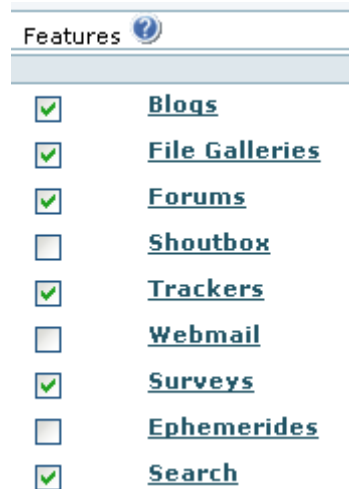# Search Admin

You can activate this feature through "Admin home > Features > Search"

Then, you can set the search settings under the magnifying lens icon (❌), which will lead you to "**tiki-admin.php?page=search**"

SEARCH PERMISSIONS

give tiki_p_search to the groups that are allowed to search.

SEARCH SYSTEMS

There are 2 search systems that can be configured by the administrator: **(a) Basic Search (database search)** and **(b) Advanced search (tiki search)** . In old versions, each one had a module, a tiki page that displayed the results and a set of settings.

- Old tiki versions:
  1. the Module search_box:

     It is called "**database search**". It uses the resources of the database to do the search and indexation. It can be used **with or without fulltext** capacity. You can see you are running this search if the search page is **tiki-searchresults.php**. If you enable full-text search your results will be ordered according to their relevance to the search terms. In a similar way, a user knows it is a full text search because each result has a relevance indicator.

  2. the Module search_new:

     It is called the "**database independent search**" or "**tiki search**". The search resources are managed by tikiwiki. There is **no fulltext** capacity in this module. **search_new** was introduced in Tikiwiki 1.8. You can see you run this search if the search page is **tiki-searchindex.php**

Both could be used as soon as you checked the feature search. You could even set the 2 search

boxes.

- Current tiki versions:

  1. the [Module search](#), which uses tiki-searchresults.php if the 'Basic Search' is enabled regardless of the choice for 'Advanced search'.

1.1.1. BASIC SEARCH

Uses MySQL Full-Text Search, through **tiki-searchresults.php**. If enabled, the search module and search feature at the main application menu will use it by default, even if 'Advanced Search' is also enabled below.

- search without case consideration
- don't index words less that 3 characters (no stoplist)
- relevance and ranking don't work . the relevance is based function of the object type on number
  od read, hits.... there is no ranking
- can search on a part of a word

1.1.2. ADVANCED SEARCH

Uses Unified Search Index, through **tiki-searchindex.php**. You must choose one unified search engine (default value, Lucene, is o as a starting point).

1.1.2.1. LUCENE (PHP IMPLEMENTATION)

There are a few options you can choose from, here.

1.1.2.2. MYSQL FULL TEXT SEARCH

There are a few options you can choose from, here.

1.1.2.3. ELASTIC SEARCH

You require an extenral server setup appropriately to use this search system.

SEARCH ON THE FILE GALLERIES

See: Search within files

CRON JOB FOR SEARCH

- Cron Job to Rebuild Search Index

SETTINGS

Administration: Search
Search settings

Search settings	
Referer Search Highlighting:	☐
Parse the result (can be slow):	☑
Database Search using MySQL 'Full-Text' Feature	
Activate MySQL 'Full-Text' feature:	☑
Performance issues	
Ignore individual object permissions:	☐
Ignore category viewing restrictions:	☐
Database Independent Full Text Search or Tiki Search	
This is activated by default if MySQL 'Full-Text' feature is not activated above	
Refresh wiki search index now	
Refresh tracker search index now	
Refresh files search index now	
Search features	
Search stats:	☐
Settings for searching content	
Search refresh mode:	Normal ▾
Search refresh rate:	5 0 for no refresh
Minimum length of search word:	3
Max. number of words containing a syllable:	100
Max. age in hours of syllable search cache:	48
LRU list purging rate:	5
LRU list length:	100
Change settings	

Search features

Setting

Referer Search Highlighting

Parse the Result

Description

Specify if the search results page will highlight the matched words. See Referrer Search Highlighting for details.
Note: Selecting this option may negatively affect Tiki search performance.

Specify if Tiki should parse the wiki syntax on the search results page. If not selected, the wiki sytax (code) will be shown. Selecting this option may negatively affect Tiki search performance.

This option was introduced in Tiki 2.0

Setting

Activate MySQL Full Text Search

Ignore individual object permissions

Description

If selected, the search uses a full-text database search. If not selected, the database search is primarily an OR search between searched words. The Tikiwiki search will be refreshed automatically.

This option was introduced in Tiki 2.0

If selected, the database search results will show **all** matches — even if the user does not have permission to view the specific page. Selecting this option may negatively affect Tiki search performance.

Setting

Ignore category viewing restrictions

Search stats

Search Refresh Mode

Description

If selected, the database search results will show **all** matches — even if the user does not have permission to view the specific category. Selecting this option may negatively affect Tiki search performance.

Specify if Tiki records the searched terms for use in the Search Stats page.

Specify how Tiki determines th search refresh index: **Normal** or **Random**.

Note: This option applies only if the **Activate MySQL Full Text Feature** is *not* enabled.

Setting

Search refresh rate

Description

Specify how often Tikiwiki should refresh the search engine: the bigger is the number, the less often one random object is indexed. At each access to a page of the site, a random number between 1 and the refresh rate is computed . If this number is 1 , a random abject is indexed. Starting with Tiki 2.0, the index is refreshed in real time.

Note: This option applies only if the **Activate MySQL Full Text Feature** is *not* enabled.

Setting

Minimum length of search word

Description

Specify the minimum number of characters of the search word.

Note: This option applies only if the **Activate MySQL Full Text Feature** is *not* enabled. When using the MySQL Full Text Search, you must specify the word length it in the MySQL configuration by using the **ft_min_word_len** variable. See the MySQL documentation for details.

Setting

Max. number of words containing a syllable

Max. age in hours of syllable search cache

Description

only for the db independent search.

Note: This option applies only if the **Activate MySQL Full Text Feature** is *not* enabled.

only for the db independent search.

Note: This option applies only if the **Activate MySQL Full Text Feature** is *not* enabled.

Setting

LRU list purging rate

LRU list length

Description

only for the db independent search.

Note: This option applies only if the **Activate MySQL Full Text Feature** is *not* enabled.

only for the db independent search.

Note: This option applies only if the **Activate MySQL Full Text Feature** is *not* enabled.

Unable to load the jQuery Sortable Tables feature.

Other options:

- Click the **Refresh wiki search index now** link to refresh the search index of the wiki.
- Click the **Refresh tracker search index now** link to refresh the search index of the trackers.

- Click the **Refresh search index now** link to refresh the search index of a Tikiwiki search.

Note: Use these **Refresh...** option only for small sites — larger sties should use a cron batch job.

MYSQL SEARCH TUNING

See http://dev.mysql.com/doc/refman/5.0/en/fulltext-fine-tuning.html for some setting at mysql level like the stop list words and the 4 character limit.

WORD HIGHLIGHTING

In v1.9 there is a new search box Module search_new and results page (tiki-searchindex.php) that together provide highlighting of search words. Additionally, by adding "&highlight=*words*", where *words* are the words you want to highlight, to the end of the URL (web address) for any wiki page, the words will be highlighted in the page.

Related pages

- Search
- Search User
- Search Stats

alias

- Search Config