

# How - to create a Full Text Index on ERP5

author: Rafael Monnerat

## Alter Compatibility Table

Go to /instance\_name/portal\_catalog/erp5\_mysql ( in ZMI) and acess and run ( test) the Z SQL Method 'z0\_drop\_compatibility'. This DROP the compatibility table on mysql.

In same folder, modify the Z SQL Method 'z\_create\_compatibility'. Add the index and alter the Table Type. The new end of file will be:

```
KEY `review_state` (`review_state`),  
FULLTEXT(`SerachableText`)  
} TYPE=MyISAM
```

Run ( test) the ZSQLMethod to create the table.

## Edit catalog properties

Go to /instance\_name/portal\_catalog/erp5\_mysql ( in ZMI ) and edit the properties ( properties tab ). With CRTL press, mark these options:

sql_catalog_object_list	z_catalog_compatibility_list
sql_search_tables	compatibility
sql_catalog_full_text_search_keys	SerachableText compatibility.SearchableText

Now the ERP5 use the compatibility table to catalog all objects too.

## Add Full Text Search to Portal

The normal portal Search Box don't do the full text Search. The portal needs a new Z SQL Method. This is just a simple and pratical example.

### *Create ZSQL Method*

In portal\_catalog contents, create a Z SQL METHOD with name 'FTSearch' and argument 'SearchableText'. The code is:

```
SELECT catalog.path, catalog.uid, catalog.title, catalog.portal_type, catalog.description  
FROM compatibility , catalog  
WHERE compatibility.uid = catalog.uid AND  
MATCH (`SearchableText`)  
AGAINST (<dtml- sqlvar expr="SearchableText" type="string">)
```

## Doing search and show the results

In folder `portal_skin/custom` add a ZPT with name `'ftsearch_results_template'` and the code:

```
<html metal:use-macro="context/main_template/macros/master">
<body>

<metal:slot metal:fill-slot="header" i18n:domain="cmf_default">
<h1 i18n:translate="">Search Results</h1>
</metal:slot>
<div class="Desktop">
<metal:slot metal:fill-slot="main" i18n:domain="cmf_default">
<table class="SearchResults" tal:define="batch
python:here.portal_catalog.FTSearch(SearchableText=request.SearchableText)" >
<thead>
<tr>
<th i18n:translate="">Title</th>
<th i18n:translate="">Type</th>
</tr>
</thead>

<tbody tal:repeat="item batch">
<tr>
<td> <a href="" tal:attributes="href python:item[0]">
<span tal:condition="python:item[2]"
tal:replace="python:item[2]">Title</span>
<span tal:condition="not:python:item[2]"
tal:omit-tag=""
i18n:translate="">(No title)</span>
</a>
</td>
<td tal:content="python:item[3]" i18n:translate="">Type</td>
</tr>
<tr>
<td>&nbsp;</td>
<td colspan="3">
<em tal:condition="python:item[4]"
tal:content="python:item[4]">Description</em><em
tal:condition="python:not(item[4])"
i18n:translate="">(No description)</em></td>
</tr>
</tbody>
</table>
</metal:slot>
</div>
</body>
</html>
```

## *Alter navigation\_box*

To finish alter the navigation\_box in portal\_skin/erp5\_html\_style. Put on line 177 the new method:

```
title="Search" alt="Search" name='ftsearch_results_template:method'
```

Only the button do the search, if you press enter you don't do the execute these method. About the Mysql FULLTEXT index you can find more information on reference guide on mysql site. I'm use the default config, but you can modify to improve your search.

## **ABOUT**

Author : Rafael Monnerat

Mail : [rmonnerat@gmail.com](mailto:rmonnerat@gmail.com)

WebSite : <http://monnerat.objectis.net> ( In portuguese)

Document source ( .odt ) on my website ( erp5 section ).

Mail me for any question or use the lists!