2. Sphinx Search User Guides

Thank you for purchasing our extension. If you have any questions that are beyond the scope of this document, do not hesitate to leave us an email via our email address below.

Created: 15/11/2016 | By: Magenest |

Support Portal: **http://servicedesk.izysync.com/servicedesk/customer/portal/49**
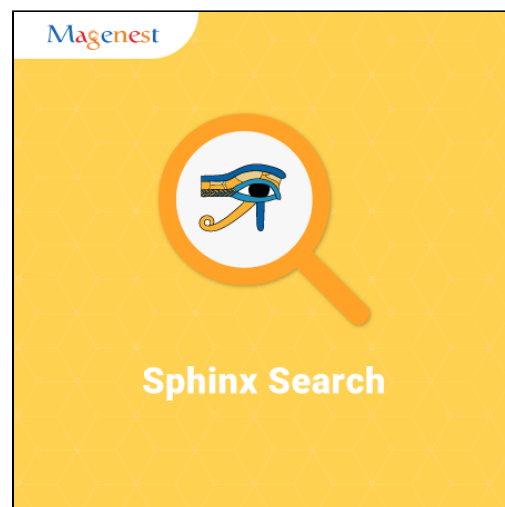

Introduction

Highlight Features

- Indexing the store content, including products and categories, and neatly store them in the server.

- Specify a list of synonyms for better search relevance.

- Specify a list of stopwords for less unrelevance search results.

- Specify maximum number of results.

- Specify replace words which will be applied in search queries.

- Specify frequently searched terms (future version).

- Specify related search terms (future version).

- Specify additional index and search daemon configuration.
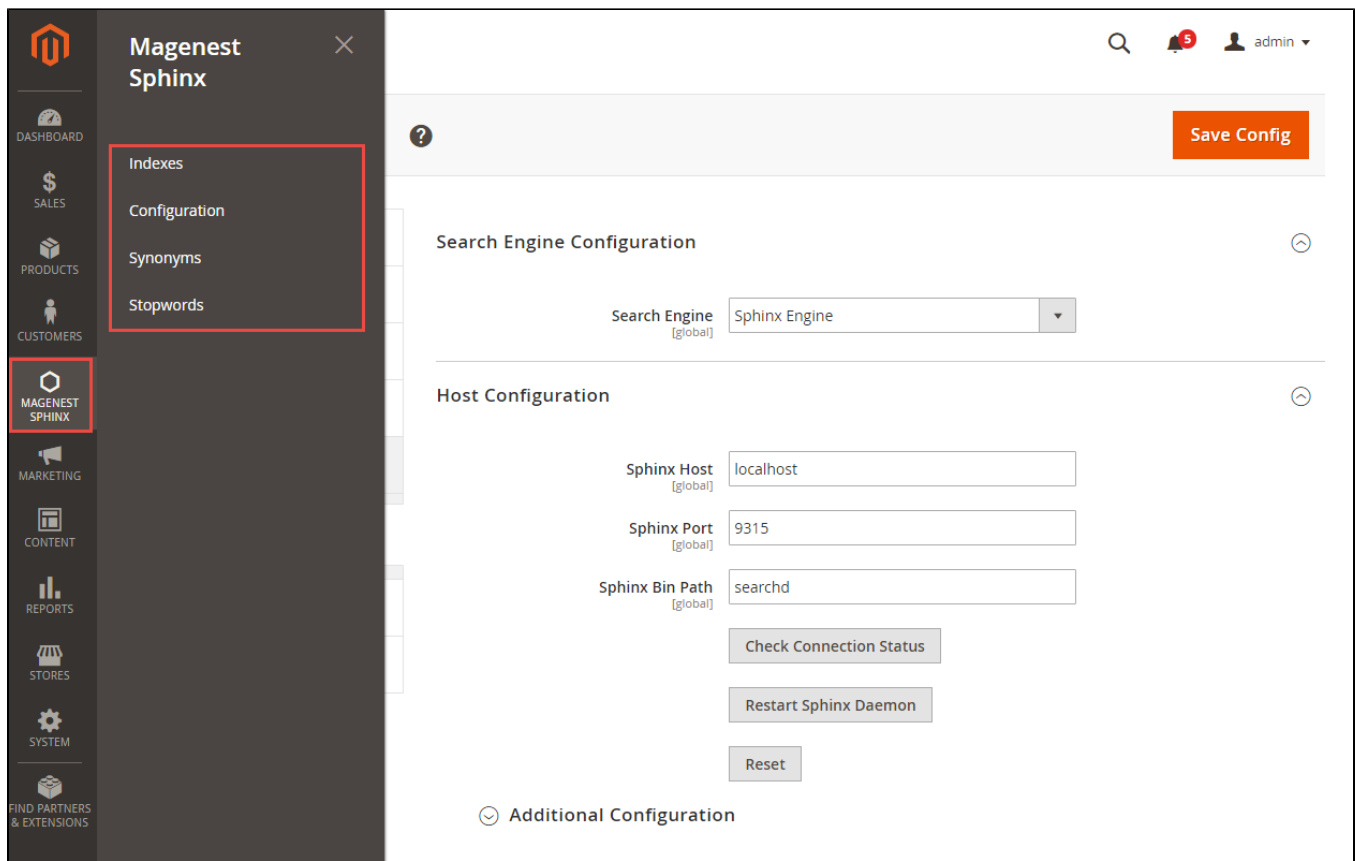
- Fast and relevant search results.

System Requirements

Your store should be running on Magento 2 Community Edition version 2.1.

Main Functions

We have created Magenest Sphinx menu which enable admins to manage all of things regarding Sphinx extension for Magento 2.
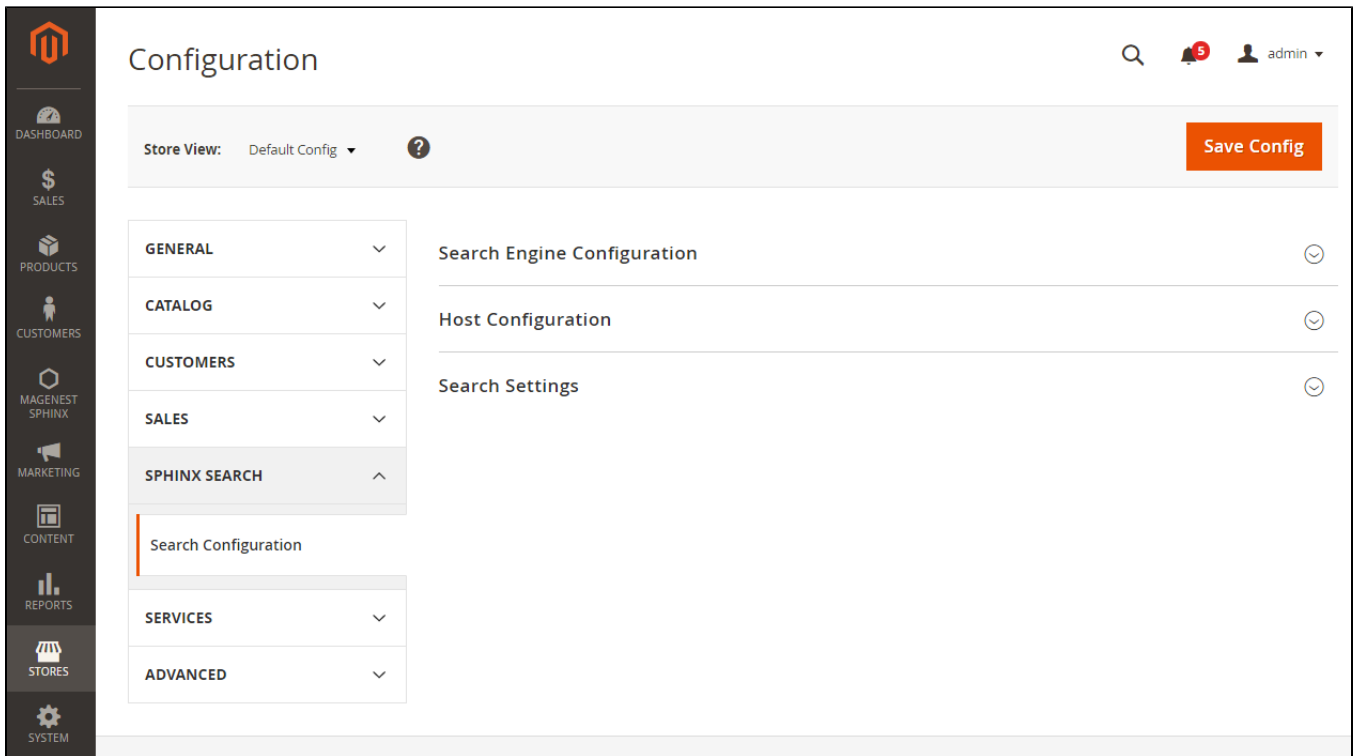
- **Configuration**

First of all, you need to set configuration before using the extension.

Go to **Stores > Configuration > Sphinx Search > Search Configuration**.

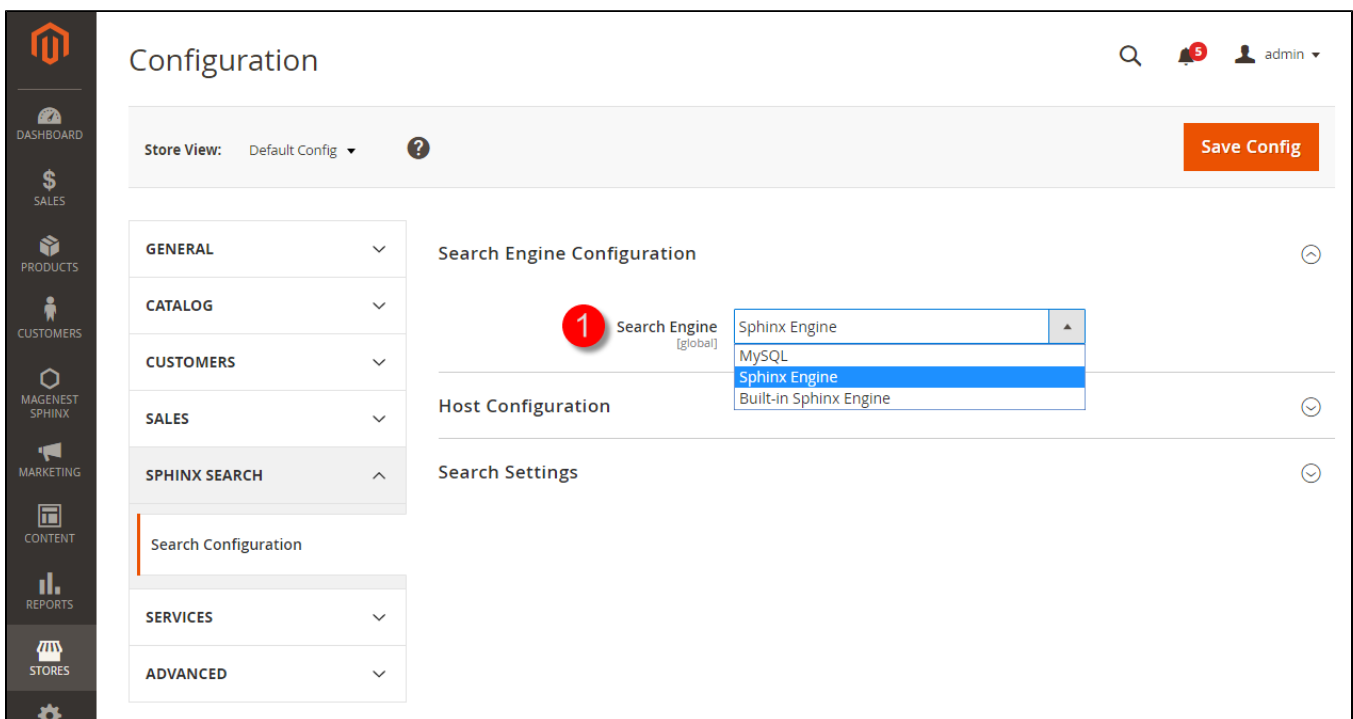There are three drop-down menus will be shown, include:

- Search Engine Configuration.

- Host Configuration.

- Search Settings.

➕ **Search Engine Configuration**

The extension provides three options, include: **My SQL**, **Sphinx Engine** and **Built-in Sphinx Engine**. Admin will pick one of them to make as default for searching.

We recommend that you should choose the option named **Sphinx Engine**.

➕ Host Configuration

At Host configuration drop-down list, there are some fields admin need to set, includes:

+ Sphinx Host: localhost (Default).

+ Sphinx Post: 9315 (Default).

+ Sphinx Bin Path: searchd (Default).

➕ Restart Sphinx Daemon: In the first use, admins will need to click on **Restart Sphinx Daemon** button to start using. A notification will be shown to inform you that Sphinx Daemon works successfully.

Restart Sphinx Daemon

Sphinx daemon successfully restarted.

```
[Mon Nov 14 14:25:04.334 2016] [24213] using config file '/hc
[Mon Nov 14 14:25:04.337 2016] [24213] stop: successfully ser
Sphinx 2.2.11-id64-release (95ae9a6)
Copyright (c) 2001-2016, Andrew Aksyonoff
Copyright (c) 2008-2016, Sphinx Technologies Inc (http://sphi
[Mon Nov 14 14:25:04.590 2016] [24223] using config file '/hc
Sphinx 2.2.11-id64-release (95ae9a6)
Copyright (c) 2001-2016, Andrew Aksyonoff
Copyright (c) 2008-2016, Sphinx Technologies Inc (http://sphi

WARNING: multiple addresses found for 'localhost', using the
listening on 127.0.0.1:9314
WARNING: multiple addresses found for 'localhost', using the
listening on 127.0.0.1:9315
Sphinx 2.2.11-id64-release (95ae9a6)
Copyright (c) 2001-2016, Andrew Aksyonoff
Copyright (c) 2008-2016, Sphinx Technologies Inc (http://sphi

precaching index 'catalogsearch_fulltext_scope1'
precaching index 'magento_catalog_category_scope1'
Sphinx 2.2.11-id64-release (95ae9a6)
Copyright (c) 2001-2016, Andrew Aksyonoff
Copyright (c) 2008-2016, Sphinx Technologies Inc (http://sphi
```

Reset

⊕ **Check connection status:** After clicking on **Restart Sphinx Daemon** button, admin will need to check connection status by clicking on **Check Connection Status** button. A notification will be shown to inform you that Sphinx search extension and your store have connected successfully together.

```
Check Connection Status

Sphinx daemon running.

[Mon Nov 14 14:25:12.715 2016] [24237] using config file '/hc
[Mon Nov 14 14:25:12.716 2016] [24237] WARNING: multiple addr
Sphinx 2.2.11-id64-release (95ae9a6)
Copyright (c) 2001-2016, Andrew Aksyonoff
Copyright (c) 2008-2016, Sphinx Technologies Inc (http://sphi


searchd status
--------------
uptime: 8
connections: 1
maxed_out: 0
command_search: 0
command_excerpt: 0
command_update: 0
command_delete: 0
command_keywords: 0
command_persist: 0
command_status: 1
command_flushattrs: 0
agent_connect: 0
agent_retry: 0
queries: 0
dist_queries: 0
query_wall: 0.000
query_cpu: OFF
dist_wall: 0.000
dist_local: 0.000
dist_wait: 0.000
query_reads: OFF
query_readkb: OFF
query_readtime: OFF
avg_query_wall: 0.000
avg_query_cpu: OFF
avg_dist_wall: 0.000
avg_dist_local: 0.000
avg_dist_wait: 0.000
avg_query_reads: OFF
avg_query_readkb: OFF
avg_query_readtime: OFF
489 Nov10 /usr/bin/searchd --nodetach
24225 14:25 searchd --config /home/sphinx/public_html/var/sph
24226 14:25 searchd --config /home/sphinx/public_html/var/sph
24239 14:25 sh -c ps
24241 14:25 grep searchd
```

+ **Reset**: Admin will click on the **Reset** button if they want to make all of things to the original status.

➕ **Additional Configuration**

If admins have knowledge about the Sphinx platform, they can type text in HTML format in the two fields:

⛔ Additional index configuration.

⛔ Additional searchd configuration.

➕ **Search Settings**

+ Wildcard search: There are 4 options enabled:

⛔ *Enabled (*word*) - This option allows to find products and show them in the search results if the search phrase is contained in the beginning, end or in the middle of the product.*

Example: If the search query is "**age**", search results can be: "**age**nt", "M**age**nest" and "im**age**".

⛔ *Enabled at end (word*): This option allows to find products which only start by the search phrase.*

Example: If the search query is "**age**", search results can be: "**age**nt" or "**age**ncy", but not: "im**age**" or "M**age**nest".

⛔ *Enabled at start (*word): This option allows to find products which only end by the search phrase.*

Example: If the search query is "**age**", search results can be: "im**age**" or "S**age**", but not "M**age**nest" or "**age**nt".

⛔ *Disabled: This option allows to show all search results exactly as the search phrase.*

Example:If the search query is "**age**", search result can be only for "**age**", but not for "**age**nt" or "M**age**nest" or "im**age**"

+ Result Limit: This feature allows admin to set maximum number of the search results.

❓ Example:

If admins enter 100 at Result Limit field, the search results will be shown to maximize 100 results.

+ **Wildcard Exceptions**: The list of words (characters) for which no wildcard rules will be applied.

❓ *Example:*

If Wildcard search is enabled, when customers search query '**Extension**' then the search results will also return products with "**Extension**s" word. If admins add '**Extension**' to exceptions list, search will return only '**Extension**' results.

If admin want to add more words into Wildcard Exception, admins only click on **Add** button to add.

+ **Replace words in search query**

The words from the left column will be replaced by words from the right column.

❓ *Example:*

If the search phrase is "**Magen**" entered by customers then "**Magenest**" is the real word searched by the search engine.

+ **Long Tail Expressions**.

- **Stopwords**

➕ Go to **Magenest Sphinx** > **Stopwords**. Then a **Stopword** page will be shown allowing admins to add stopwords into database as well as manage them.

Stopwords are words which are not really useful for search because they have little lexical meaning or ambiguous meaning. This feature allows the search engine to remove these words from the search phrase automatically.

➕ Add New Stopword

In order to add a new stopword, please click on **Add New Stopword** button. Then a **New stopword** page will be shown.

There are two fields that admins need to set, include:

🛑 Stopword: Admins need to enter a word that they want to remove this word from the search phrase entered by customer.

🛑 Store: Default Store View.

Please click on **Save** button to complete.

❓ Example:

"a" is a stopword added by admins on Magento's backend.
If the search phrase is " **a laptop**", the system will be removed "a" from the search phrase. "l**aptop**" is really the searched word (**not** "a laptop").

- **Synonyms**

➕ Go to **Magenest Sphinx > Synonyms.**

Synonyms are words which have the same or nearly the same meaning. This feature allows customers to find both the search phrase entered and its synonyms.

➕ Add a new synonym

In order to add a new synonym, please click on **Add New Synonym** button. Then a **New term** page will be shown which allows admins to add manually a word with its corresponding synonyms according to the store owner's wish.

There are three fields to be set:

⛔ Term: Admins will enter the word that they want to create the list of synonyms for it.

⛔ Synonyms: The list of replacing synonyms (use comma as separator).

⛔ Store: Default Store View.

Please click on **Save** button to complete.

❓ Example:

The search phase is "Big". The search results will show all products regarding both "Big" and "Large".

- **Indexes**

Go to **Magenest Sphinx** > **Products**. then Search Indexes page will be shown.

There are two records that admins need to consider, include:

+ Products.

+ Categories.

➕ **Products**

Click on **Products**, there are two tabs will be shown, include:

➖ General Index Settings

● Searchable Attributes

There are some available attributes here, admin will add attributes that they want with **Weight** for searching.

Note: 1-minimum weight and 10-maximum weight.

● **Categories**

Click on Categories, then there are two tabs will be shown, include:

🔴 General Index Settings

🔴 Searchable Attributes

There are some available attributes here, admin will add attributes that they want with **Weight** for searching.

Note: 1-minimum weight and 10-maximum weight.

Update

- When a new update is available, we will provide you with a new package containing our updated extension.
- You will have to delete the module directory and repeat the installing steps above.
- Flush the config cache. Your store and newly installed module should be working as expected.

Support

- We will reply to support requests after **2 business days**.
- We will offer **lifetime free update and 6 months free support for all of our paid products**. Support includes answering questions related to our products, bug/error fixing to make sure our products fit well in your site exactly like our demo.
- Support **DOES NOT** include other series such as customizing our products, installation and uninstallation service.

Once again, thank you for purchasing our extension. If you have any questions relating to this extension, please do not hesitate to contact us for support.