



Linux Ubuntu 26.04 Manual Pages on command 'tinysparql-query.1'

\$ man tinysparql-query.1

TINYSPARQL-QUERY(1)

TinySPARQL manual

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NAME

tinysparql-query - Query to SPARQL endpoints.

SYNOPSIS

```
tinysparql query [(-d |--database) <file> | (-b | --dbus-service) <busname> | (-r | --remote-service) <url>]
                (-f | --file) <file>] [(-u | --update)] [-a <parameter>:<value>]... [SPARQL]
```

DESCRIPTION

This command allows running queries or updates on a SPARQL endpoint.

When the caller runs a query, the query is in the SPARQL language. This can be done two ways. Either by providing a file with the query or by providing a string with the sparql query.

The file argument can be either a local path or a URI. It also does not have to be an absolute path.

OPTIONS

-b, --dbus-service=<service_name>

Connects to a SPARQL endpoint at a D-Bus name.

-d, --database-path=<database_path>

Connects to a database by location in the filesystem.

-r, --remote-service=<url>

Connects to a HTTP SPARQL endpoint.

-f, --file=<file>

Use a file with SPARQL content to query or update.

-u, --update

This has to be used with --query. This tells "tinysparql query" to use the SPARQL update extensions so it knows it isn't a regular data lookup request. So if your query is intended to change data in the database, this option is needed.

-a, --arg=<parameter>:<value>

Provides an argument for a parameter declared in the SPARQL query string. This may be used with --file, --query or --update. Multiple arguments may be provided for multiple parameters. Argument values are provided as a colon separated string containing 3 values: name, type and value. The name is the same as used in the query string, the value is the desired value, and the type is a single-character string defining the type:

- ? i: The value will describe an integer
- ? d: The value will describe a floating point number
- ? b: The value will describe a boolean
- ? s: The value will describe a plain string

EXAMPLES

Querying a D-Bus endpoint

```
$ tinysparql query --dbus-service org.example.Endpoint "SELECT ('Hello World' AS ?str) {}"
```

Updating a database directly from a query in a file

```
$ tinysparql query --database /tmp/db/ --update --file ./update.rq
```

Using --arg to provide arguments to query parameters

```
$ tinysparql query -b org.example.Endpoint \  
-a name:s:"John" -a age:i:42 -a available:b:true \  
"SELECT (~name AS ?name) (~age AS ?age) (~available AS ?avail) { }"
```

SEE ALSO

tinysparql-endpoint(1).

<https://gnome.pages.gitlab.gnome.org/tinysparql/tutorial.html>.