

Using Include List

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List of Tables

1. Insert data example 1

In order to use the Include List feature of 'Together Search Server' the following steps are to be performed.

Create Include database

The first step is to create an include list database. In the database a table should be created with following columns in the same order as written here. The column names are *arbitrary* and are given here only as an example:

OID – int, object ID

FILENAME – Varchar(254), file path

MODIFIED, Timestamp, file modification date

Insert data

After the successful database/table creation, the include list should be filled out the file paths to the files to be indexed along with their modification dates.

An example:

Table 1. Insert data example

Attribute	FILENAME	MODIFIED
1	'C:\myfile.xls'	'2005-01-01 00:00:00.0'

Setting up 'Together Search Server Admin' application

The next step is to configure the 'Together Search Server Admin' application to have access to our Include List.

The datasource for the database should be declared in the tssAdmin.xml. Here is an example of a data-source declaration:

```
<Resource name="includeDB" type="javax.sql.DataSource"
maxWait="5000" maxActive="40" password="" maxIdle="10" username="sa"
  driverClassName="org.hsqldb.jdbcDriver"
  url="jdbc:hsqldb:${catalina.base}/hsqldb/ includeDB / includeDB" />
```

Parameters:

Resource name is the datasource name for the database that will be used throughout the application.

driverClassName is the name of the driver class used

url is the url to the database

In addition to this configuration file, the **web.xml** configuration file should as well be edited to reflect the changes made in the tssAdmin.xml.

In the DatabaseManager/Databases[] entry, the include database name should be declared as in this example:

```
<env-entry>
  <env-entry-name>DatabaseManager/Databases[ ]</env-entry-name>
  <env-entry-value>includeDB</env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>
```

In the following listing are the additional declarations needed for the Include database to be operational. The examples are given :

```
<env-entry>
  <env-entry-name>DatabaseManager/DB/ includeDB /ClassType</env-entry-name>
  <env-entry-value>HypersonicSQL</env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
  <env-entry-name>DatabaseManager/DB/ includeDB /ObjectId/NextWithPrefix</env-entry-name>
  <env-entry-value>true</env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
  <env-entry-name>DatabaseManager/DB/ includeDB /Connection/ShutDownString</env-entry-name>
  <env-entry-value>CHECKPOINT</env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
  <env-entry-name>DatabaseManager/DB/ includeDB /Connection/DataSourceName</env-entry-name>
  <env-entry-value>jndi: includeDB </env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
  <env-entry-name>DatabaseManager/DB/ includeDB /ConnectionAllocator</env-entry-name>
  <env-entry-value>com.lutris.appserver.server.sql.
    datasource.DataSourceConnectionAllocator</env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
  <env-entry-name>DatabaseManager/DB/ includeDB /
    Connection/ConnectionFactory</env-entry-name>
  <env-entry-value>com.lutris.appserver.server.sql.
    DataSourceDBConnectionFactory</env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
  <env-entry-name>DatabaseManager/DB/ includeDB /ObjectId/MinValue</env-entry-name>
  <env-entry-value>1000000</env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>

<env-entry>
  <env-entry-name>DatabaseManager/DB/ includeDB /Connection/MaxPoolSize</env-entry-name>
  <env-entry-value>10</env-entry-value>
  <env-entry-type>java.lang.String</env-entry-type>
</env-entry>
```

Setting up a Site and Include list

An Include List for a Site is defined in configuration file ('siteConf.xml'). The information about the Include list should be entered:

Include list DB: is the resource name defined in tssAdmin.xml

Include Table: table where the include list data are contained

Include Column: column in the table where the file paths are contained

Include Column modified: column in the table where the file modification dates are contained.

Configuring Include list on a different database server

In order to run the include list on a database server other than HSQL, the following modification should be performed:

In the **tssAdmin.xml** the proper driver and url should be entered Supported values: HypersonicSQL, PostgreSQL, DB2, QED, MySQL, Sybase, Oracle, MSQl.

Example for MSQl:

```
<Resource name="includeDB" type="javax.sql.DataSource"
  maxWait="5000" maxActive="40" password="" maxIdle="10" username="sa"
  driverClassName="com.microsoft.jdbc.sqlserver.SQLServerDriver"
  url="jdbc:microsoft:sqlserver://localhost:1433;DatabaseName=includeDB;Select
Method=cursor" />
```

In the **web.xml** the <env-entry-name>DatabaseManager/DB/ **includeDB** /ClassType</env-entry-name> value should be changed to the proper database. i.e. MSQl.