

# SolJava

## Using Solr From Java

### SolrJ

⚠ Solr1.3

[Solrj](#) is a robust Java client for adding, deleting and updating documents with Solr. [Solrj](#) includes an option to access an embedded solr instance without the need to run an HTTP server.

### Translating requests to SolrJ

SolrJ can call to any solrconfig.xml registered request handler. Given a request handler like this:

```
<requestHandler name="/spellCheckCompRH" class="solr.SearchHandler">
  <lst name="defaults">
    <!-- omp = Only More Popular -->
    <str name="spellcheck.onlyMorePopular">false</str>
    <!-- exr = Extended Results -->
    <str name="spellcheck.extendedResults">false</str>
    <!-- The number of suggestions to return -->
    <str name="spellcheck.count">1</str>
  </lst>
  <arr name="last-components">
    <str>spellcheck</str>
  </arr>
</requestHandler>
```

This SolrJ code will call the handler:

```
import org.apache.solr.client.solrj.SolrServer;
import org.apache.solr.client.solrj.SolrServerException;
import org.apache.solr.client.solrj.impl.CommonsHttpSolrServer;
import org.apache.solr.client.solrj.response.QueryResponse;
import org.apache.solr.common.params.ModifiableSolrParams;

import java.net.MalformedURLException;

public class SolrJExample {
    public static void main(String[] args) throws MalformedURLException, SolrServerException {
        SolrServer solr = new CommonsHttpSolrServer("http://localhost:8983/solr");

        // http://localhost:8983/solr/spellCheckCompRH?q=epod&spellcheck=on&spellcheck.build=true
        ModifiableSolrParams params = new ModifiableSolrParams();
        params.set("qt", "/spellCheckCompRH");
        params.set("q", "epod");
        params.set("spellcheck", "on");
        params.set("spellcheck.build", "true");

        QueryResponse response = solr.query(params);
        System.out.println("response = " + response);
    }
}
```

## SimplePostTool

⚠ Solr1.2

Solr includes a simple class to post data: [SimplePostTool.java](#)

You can find it jarred up in /example/exampledocs/post.jar. For more information on how to use it run `java -jar post.jar -help`