Overview of prefixes for SPARQL

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Contents

Introduction

This vignette provide an overview of the prefixes defined for each of the packages.

Initially the RRDFQBCRND0 packages were built with a not-so-clear understanding. Further componding to the lack of understanding is that `rrdf` function `add.triple` is an interface to Apache/Jena java function addObjectPropery. The addObjectPropery function does not turn a prefixed name into an IRI (using the terminology from RDF 1.1 Turtle, section 2.4 IRI). This is addressed in the discussion of Namespaces, see note at end of section

For more understanding on the use of prefixes - in other words: what I would have liked to understand some years ago - see Richard Cyganiaks post URIs have a namespace part and a local part, right?.

Preliminaries

First load the packages.

```r
library(rrdfqb)
library(rrdfqbcrnd0)
library(rrdfqbcrndex)
```

Prefixes in `rrdfqb`, `rrdfqbcrnd0`, `rrdfqbcrndex`

```r
rrdfcdisc:::env[["qbCDISCprefixes"]]
```

```
## $rdf
## [1] "http://www.w3.org/1999/02/22-rdf-syntax-ns#"
##
## $skos
## [1] "http://www.w3.org/2004/02/skos/core#"
##
## $prov
## [1] "http://www.w3.org/ns/prov#"
```

```
##
## $rdfs
## [1] "http://www.w3.org/2000/01/rdf-schema#"
##
## $dcat
## [1] "http://www.w3.org/ns/dcat#"
##
## $owl
## [1] "http://www.w3.org/2002/07/owl#"
##
## $xsd
## [1] "http://www.w3.org/2001/XMLSchema#"
##
## $pav
## [1] "http://purl.org/pav"
##
## $dc
## [1] "http://purl.org/dc/elements/1.1/"
##
## $dct
## [1] "http://purl.org/dc/terms/"
##
## $mms
## [1] "http://rdf.cdisc.org/mms#"
##
## $cts
## [1] "http://rdf.cdisc.org/ct/schema#"
##
## $cdiscs
## [1] "http://rdf.cdisc.org/std/schema#"
##
## $`cdash-1-1`
## [1] "http://rdf.cdisc.org/std/cdash-1-1#"
##
## $cdashct
## [1] "http://rdf.cdisc.org/cdash-terminology#"
##
## $sdtmct
## [1] "http://rdf.cdisc.org/sdtm-terminology#"
##
## $`sdtm-1-2`
## [1] "http://rdf.cdisc.org/std/sdtm-1-2#"
##
## $`sdtm-1-3`
## [1] "http://rdf.cdisc.org/std/sdtm-1-3#"
##
## $`sdtms-1-3`
## [1] "http://rdf.cdisc.org/sdtm-1-3/schema#"
##
## $`sdtmig-3-1-2`
## [1] "http://rdf.cdisc.org/std/sdtmig-3-1-2#"
##
## $`sdtmig-3-1-3`
## [1] "http://rdf.cdisc.org/std/sdtmig-3-1-3#"
```

```
##
## $sendct
## [1] "http://rdf.cdisc.org/send-terminology#"
##
## $`sendig-3-0`
## [1] "http://rdf.cdisc.org/std/sendig-3-0#"
##
## $adamct
## [1] "http://rdf.cdisc.org/adam-terminology#"
##
## $`adam-2-1`
## [1] "http://rdf.cdisc.org/std/adam-2-1#"
##
## $`adamig-1-0`
## [1] "http://rdf.cdisc.org/std/adamig-1-0#"
##
## $`adamvr-1-2`
## [1] "http://rdf.cdisc.org/std/adamvr-1-2#"
```

```
rrdfqb:::env[["rrdfqb"]]
```

```
## $qb
## [1] "http://purl.org/linked-data/cube#"
```

```
rrdfqbcrnd0:::env[["rrdfqbcrnd0"]]
```

```
## $rrdfqbcrnd0
## [1] "http://www.example.org/rrdfqbcrnd0/"
```

These prefixes are also returned by the function rrdfqbcrnd0/R/Get.default.crnd.prefixes.R

```
Get.default.crnd.prefixes()
```

```
## $rdf
## [1] "http://www.w3.org/1999/02/22-rdf-syntax-ns#"
##
## $skos
## [1] "http://www.w3.org/2004/02/skos/core#"
##
## $prov
## [1] "http://www.w3.org/ns/prov#"
##
## $rdfs
## [1] "http://www.w3.org/2000/01/rdf-schema#"
##
## $dcat
## [1] "http://www.w3.org/ns/dcat#"
##
## $owl
## [1] "http://www.w3.org/2002/07/owl#"
##
## $xsd
```

```
## [1] "http://www.w3.org/2001/XMLSchema#"
##
## $pav
## [1] "http://purl.org/pav"
##
## $dc
## [1] "http://purl.org/dc/elements/1.1/"
##
## $dct
## [1] "http://purl.org/dc/terms/"
##
## $mms
## [1] "http://rdf.cdisc.org/mms#"
##
## $cts
## [1] "http://rdf.cdisc.org/ct/schema#"
##
## $cdiscs
## [1] "http://rdf.cdisc.org/std/schema#"
##
## $`cdash-1-1`
## [1] "http://rdf.cdisc.org/std/cdash-1-1#"
##
## $cdashct
## [1] "http://rdf.cdisc.org/cdash-terminology#"
##
## $sdtmct
## [1] "http://rdf.cdisc.org/sdtm-terminology#"
##
## $`sdtm-1-2`
## [1] "http://rdf.cdisc.org/std/sdtm-1-2#"
##
## $`sdtm-1-3`
## [1] "http://rdf.cdisc.org/std/sdtm-1-3#"
##
## $`sdtms-1-3`
## [1] "http://rdf.cdisc.org/sdtm-1-3/schema#"
##
## $`sdtmig-3-1-2`
## [1] "http://rdf.cdisc.org/std/sdtmig-3-1-2#"
##
## $`sdtmig-3-1-3`
## [1] "http://rdf.cdisc.org/std/sdtmig-3-1-3#"
##
## $sendct
## [1] "http://rdf.cdisc.org/send-terminology#"
##
## $`sendig-3-0`
## [1] "http://rdf.cdisc.org/std/sendig-3-0#"
##
## $adamct
## [1] "http://rdf.cdisc.org/adam-terminology#"
##
## $`adam-2-1`
```

```
## [1] "http://rdf.cdisc.org/std/adam-2-1#"
##
## $`adamig-1-0`
## [1] "http://rdf.cdisc.org/std/adamig-1-0#"
##
## $`adamvr-1-2`
## [1] "http://rdf.cdisc.org/std/adamvr-1-2#"
##
## $qb
## [1] "http://purl.org/linked-data/cube#"
##
## $rrdfqbcrnd0
## [1] "http://www.example.org/rrdfqbcrnd0/"
```

The function `GetForSparqlPrefix( domainName )` returns the prefixes for use with an ARMD RDF data cube with the given domainName. Note the domain names is shown in lower case.

```
cat(GetForSparqlPrefix( "THE-DOMAIN-NAME" ),"\n")
```

```
## prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
## prefix skos: <http://www.w3.org/2004/02/skos/core#>
## prefix prov: <http://www.w3.org/ns/prov#>
## prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#>
## prefix dcat: <http://www.w3.org/ns/dcat#>
## prefix owl: <http://www.w3.org/2002/07/owl#>
## prefix xsd: <http://www.w3.org/2001/XMLSchema#>
## prefix pav: <http://purl.org/pav>
## prefix dc: <http://purl.org/dc/elements/1.1/>
## prefix dct: <http://purl.org/dc/terms/>
## prefix mms: <http://rdf.cdisc.org/mms#>
## prefix cts: <http://rdf.cdisc.org/ct/schema#>
## prefix cdiscs: <http://rdf.cdisc.org/std/schema#>
## prefix cdash-1-1: <http://rdf.cdisc.org/std/cdash-1-1#>
## prefix cdashct: <http://rdf.cdisc.org/cdash-terminology#>
## prefix sdtmct: <http://rdf.cdisc.org/sdtm-terminology#>
## prefix sdtm-1-2: <http://rdf.cdisc.org/std/sdtm-1-2#>
## prefix sdtm-1-3: <http://rdf.cdisc.org/std/sdtm-1-3#>
## prefix sdtms-1-3: <http://rdf.cdisc.org/sdtm-1-3/schema#>
## prefix sdtmig-3-1-2: <http://rdf.cdisc.org/std/sdtmig-3-1-2#>
## prefix sdtmig-3-1-3: <http://rdf.cdisc.org/std/sdtmig-3-1-3#>
## prefix sendct: <http://rdf.cdisc.org/send-terminology#>
## prefix sendig-3-0: <http://rdf.cdisc.org/std/sendig-3-0#>
## prefix adamct: <http://rdf.cdisc.org/adam-terminology#>
## prefix adam-2-1: <http://rdf.cdisc.org/std/adam-2-1#>
## prefix adamig-1-0: <http://rdf.cdisc.org/std/adamig-1-0#>
## prefix adamvr-1-2: <http://rdf.cdisc.org/std/adamvr-1-2#>
## prefix qb: <http://purl.org/linked-data/cube#>
## prefix rrdfqbcrnd0: <http://www.example.org/rrdfqbcrnd0/>
## prefix code: <http://www.example.org/dc/code/>
## prefix dccs: <http://www.example.org/dc/the-domain-name/dccs/>
## prefix ds: <http://www.example.org/dc/the-domain-name/ds/>
## prefix crnd-dimension: <http://www.example.org/dc/dimension#>
## prefix crnd-attribute: <http://www.example.org/dc/attribute#>
```

```
## prefix crnd-measure: <http://www.example.org/dc/measure#>
##
```