

NAME

tracker3-endpoint – Create a SPARQL endpoint

SYNOPSIS

```
tracker3 endpoint [--dbus-service | -b] <service_name>
                 [--database-path | -d] <database_path>
                 [[--ontology | -o] <ontology_name> |
                 [--ontology-path | -p] <ontology_path>]
                 [--http-port] <port>
                 [--loopback]
                 [--system | --session]]
```

DESCRIPTION

This command allows creating SPARQL endpoints. The endpoint will be able to handle SPARQL select and update queries, and notify about changes in it.

The endpoint is exported via DBus, accessible through the given *service_name*, either using it in a **SERVICE** clause, or by creating a dedicated bus-based SPARQL connection.

When creating a database, the *ontology_name* (or alternatively, a *ontology_path*) must be provided in order to generate the database. If *ontology_name* is used, the ontology must exist in *\$datadir/tracker/ontologies*

The database itself will be stored according to *database_path*.

OPTIONS

- b, --dbus-service=<service_name>**
Service name to use on the endpoint.
- d, --database-path=<database_path>**
The path where the database will be stored.
- o, --ontology**
The name of an ontology in *\$datadir/tracker/ontologies* to use on the constructed database.
- p, --ontology-path**
Full path to an ontology to use on the constructed database.
- session**
Use the session bus. This is the default.
- system**
Use the system bus.
- l, --list**
List all SPARQL endpoints available in DBus
- http-port**
Creates a HTTP endpoint that listens in the specified port
- loopback**
Allows only HTTP connections in the loopback device. Only effective with HTTP endpoints.

EXAMPLES

Export a Nepomuk endpoint with the *org.example.Example1* bus name.

```
$ tracker3 endpoint -b org.example.Example1 -o nepomuk -d /tmp/example1
```

Access this endpoint with the **tracker3-sparql(1)** subcommand.

```
$ tracker3 sparql --dbus-service org.example.Example1 -q "
SELECT ?s ?o
WHERE {
```

```
?u a ?o  
}"
```

Export a Nepomuk endpoint via HTTP.

```
$ tracker3 endpoint --http-port 8080 -o nepomuk --loopback
```

Access this endpoint via HTTP.

```
$ tracker3 sparql --remote-service http://127.0.0.1:8080/sparql -q "  
  SELECT ?u {  
    ?u a rdfs:Resource  
  }"
```

SEE ALSO

tracker3-sparql(1),

<https://www.w3.org/TR/sparql11-query/>