

Indexable Node Type

The fcrepo-message-consumer expects nodes to have a type of "http://fedora.info/definitions/v4/indexing#indexable" and to specify an indexing transformation. The following steps can be used to set up the namespace and create and register that mixin with your repository.

Define Indexing Namespace and Mixin in CND

External indexing relies upon the resources you wish to have indexed to have an indexing:indexable mixin property. This can be done using the **REST interface** or via the **fedora-node-types.cnd**

Definition using the REST interface

Go to <http://localhost:8080/rest/fcr:namespaces> and in the Register Namespace form add:

```
Prefix: indexing
Namespace: http://fedora.info/definitions/v4/indexing#
```

Go to <http://localhost:8080/rest/fcr:node-types> and in the Update CND form add:

```
[indexing:indexable] mixin
- indexing:hasIndexingTransformation (STRING) multiple COPY nofulltext noqueryorder
```

Definition via fedora-node-types.cnd

Make sure your node definitions contain the following:

fcrepo-kernel/src/main/resources/fedora-node-types.cnd

```
<indexing = 'http://fedora.info/definitions/v4/indexing#'>

[indexing:indexable] mixin
- indexing:hasIndexingTransformation (STRING) multiple COPY nofulltext noqueryorder
```

The standard configuration chain is as follows:

1. **fcrepo4/fcrepo-webapp/src/main/webapp/WEB-INF/web.xml** contains a **context-param** element with **param-name** "contextConfigLocation". The **param-value** points to your spring configuration file, usually a path like **WEB-INF/classes/*.xml**
2. One of your spring configuration files is **repo.xml** that contains a property **repositoryConfiguration** defining the location of your **repository.json**
3. **fedora-node-types.cnd** is defined in **repository.json**