

# metaphactory Search Components - An Overview



Parameter	Keyword search	Keyword search featuring type-based disambiguation	Structured search	Constant search	Form-based search	Simple search component
<b>Ease of configuration</b>	 <b>High</b> Works mostly out-of-the-box, but requires the selection of a result visualization.	 <b>High</b> Declaration of categories (types) and of the result visualization are required.	 <b>Low</b> The main target domains and the relations between them must be provided as a config. In the near future, this will be auto-suggested from the underlying ontology. Additionally, the result visualization must be specified.	 <b>High</b> The select query needs to be provided and the result visualization must be specified.	 <b>Medium</b> The target domain and other constraints can be provided in the configuration.	 <b>Maximum</b> Works out-of-the-box, incl. default result visualization.
<b>Ease of providing a search query</b>	 <b>High</b> The end user types in a keyword to produce exact matches in the data, e.g., "Alzheimer".	 <b>High</b> The end user types in a keyword to produce exact matches in the data, e.g., "ap2a2", then selects a category.	 <b>Low</b> The end user selects a target domain and drills down to the results by defining relations of interest, e.g., medication used for treating Alzheimer's.	 <b>Maximum</b> The user does not need to provide any query. The query is entirely hard-coded.	 <b>Medium</b> The user fills out the predefined form fields.	 <b>High</b> The end user types in a keyword to produce exact matches in the data, e.g., "Alzheimer".
<b>Level of query control</b>	 <b>Low</b> Results are delivered only based on keywords matches.	 <b>Medium</b> Results are delivered based on keyword matches and by selecting a resource type.	 <b>Maximum</b> Concepts and relations from the ontology can be specified together with keywords and AND/OR logic.	 <b>High</b> The full power of SPARQL select query can be utilized, but the query is fully pre-configured.	 <b>Maximum</b> The full power of SPARQL select query can be utilized; the query can be influenced based on provided form fields (mostly keyword matches).	 <b>Low</b> Results are delivered only based on keywords matches.
<b>Capabilities for refining search results</b>	 <b>Medium</b> Facets can be applied to filter search results.  Additionally, the end user can add keywords to refine the search.	 <b>High</b> Facets can be applied to filter search results.  Type restrictions are possible.  Additional keywords can be specified.	 <b>Maximum</b> The end user visually constructs the query piece by piece and can include AND / OR relations as needed.  Facets can be applied to filter search results.	 <b>Medium</b> No control over the query.  Facets can be applied to filter search results.	 <b>High</b> The end user can influence the parameters of the query, but not the query itself.  Facets can be applied to filter search results.	 <b>Low</b> Auto-suggestions direct the end user to select a single resource from the drop-down.  The end user can add keywords to refine the search.
<b>Composability</b>	 <b>Medium</b> Facets are available.  A wide range of result visualizations is available: table, chart, map, graph, etc.	 <b>Medium</b> Facets are available.  A wide range of result visualizations is available: table, chart, map, graph, etc.	 <b>High</b> Autosuggest, value select and tree select, as well as map selector and date selector are available.  Facets are available.  A wide range of result visualizations is available: table, chart, map, graph, etc.	 <b>Medium</b> Facets are available.  A wide range of result visualizations is available: table, chart, map, graph, etc.	 <b>Maximum</b> Options to use autosuggest, value select or tree select fields, as well as dependencies between fields.  Facets are available.  A wide range of result visualizations is available: table, chart, map, graph, etc.	 <b>Low</b> Results are only a list of items in a drop-down.