

DIHQuickStart

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Index a DB table directly into Solr

Step 1 : Edit your solrconfig.xml to add the request handler

```
<requestHandler name="/dataimport" class="org.apache.solr.handler.dataimport.DataImportHandler">
  <lst name="defaults">
    <str name="config">data-config.xml</str>
  </lst>
</requestHandler>
```

Step 2 : Create a data-config.xml file as follows and save it to the conf dir

```
<dataConfig>
  <dataSource type="JdbcDataSource"
    driver="com.mysql.jdbc.Driver"
    url="jdbc:mysql://localhost/dbname"
    user="user-name"
    password="password"/>
  <document>
    <entity name="id"
      query="select id,name,desc from mytable">
    </entity>
  </document>
</dataConfig>
```

Step 3 : Ensure that your solr schema (schema.xml) has the fields 'id', 'name', 'desc'. Change the appropriate details in the data-config.xml

Step 4 : Drop your JDBC driver jar file into the <solr-home>/lib directory .

Step 5 : Run the command <http://solr-host:port/solr/dataimport?command=full-import>. Keep in mind that every time a full-import is executed the index is cleaned up. If you do not wish that to happen add clean=false. For example: <http://solr-host:port/solr/dataimport?command=full-import&clean=false>

Index the fields in different names

Step: 1 Change the data-config as follows :

```
<dataConfig>
  <dataSource type="JdbcDataSource"
    driver="com.mysql.jdbc.Driver"
    url="jdbc:mysql://localhost/dbname"
    user="user-name"
    password="password"/>
  <document>
    <entity name="id"
      query="select id,name,desc from mytable">
      <field column="id" name="solr_id"/>
      <field column="name" name="solr_name"/>
      <field column="desc" name="solr_desc"/>
    </entity>
  </document>
</dataConfig>
```

Step 2 : This time the fields will be written to the solr fields 'solr_id', 'solr_name', 'solr_desc'. You must have these fields in the schema.xml. Step 3 : Run the command <http://solr-host:port/dataimport?command=full-import>

Index data from multiple tables into Solr

Step: 1 Change the data-config as follows :

```
<dataConfig>
  <dataSource type="JdbcDataSource"
    driver="com.mysql.jdbc.Driver"
    url="jdbc:mysql://localhost/dbname"
    user="user-name"
    password="password"/>
  <document>
    <entity name="outer"
      query="select id,name,desc from mytable">
      <field column="id" name="solr_id"/>
      <field column="name" name="solr_name"/>
      <field column="desc" name="solr_desc"/>
      <entity name="inner"
        query="select details from another_table where id ='${outer.id}'">
        <field column="details" name="solr_details"/>
      </entity>
    </entity>
  </document>
</dataConfig>
```

Step 2: The schema.xml should have the solr_details field

Step 3: Run the full-import command