

# bin/nutch index

## Pluggable Indexing

The index command (running `org.apache.nutch.indexer.IndexingJob`) takes the content from one or multiple segments and passes it to all enabled [IndexWriter](#) plugins which send the documents to Solr, Elasticsearch, and various other index back-ends.

## Nutch 1.x

```
Usage: Indexer (<crawlDb> | -nocrawlDb) (<segment> ... | -dir <segments>) [general options]
```

Index given segments using configured indexer plugins

The CrawlDb is optional but it is required to send deletion requests for duplicates and to read the proper document score/boost/weight passed to the indexers.

Required arguments:

```
<crawlDb>      path to CrawlDb, or
-nocrawlDb     flag to indicate that no CrawlDb shall be used

<segment> ...  path(s) to segment, or
-dir <segments> path to segments/ directory,
                  (all subdirectories are read as segments)
```

General options:

```
-linkDb <linkDb>      use LinkDb to index anchor texts of incoming links
-params k1=v1&k2=v2... parameters passed to indexer plugins
                        (via property indexer.additional.params)

-noCommit          do not call the commit method of indexer plugins
-deleteGone        send deletion requests for 404s, redirects, duplicates
-filter            skip documents with URL rejected by configured URL filters
-normalize         normalize URLs before indexing
-addBinaryContent   index raw/binary content in field `binaryContent`
-base64            use Base64 encoding for binary content
```

Indexwriter plugins have to be enabled by the property `plugin.includes`. See [IndexWriter](#) how to configure these plugins.