

## Querying Feedback Service repositories

To access and execute a query in a repository in RDF4J server, following information (taken from <https://rdf4j.org/documentation/reference/rest-api/>) can be used. A construct query example is given below as well.

Additionally, **“SmartMaaS – Feedback Service” postman collection** contains predefined requests which can be used to retrieve repositories, execute queries, add prefixes and etc.

**<RDF4J\_URL>**: denotes the location of RDF4J server, e.g. <http://localhost:8090/rdf4j>

**<REP\_ID>**: denotes the ID of a repository, e.g. *feedback\_repository*

*The SPARQL endpoint of “feedback\_repository” for Feedback Service project is “[http://localhost:8090/rdf4j/repositories/feedback\\_repository](http://localhost:8090/rdf4j/repositories/feedback_repository)”.*

*Below picture from - <https://rdf4j.org/documentation/reference/rest-api/>*

```
<RDF4J_URL>
  /protocol      : protocol version (GET)
  /repositories  : overview of available repositories (GET)
    /<REP_ID>    : query evaluation and administration tasks on a repository
                  (GET/POST/PUT/DELETE)
    /config      : repository configuration (GET/POST)
    /statements  : repository statements (GET/POST/PUT/DELETE)
    /contexts    : context overview (GET)
    /size        : # statements in repository (GET)
    /rdf-graphs  : named graphs overview (GET)
      /service   : SPARQL Graph Store operations on indirectly referenced named
                  graphs in repository (GET/PUT/POST/DELETE)
      /<NAME>    : SPARQL Graph Store operations on directly referenced named
                  graphs in repository (GET/PUT/POST/DELETE)
  /namespaces    : overview of namespace definitions (GET/DELETE)
    /<PREFIX>    : namespace-prefix definition (GET/PUT/DELETE)
  /transactions  : starting point for creating transactions on the current repository (POST)
    /<TXN_ID>    : a specific transaction which can be updated (PUT/DELETE)
```

A construct query can be sent to the repository as following:

**Method:** POST

**URL:** [http://localhost:8090/rdf4j/repositories/feedback\\_repository](http://localhost:8090/rdf4j/repositories/feedback_repository)

**Content-type:** application/sparql-query

**Accept:** application/rdf+xml

**Body:** construct {?s ?p ?o} where {?s ?p ?o}

Please, refer to “**SmartMaaS – Feedback Service**” Postman Collection for more examples.