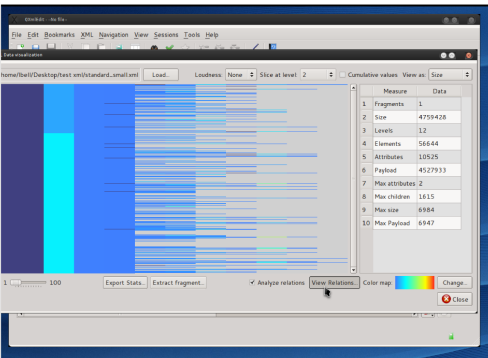
A - View the current edited file

- 1- Edit a file.
- 2- Choose the menu item "Relations" from the View menu.



B - View another file of your choice

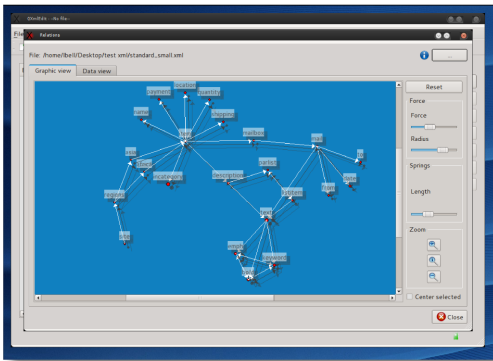
- 1- Choose the "Relations..." item from the "Tools" menu.
- 2- When the panel opens, use the browse button to load a file or drop in a file.



C - View from the map display

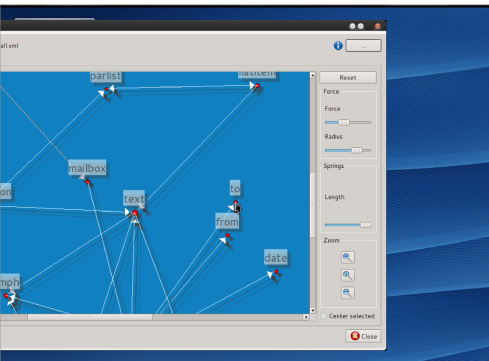
- 1 - From the Tools menu, choose the View Map item
- 2- before loading any file, check the the "Analyze relations" option
- 3- After loading the file, operate the "View Relations..." button.

View the data with these operations



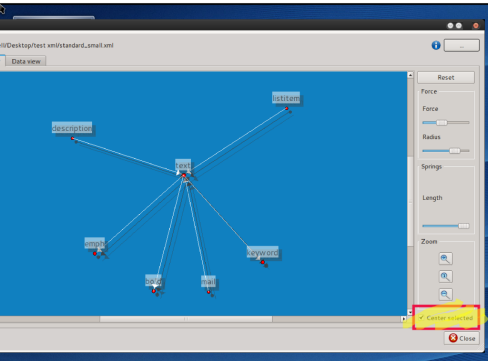
1 View the structure

The panel shows the relations between elements. Each circle represent an XML element. The lines show a relationship between element types. To evenly distribute the elements on the view area, each element is repelling the others, the nodes are connected by simulated springs.



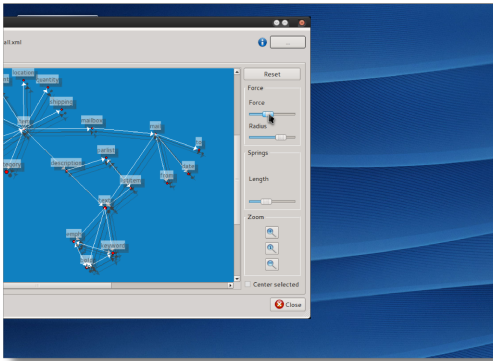
2 Move the items with mouse

The elements can be dragged with the mouse causing the movement of the other elements until reaching a new equilibrium point. Zoom controls can modify the view. Each time the "Reset" button is pressed, a new initial casual combination is generated and the elements move themselves to reach a new equilibrium point.



3 Isolate a single element

Checking the "Center Selected" option, hides all the elements that are not directly connected with the selected element. By clicking on one node, you can filter the display of nodes showing only the data related to the selected element.



4 Change settings

The intensity of the repulsive force can be changed using the "Force" slider. The effective distance that the force can act can be set using the "Radius" slider. The lenght of the lines connecting elements can be regulated using the "Spring" slider.

	Node	Count	Percent	incoming Link	incoming Link	africa	asia	bold	date	escriptic	emph	from	ncategory	item	keyword	listitem	location	m
1	africa	1	0.0018 %	1	550									550				
2	asia	1	0.0018 %	1	1615									1615				
3	bold	4235	7.5 %	4235	466					217					249			
4	date	2114	3.8 %	2114	0													
5	Description	2165	3.8 %	2165	2165													
6	emph	4132	7.3 %	4132	464		241									243		
7	from	2114	3.7 %	2114	0													
8	ncategory	8133	14 %	8133	0													
9	item	2165	3.8 %	2165	23268					2165							2165	
10	keyword	4167	7.4 %	4167	452		234			2165	218							
11	listitem	2959	5.2 %	2959	2959													
12	location	2165	3.8 %	2165	0													
13	mail	2114	3.7 %	2114	6456				2114			2114						
14	mailbox	2165	3.8 %	2165	2114													2114
15	name	2165	3.8 %	2165	0													
16	parist	1022	1.8 %	1022	2959											2959		
17	payment	2165	3.8 %	2165	0													

5 View tabular data

The numeric data can be seen in the "Data View" tab. Each element on the rows show its absolute and relative count and the references that imade to any other element.