

SolrRequestHandler

A [SolrRequestHandler](#) is a [Solr Plugin](#) that defines the logic executed for any request.

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Configuration

Multiple handlers (including multiple instances of the same SolrRequestHandler class with different configurations) can be specified in the [solrconfig.xml](#)

```
<requestHandler name="/foo" class="my.package.CustomRequestHandler" />
  <!-- initialization args may optionally be defined here -->
  <lst name="defaults">
    <int name="rows">10</int>
    <str name="fl">*</str>
    <str name="version">2.1</str>
  </lst>
</requestHandler>

<requestHandler name="/update/my-pdf-reader" class="my.package.MyPdfHandler">
```

Handler Resolution

Clients access specific SolrRequestHandlers through the remaining URL path (starting with a '/') corresponding with a named request handler (also starting with a '/'). For the above example, running on localhost:8983/solr/, you could access:

```
http://localhost:8983/solr/foo?...
http://localhost:8983/solr/update/my-pdf-reader?...
```

Old handleSelect=true Resolution (qt param)

The `<requestDispatcher>` element has a `handleSelect` attribute which defaults to `false` as of Solr 3.6. Before then it was `true`, and the example `solrconfig.xml` had it explicitly set to `true` as well. When it is `true`, there is an additional dispatch rule that comes into place if the request uses `"/select"` but there is no request handler by that name. Instead of it being an error, Solr uses the `"qt"` parameter to lookup the handler by name. In limited cases, `'qt'` may start with a leading `'/'` but that practice should be avoided. If there is no `'qt'` parameter then the default handler is chosen.

```
http://localhost:8983/solr/select?qt=mysearch&...
```

`'qt'` can be used to choose a request handler in other cases aside from a new HTTP request. Two others are for the warming queries and also for the ping query, both configured in `solrconfig.xml`. For these other cases, there is no restrictions on a leading `'/'`. And in these cases, when `'qt'` is not specified, the default handler is chosen.

The default handler is normally the handler named `"/select"`. However another specific handler can be anointed as such with a `default="true"` attribute on it, if desired. `"standard"` was the old default name and will still work but it's legacy/deprecated. If there is no default handler, then most/all cases in which a default one is chosen will instead trigger an error.

Content Streams

When SolrRequestHandlers are accessed using path based URLs the [SolrQueryRequest](#) object that contains the parameters of the request may also contain a list of [ContentStreams](#) containing bulk data for the request.

Implementing a Request Handler

The easiest way to implement [SolrRequestHandler](#) is to extend the [RequestHandlerBase](#) class. Also see the list of Request Handlers below for examples.

List of Request Handlers Available

The Javadocs contain [a complete list of Request Handlers](#). Many of which have their own wiki pages...

Search handlers:

- [DisMaxRequestHandler](#)
- [LukeRequestHandler](#)
- [MoreLikeThisHandler](#)
- [SearchHandler](#)
- [SpellCheckerRequestHandler](#)

Update handlers:

- [DataImportHandler](#)
- [BinaryUpdateRequestHandler](#)
- [CSVUpdateRequestHandler](#)
- [ExtractingRequestHandler](#)
- [JsonUpdateRequestHandler](#)
- [XmlUpdateRequestHandler](#)
- [XsltUpdateRequestHandler](#)

There are a variety of system information request handlers documented [here](#).