

Link Management

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1. Introduction

Link Managements deals with internal links, i.e. documents that refer to other documents within the same publication. In Lenya 1.2, links are rewritten each time the URL of the target document changes (see section [Link Management](#) (`../../docs/1_2_x/components/link-management/link-management.html`) in the Lenya 1.2 documentation).

In Lenya 1.4, documents are identified and referenced using UUIDs. The UUID of a document never changes, that's why the internal links don't have to be rewritten when a document is moved in the site structure.

2. Syntax for Internal Links

Internal links have the following syntax:

```
lenya-document:{uuid}[,lang={...}][,pub={...}][,area={...}][,rev={...}][{queryString}]
```

- The {uuid} value is mandatory.
- The parameters lang, pub, area, and rev are optional. If omitted, the corresponding values of the current context and the latest revision are used.
- The optional query string is not evaluated when resolving the link target. It can be used to provide information for subsequent processing steps (e.g., the `UuidToUrlTransformer`) and to add request parameters to the resulting HTTP link URL. The query string is separated from the link URL using a question mark.

Some link URI examples:

- `lenya-document:031b21e0-d898-11db-b5f3-e5afac0e35a0` - document in same language
- `lenya-document:031b21e0-d898-11db-b5f3-e5afac0e35a0,lang=de` - document in different language
- `lenya-document:031b21e0-d898-11db-b5f3-e5afac0e35a0,area=trash` - document in different area
- `lenya-document:031b21e0-d898-11db-b5f3-e5afac0e35a0?uuid2url.extension=rss` - HTML link should use a particular extension
- `lenya-document:031b21e0-d898-11db-b5f3-e5afac0e35a0?lenya.usecase=bx.edit` - HTML link with request parameter

3. HTML Links

The `UuidToUrlTransformer` is responsible for translating `lenya-document:` links into the corresponding HTML links which can be understood by the browser.

If your source document contains a link like this:

```
<a href="lenya-document:031...">News</a>
```

and your pipeline contains a call to the `UuidToUrlTransformer`:

```
<map:transform type="uuid2url"/>
```

the resulting HTML link will look like this:

```
<a href="/default/authoring/news.html">News</a>
```

3.1. Specifying an Extension

The `UuidToUrlTransformer` recognizes the query string parameter `uuid2url.extension`. You can use it to force a specific extension. For instance

```
<a type="application/rss+xml"
href="lenya-document:031...?uuid2url.extension=rss">RSS Feed</a>
```

will result in

```
<a type="application/rss+xml" href="/default/authoring/news.rss">RSS Feed</a>
```

4. Specifying the Resource Type Format

Sometimes you want to specify the format of the link target. This can be done using the `format` parameter. A typical use case is the inclusion via `CInclude`.

Imagine you're converting a collection of documents to a list of teasers. The collection source might look like this:

```
<col:collection>
  <col:document uuid="031..." />
  <col:document uuid="a5r..." />
  ...
</col:collection>
```

You could use the following XSLT template to generate the `CInclude` statements for the teaser list:

```
<xsl:template match="col:document">
  <ci:include src="lenya-document:{@uuid}?format=teaser" />
</xsl:template>
```

When the resulting XML is processed by

```
<map:transform type="cinclue" />
```

the teaser version of each document will be included.