# 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:**

- Install and configure standalone search applications
- 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