

# External Search

To support the differing needs for sophisticated, rich searching, Fedora 4 comes with a standard mechanism and integration point for indexing content in an external service. This could be a general search service such as Apache Solr or a standalone triplestore such as Fuseki or Blazegraph

**To set up external index and searching you must:**

- 1 [Install and configure standalone search applications](#)
- 2 [Install and configure fcrepo-camel-toolbox](#)

## Install and configure standalone search applications

The following search applications have been tested:

- Jena Fuseki ([Fuseki setup instructions](#))
- Sesame ([Sesame setup instructions](#))
- Blazegraph ([Blazegraph setup instructions](#))
- Solr ([Solr setup instructions](#))

See [the Solr Indexing Quick Guide](#) to get quickly up and running with a Fedora 4 Solr integration.

## Install and configure fcrepo-camel-toolbox

The following github page has detailed instructions as to how to set up fcrepo-camel-toolbox. This standalone app listens to messages produced by fcrepo4 and invokes the search applications as configured:

<https://github.com/fcrepo4-exts/fcrepo-camel-toolbox>