
Sorcer / Silenus URIs

Table of Contents

Background	1
URI for SORCER	1
URI for SILENUS	1

Background

Uniform Resource Identifier (URI) are declared in RFC 2396 and implemented by `java.net.URI`

URIs generally follow the following scheme

```
[scheme:]scheme-specific-part[#fragment]
```

URI for SORCER

Sorcer URIs are defined as follows:

```
sorcer://[service]/[service-specific-part]
```

URI for SILENUS

Silenus uses the hierarchical URI scheme:

```
[scheme:][//[authority]][path][?query][#fragment]
```

Where:

scheme	is always <code>sorcer</code>
authority	is always <code>FileStore</code>
path	if given, lists an absolute path in the SILENUS file store to a specific file or directory
query	Will identify all elements in the given path and below that match the given query. A possible query is: <code>uuid="1234-4567"</code> (with no path given) to reference a specific file by uuid. Another possible query would be <code>version=17</code> to reference a (possibly older) version.
fragment	currently unused.

Examples:

URI	References
sorcer://FileStore	the root directory
sorcer://FileStore/	the root directory
sorcer://FileStore/somePath/file.html	the file file.html in somePath
sorcer://FileStore/somePathfile.html?version=1	An older version of the file
sorcer://FileStore?uuid=1234-5678-90AB-CDEF	The file with the UUID 1234-5678-90AB-CDEF
sorcer://FileStore?mime-type=text/html	All HTML files in the file store

A Silenus FileStore UID is said to be *Unique* (= references at most one file) when one of the following conditions are met:

- path references a file
- path references a directory and has no query part
- path references a directory and query contains a query for uuid