

Part I

Sparql Endpoint :

<https://sparql.proconsortium.org/virtuoso/>

1 Graphs research

1.1 Queries for graphs and results

graph all_graphs_included.sparql : 1 results

graph graphs_with_a_triple_min.sparql : 32 results

graph graphs_with_rdf_type.sparql : 26 results

The graphs_with_a_triple_min.sparql returns more results (32)

1.2 List of graphs selected

graph 1 - <http://www.openlinksw.com/schemas/virtrdf#>

graph 2 - b3sifp

graph 3 - <http://purl.obolibrary.org/obo/pr>

graph 4 - <http://www.w3.org/2002/07/owl#>

graph 5 - <http://www.w3.org/ns/r2rml#OVL>

graph 6 - <http://www.openlinksw.com/schemas/oplweb#>

graph 7 - <http://pir.georgetown.edu/pro/paf>

graph 8 - <https://lod.proconsortium.org/uniprotkb-exactMatch>

graph 9 - <https://lod.proconsortium.org/uniprotkb-closeMatch>

graph 10 - <https://lod.proconsortium.org/hgnc-closeMatch>

graph 11 - <https://lod.proconsortium.org/mgi-closeMatch>

graph 12 - <https://lod.proconsortium.org/rgd-closeMatch>

graph 13 - <https://lod.proconsortium.org/ncbigene-closeMatch>

graph 14 - <https://lod.proconsortium.org/sgd-closeMatch>

graph 15 - <https://lod.proconsortium.org/wormbase-closeMatch>

graph 16 - <https://lod.proconsortium.org/ensembl-closeMatch>

graph 17 - <https://lod.proconsortium.org/reactome-closeMatch>

graph 18 - <https://lod.proconsortium.org/uniprotkbvar-exactMatch>

graph 19 - <https://lod.proconsortium.org/reactome-exactMatch>

graph 20 - <https://lod.proconsortium.org/uniprotkbvar-closeMatch>

graph 21 - <https://lod.proconsortium.org/ensemblbacteria-closeMatch>

graph 22 - https://proconsortium.org/pr_extra

graph 23 - <http://localhost:8890/DAV/>
graph 24 - <http://localhost:8890/sparql>
graph 25 - <https://sparql.proconsortium.org/.well-known/void>
graph 26 - `virtrdf-label`
graph 27 - <http://www.w3.org/ns/ldp#>
graph 28 - `facets`
graph 29 - `virtrdf-url`
graph 30 - `b3sonto`
graph 31 - `urn:rules.skos`
graph 32 - `urn:activitystreams-owl:map`

2 Querying <https://sparql.proconsortium.org/virtuoso/sparql>

2.1 Results by query

Query class.sparql - distinct results : 40092

Query property.sparql - distinct results : 476

Query label_class.sparql - distinct results : 39221

Query label_property.sparql - distinct results : 205

Query subclass.sparql - distinct results : 0

Query subproperty.sparql - distinct results : 5

Query property_domain.sparql - distinct results : 312

Query property_range.sparql - distinct results : 200

Query indi_range_property.sparql - distinct results : 321

Query indi_domain_property.sparql - distinct results : 848

Query entity_type.sparql - distinct results : 58232

Total of unique results found 139912 on <https://sparql.proconsortium.org/virtuoso/sparql>

2.2 Error Log

- Error on graph <http://www.openlinksw.com/schemas/virtrdf#> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph b3sifp query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <http://purl.obolibrary.org/obo/pr> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <http://www.w3.org/2002/07/owl#> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646

(sec) exceeds the limit of 400 (sec)

- Error on graph <http://www.w3.org/ns/r2rml#OVL> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <http://www.openlinksw.com/schemas/oplweb#> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <http://pir.georgetown.edu/pro/paf> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/uniprotkb-exactMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/uniprotkb-closeMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/hgnc-closeMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/mgi-closeMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/rgd-closeMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/ncbigene-closeMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/sgd-closeMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/wormbase-closeMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/ensembl-closeMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/reactome-closeMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/uniprotkbvar-exactMatch> query/subclass.sparql : EndPointInternalError: The endpoint returned

the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/reactome-exactMatch query/subclass.sparql> : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/uniprotkbvar-closeMatch query/subclass.sparql> : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <https://lod.proconsortium.org/ensemblbacteria-closeMatch query/subclass.sparql> : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph https://proconsortium.org/pr_extra query/subclass.sparql : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <http://localhost:8890/DAV/ query/subclass.sparql> : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph <http://localhost:8890/sparql query/subclass.sparql> : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Error on graph [https://sparql.proconsortium.org/.well-known/void query/subclass.sparql](https://sparql.proconsortium.org/.well-known/void/query/subclass.sparql) : EndPointInternalError: The endpoint returned the HTTP status code 500
Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)
- Error on graph [virttrdf-label query/subclass.sparql](#) : EndPointInternalError: The endpoint returned the HTTP status code 500
Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)
- Error on graph <http://www.w3.org/ns/ldp# query/subclass.sparql> : EndPointInternalError: The endpoint returned the HTTP status code 500
Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)
- Error on graph [facets query/subclass.sparql](#) : EndPointInternalError: The endpoint returned the HTTP status code 500
Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)
- Error on graph [virttrdf-url query/subclass.sparql](#) : EndPointInternalError: The endpoint returned the HTTP status code 500
Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)
- Error on graph [b3sonto query/subclass.sparql](#) : EndPointInternalError: The endpoint returned the HTTP status code 500
Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)
- Error on graph [urn:rules.skos query/subclass.sparql](#) : EndPointInternalError: The endpoint returned the HTTP status code 500
Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)
- Error on graph [urn:activitystreams-owl:map query/subclass.sparql](#) : EndPointInternalError: The endpoint returned the HTTP status code 500

Response: b'Virtuoso 42000 Error The estimated execution time 225646 (sec) exceeds the limit of 400 (sec)

- Number of errors : 32

3 Process before indexation

3.1 JSON results conversion after distinct operation

All string results were converted into valid json results

4 Partition in separated queries

The volume of 139912 results does not need query partition

5 Elastic Search Indexation

Index 'class' already exists and will be completed

Storing 40092 results in index 'class' took 8.235 secs

Index 'property' already exists and will be completed

Storing 476 results in index 'property' took 0.062 secs

Index 'label_class' already exists and will be completed

Storing 39221 results in index 'label_class' took 10.674 secs

Index 'label_property' already exists and will be completed

Storing 205 results in index 'label_property' took 0.028 secs

Index 'subproperty' already exists and will be completed

Storing 5 results in index 'subproperty' took 0.031 secs

Index 'property_domain' already exists and will be completed

Storing 312 results in index 'property_domain' took 0.047 secs

Index 'property_range' already exists and will be completed

Storing 200 results in index 'property_range' took 0.047 secs

Index 'indi_range_property' already exists and will be completed

Storing 321 results in index 'indi_range_property' took 0.053 secs

Index 'indi_domain_property' already exists and will be completed

Storing 848 results in index 'indi_domain_property' took 1.053 secs

Index 'entity_type' already exists and will be completed

Storing 58232 results in index 'entity_type' took 31.094 secs

6 Getting results and indexing times

Getting results for <https://sparql.proconsortium.org/virtuoso/sparql> took 4 min (288.031 secs)

Indexation for <https://sparql.proconsortium.org/virtuoso/sparql> took 1 min (63.329 secs)