# Check for incoming links to selected page

## Notes

Allow editor (or anyone?) to check if any other pages link to a selected page, so that those pages can be updated if the selected page is to be deleted.

* Link could be in any number of content fields. Need to define which fields.
* Link could be in a picker control (?), linked via RTE link option, manually entered A tag, other? Therefore, the link can be in different formats such as full URL, node id, relative URL.
* Could be multiple links from the same page (different content elements).

This may need to be used by more than just Web Editors and Authors, so will need to be external to Umbraco.

See <http://thecogworks.co.uk/blog/posts/2012/november/examiness-hints-and-tips-from-the-trenches-part-2/> for an example of a “Gathering Node Data” function.

Create a new index specifically for this search, containing all content fields. A new custom field, “NodeLinksTo” is added in the GatheringNodeData event which contains a list of outgoing link node Ids.

The Examine config files need to be added to the Azure Deployment folders (and Keepass).

## Inspyder

Jane produced a sitewide report with all options activated. Although it is a CSV file, it is not purely data rows. In fact, it appears to have the data of multiple report types combined into one file. Therefore, the data in each column has different meaning / content. It may be that only one type of report is needed, otherwise I think each report type will need to be generated on its own.

## Redirects Database

Scenario – page / url A redirects to page B. when checking if page B can be deleted, need to report that A redirects to B. Otherwise requesting A would result in a 404.

## Data Sources

Umbraco Examine index – is maintained by Umbraco when content is updated, it contains a list of node Ids for pages linked to (out) from each page.

Redirects database – the page being queried may be the target of a redirect, so it needs to be checked for in the Redirects database.

Inspyder – is a link checker tool. Its data needs to be checked and fully understood to determine if it will be useful for this application.

## Examine

Examine is an Umbraco implementation of the Lucene search engine – see

<https://our.umbraco.org/documentation/Reference/Searching/Examine/>

Examine is configured using 2 files in the Umbraco config folder – “ExamineIndex.config” and “ExamineSettings.config”.

A new index has been created, called “NodeLinks”. To do so, we need to create 3 items: an indexer, a Searcher and an index set.

ExamineSettings.config is where you configure the Indexer and Searcher. The Indexer configures the index itself, such as the Analyser type and whether unpublished and protected pages are included. I have configured it to include both unpublished and protected pages. I have set the Analyser to use the “Whitespace” analyser to work with the way the NodeLinksTo field is created.

ExamineIndex.config is where you configure the Index set. The index set declares the location of the index data (in App\_Data), as well as the fields contained in the index.