# Mapping URLs to documents.

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# 1. Current URLs axioms

Currently, Lenya is based on the following axioms:

• A URL is represented by exactly one document.
• A document can be represented by an arbitrary number of URLs.
• For each document, there is exactly one canonical URL.

This is reflected in the following methods:

```
DocumentBuilder.buildDocument(...)
DocumentBuilder.buildCanonicalUrl(...)
```

At the moment, the concept of multiple URLs per document is typically used for language versions (foo_{defaultlanguage}.html = foo.html) and to support different URL suffixes (foo, foo.htm, foo.html).

The site structure is currently tightly connected to the URL space. Link URLs are derived directly from the site structure:

```
<node id="foo">
    <node id="bar"/>
</node>
```

is interpreted as /foo/bar

The language version is handled orthogonally to the site structure. The URL is determined by combining both document ID and language.