

PoolParty GraphEditor



Beyond ontologies and taxonomies, being able to manage data that is built upon them, becomes key in an increasing number of use cases. May it be the results of data integration from different relational databases, data in your graph based search index that should be curated, or setting up an editor, for managing your semantic master data from scratch.

The PoolParty GraphEditor allows data scientists and domain experts to build and manage data graphs. It seamlessly integrates into the PoolParty interface on a project level. This way you can easily connect and manage data in connected graph databases.

The GraphEditor is driven by ontologies developed in the **Ontology Management** of PoolParty through custom schemes. That way it can be adapted easily just by changing the underlying ontology. This allows an agile data management approach that can also be used by subject matter experts. **Taxonomies** can be used within the GraphEditor as controlled values, thus managing the data becomes easy and the strings-to-things paradigm of semantic technologies is supported. Defining multiple editors per project allows to have different views on one knowledge graph as well as connecting to different knowledge graphs within one project.

The screenshot displays the PoolParty GraphEditor interface. The top navigation bar includes 'PROJECT', 'CORPORA', 'TOOLS', and 'ADVANCED', along with a search bar for 'Search Thesaurus Concepts'. The left sidebar shows a tree view of project elements: 'Postmodern Architecture', 'Building types (12)', 'Geonames Thesaurus (4)', 'Lists', 'Collections', 'GraphEditors', and 'Buildings Editor' (selected). The main area is titled 'Buildings Editor' and shows a search query: 'Class prefLabel floorCount designedBy hasBuildingT...'. The search results are displayed in a table with columns for 'Class', 'prefLabel', 'floorCount', and 'designedBy'. The results list several buildings, including 'Margot and Bill Winspear ...', 'Leslie Dan Faculty of Pha...', 'CityCenterDC', '30 St Mary Axe', 'Willis Building', and 'City Hall, London', all designed by 'Norman Foster'.

Class	prefLabel	floorCount	designedBy
Building	Margot and Bill Winspear ...		Norman Foster
Building	Leslie Dan Faculty of Pha...		Norman Foster
Building	CityCenterDC		Norman Foster
Building	30 St Mary Axe		Norman Foster
Building	Willis Building		Norman Foster
Building	City Hall, London		Norman Foster

A visual query builder allows to define complex SPARQL queries based on the underlying knowledge graph by way of the respective ontologies. That way an almost natural language query builder is in place that can be used without any knowledge of SPARQL. Individual instances of the knowledge graph can be hooked into the tree to manage all predicates (relations and attributes). Additionally, selecting all or multiple instances in the tabular view of the GraphEditor allows to perform batch editing on top of them.