



boxalino
Magento Plugin
User Manual

boxalino Magento Plugin User Manual

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1. Installation

1. Download and unzip the archive.
2. Go to the directory you just unzipped the plugin into.
3. Copy all files and directories into root Magento directory.
4. After installation, if you are logged into your Magento Admin Panel you will need to log out and log in again. It is also recommended that you fully refresh the Magento cache.

2. Update

In case when you receive a new version of our plugin to update, please unpack the .ZIP file in root directory of your Magento installation. All changes should be added automatically.

3. Configuration

The configuration is available in **System > Configuration** in Magento admin panel.



3.1. Boxalino General Configuration

All fields are mandatory. Some fields have default values.

Boxalino General Configuration:

- **Enabled plugin** – If yes, then all plugins are working
- **Frontend Logs Saving** – If yes, then search and autocomplete actions save information about Request into DI and Response from DI. Logs are saved in file `Magento_root_directory/var/boxalino_logs/request_xxx` (where xxx is currently date and time). Be careful, logs file might grow rapidly.
- **Logs Saving** – If yes, then all processes of plugin are registered to monitor memory usage and time. Logs are being saved in file `Magento_root_directory/var/boxalino_logs`. Be careful, logs file might grow rapidly.
- **Development environment** – If true, then development account is used
- **Domain** – Actual shop domain
- **Host** – URL of Boxalino server
- **Data Intelligence Username** – Username of the Data Intelligence account
- **Data Intelligence Password** – Password of the Data Intelligence account
- **Data Intelligence Account** – Account of the Data Intelligence account
- **P13n Username** – Username to access API
- **P13n Password** – Password to access API

Search Configuration:

- **Quick search** – Widget name for quick search. (In default it is created by Boxalino Data Intelligence)
- **Quick search limit** – Maximum number of products returned from Boxalino for quick search

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- **Advanced search** – Widget name for advanced search. (In default it is created by Boxalino Data Intelligence)
- **Advanced search limit** – Maximum number of products returned from Boxalino for advanced search
- **Autocomplete** – Widget name for autocomplete search. (In default it is created by Boxalino Data Intelligence)
- **Autocomplete limit** – Maximum number of words returned from Boxalino for autocomplete search
- **Autocomplete products limit** – Maximum number of products returned from Boxalino for autocomplete search
- **Id field name** – Product id field name (default: id)

Autocomplete View

- **Enable Magento logic** – If yes, then plugin will be use Magento models and logic to prepare results. In no, then plugin will be use data from DI, without
- **Mapping fields** - Write here comma-separated names of fields which you want to use in autocomplete (for example: title)
Colon separate name of attribute (left), from field name (right).
Example: color:product_color
Important: fields for product name and product url can't be change (title for product name, and url for product url)

Autocomplete Categories Configuration:

- **Enable autocomplete categories** – If yes, then autocomplete categories will be worked
- **Display for all term** – If no, then display categories for first term, if yes, then display categories for all terms
- **Number of categories for term** – Number of maximum quantity categories for term
- **Sorting by products quantity** – If yes, then sorting by number of products, if no, then sorting by products name (alphabetical)
- **Enable product preview for categories** – If yes, hovering the mouse cursor over the categories will display category specific images. This requires additional calls to our engine and slows down the autocompletion and can be turned off to improve the responsiveness.

Search Suggestion Configuration:

- **Enable search suggestion** - If yes, then search suggestion categories will be worked
- **Minimum for range** - Display suggestion, when quantity of products is fewer than this value
- **Maximum for range** - Display suggestion, when quantity of products is more than this value
- **Maximum number of suggestion** – Maximum quantity of suggestion
- **Sorting by products quantity** - If no, then sort by name

Search Relaxation Configuration:

- **Enable search relaxation** - If yes, then search suggestion categories will be worked
- **Maximum for quantity of products** - Display relaxation, when quantity of products is less than this value
- **Maximum of relaxations** - Maximum quantity of relaxations
- **Maximum of products for relaxation** – Maximum quantity of products per relaxation

Filters Configuration:

- **Enable filters (left side)** – If yes, then left filters will be worked
- **Left filters multioption** - If yes, then left filters will be in multioption mode (can select more than one filter)
- **Normal filters (left side)** - Write here comma-separated names of fields which you want to

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use as filters (for example: manufacturer)

Colon separate name of field (left) from option (middle), and order (right).

For order: 0 - alphabetical, 1 - count

- **Normal filters titles (left side)** - Write here comma-separated titles which should be displayed on page (in same order as names of fields)
- **Enable top filters** - If yes, then top filters will be worked
- **Top filters multioption** - If yes, then top filters will be in multioption mode (can select more than one filter)
- **Top filters** - Write here comma-separated names of fields which you want to use as top filters
- **Top filters titles** - Write here comma-separated titles which should be displayed on page (in same order as names of fields)

Tracking:

- **Enable plugin** - Tracking plugin status
- **Enable Sales Tracking** - Sales tracking plugin status
- **Enable Analytics** - Analytics plugin status
- **Character encoding** - Character encoding for the page (default: UTF-8)

jQuery Configuration:

- **Load jQuery File** - If yes, then you want to load jquery-1.10.2.min.js file from our module
- **Load jQuery noConflict File** - If yes, then you want to load jquery-noConflict.js file from our module

Boxalino General Configuration		
Enabled plugin	Yes	WEBSITE
Development environment	No	WEBSITE
Domain		WEBSITE
Host	cdn.bx-cloud.com	WEBSITE
Data Intelligence Username		WEBSITE
Data Intelligence Password		WEBSITE
Data Intelligence Account		WEBSITE
P13n Username		WEBSITE
P13n Password		WEBSITE

Search Configuration		
Quick search	search	WEBSITE
Quick search limit	0	WEBSITE
	0 - without limit	
Advanced search	search	WEBSITE
Advanced search limit	0	WEBSITE
	0 - without limit	
Autocomplete	autocomplete	WEBSITE
Autocomplete limit	8	WEBSITE
Autocomplete products limit	3	WEBSITE
Id field name	id	WEBSITE

Tracking		
Enable plugin	Yes	WEBSITE
Enable Sales Tracking	Yes	WEBSITE
Enable Analytics	Yes	WEBSITE
Character encoding	UTF-8	WEBSITE

Boxalino General Configuration image

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3.2. Boxalino Recommendation

Cart Configuration:

Widget configuration for recommendation on basket page.

- **Widget enabled** - Widget status
- **Widget name** - Widget name for cart recommendation. You have to create widget in Boxalino Data Intelligence (More in chapter 4.2 Recommendations)
- **Minimum recommendations** - Minimum number of products returned from Boxalino for cart recommendation
- **Maximum recommendations** - Maximum number of products returned from Boxalino for cart recommendation
- **Scenario** - Scenario name. Recommended scenario for cart: basket

Related Configuration:

Widget configuration for related recommendation on product page.

- **Widget enabled** - Widget status
- **Widget name** - Widget name for related recommendation. You have to create widget in Boxalino Data Intelligence (More in chapter 4.2 Recommendations)
- **Minimum recommendations** - Minimum number of products returned from Boxalino for related recommendation
- **Maximum recommendations** - Maximum number of products returned from Boxalino for related recommendation
- **Scenario** - Scenario name. Recommended scenario for related: product

Upsell Configuration:

Widget configuration for upsell recommendation on product page.

- **Widget enabled** - Widget status
- **Widget name** - Widget name for upsell recommendation. You have to create widget in Boxalino Data Intelligence (More in chapter 4.2 Recommendations)
- **Minimum recommendations** - Minimum number of products returned from Boxalino for upsell recommendation
- **Maximum recommendations** - Maximum number of products returned from Boxalino for upsell recommendation
- **Scenario** - Scenario name. Recommended scenario for upsell: product

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Manage Stores

Configuration

GENERAL

General

Web

Design

Currency Setup

Store Email Addresses

Contacts

Reports

Content Management

BOXALINO EXTENSIONS

Boxalino General Configuration

Boxalino Recommendation

Boxalino Exporter

CATALOG

Catalog

Inventory

Google Sitemap

RSS Feeds

Email to a Friend

CUSTOMERS

Newsletter

Customer Configuration

Wishlist

Promotions

Cart Configuration

Widget configuration for recommendation on basket page.

Widgets enabled

Yes

Website

Widget name

recommendation_cart

Website

Minimum recommendations

0

Website

Maximum recommendations

4

Website

Scenario

basket

Website

Related Configuration

Widget configuration for related recommendation on product page.

Widget enabled

Yes

Website

Widgets name

recommendation_related

Website

Minimum recommendations

0

Website

Maximum recommendations

4

Website

Scenario

product

Website

Upsell Configuration

Widget configuration for upsell recommendation on product page.

Widgets enabled

Yes

Website

Widget name

recommendation_upsells

Website

Minimum recommendations

0

Website

Maximum recommendations

4

Website

Scenario

product

Website

Boxalino Recommendation Configuration image

3.3. Boxalino Exporter

Data Export:

- **Export server** – Server, where data will be exported.
- **Language** - Language of your store view. Available: en, fr, de, it, es, zh, cz, ru
- **Additional Attributes** - Comma-separated names of attributes which you want to export
- **Export products url** – If yes, then url for products will be exported
- **Export products images url** – If yes, then url for products images will be exported
- **Export products thumbnail url** – If yes, then url for products thumbnails will be exported
- **Maximum amount of product to export** – How many products should be exported, 0 = all
- **Export Categories** – If yes, then categories will be exported
- **Export Tags** – If yes, then you want to export tags
- **Export Customers** - If yes, then you want to export customers
- **Export Transactions** - If yes, then you want to export transactions
- **Chunk size** – amount of products / customers / transactions / tags which are loaded per each loading

Important. You change the following value at your own risk:

If you set a bigger value then the process will be working faster, but it will need more memory usage.
If you set a smaller value it will need less memory but the process will be working slower.

This parameter depends on the server parameters. Example of memory usage:

*100 items -> 30M - 50M
500 items -> 50M - 70M
1000 items -> 75M - 100M
2000 items -> 90M - 125M
5000 items -> 110M - 150M
10000 items -> 130M - 180M*

If you have a lot of attributes to select, then the process will probably need more memory usage.

The screenshot displays the 'Boxalino Exporter' configuration page. On the left, a sidebar menu lists various configuration sections, with 'Boxalino Exporter' highlighted. The main content area, titled 'Export Data Configuration', contains a list of settings. Each setting has a label, a value field, and a scope indicator in brackets. The settings are: 'Language' set to 'en' with scope '[STORE VIEW]'; 'Additional Attributes' set to 'color' with scope '[WEBSITE]'; 'Maximum amount of product to export' set to '0' with scope '[WEBSITE]'; 'Export Categories' set to 'Yes' with scope '[WEBSITE]'; 'Export Tags' set to 'Yes' with scope '[WEBSITE]'; 'Export Customers' set to 'Yes' with scope '[WEBSITE]'; and 'Export Transactions' set to 'Yes' with scope '[WEBSITE]'. Each setting also includes a small help icon and a tooltip describing the field's purpose and available options.

Boxalino Exporter Configuration image

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4. Export

Export is available in **System->Index Management**. To export data, please click on **Reindex Data** next to **Boxalino Full Data Export** (or **Boxalino Delta Data Export** if you want to export only recently updated entries).

Index Management

Select All Unselect All Select Visible Unselect Visible 0 items selected					Actions	Reindex Data ▼	Submit
Index	Description	Mode	Status	Update Required	Updated At	Action	
Product Attributes	Index product attributes for layered navigation building	Update on Save	READY	NO	Jul 6, 2014 1:46:14 PM	Reindex Data	
Product Prices	Index product prices	Update on Save	READY	NO	Jul 6, 2014 1:47:20 PM	Reindex Data	
Catalog URL Rewrites	Index product and categories URL rewrites	Update on Save	REINDEX REQUIRED	NO	Never	Reindex Data	
Category Products	Indexed category/products association	Update on Save	REINDEX REQUIRED	NO	Never	Reindex Data	
Catalog Search Index	Rebuild Catalog product fulltext search index	Update on Save	REINDEX REQUIRED	NO	Never	Reindex Data	
Stock Status	Index Product Stock Status	Update on Save	READY	NO	Jul 6, 2014 1:46:16 PM	Reindex Data	
Tag Aggregation Data	Rebuild Tag aggregation data	Update on Save	REINDEX REQUIRED	NO	Never	Reindex Data	
Boxalino Full Data Export	Send all data to Boxalino	Update on Save	READY	NO	Jul 15, 2014 10:01:43 AM	Reindex Data	
Boxalino Delta Data Export	Send latest data to Boxalino	Update on Save	READY	NO	Jul 15, 2014 4:00:13 AM	Reindex Data	

Export image

When export is completed correctly, message: “Boxalino Full Data Export index was rebuilt.” will appear. After that all data are available in Data Intelligence.

To force synchronization immediately, execute “**product_data_sync**” task.



version 2.1

- General
- Data sources
- Semantic data
- Recommendations
- Exports
- Actions
 - Files
 - Database states
 - Scheduled tasks

Task processes

+ Add a new element ↑ Import from file

Search:

- ☐ ProcessCEMQueriesTask
- ☐ autocompletion
- ☐ generate_optimization
- ☐ main_sync

Showing 1 to 4 of 4 entries

All

Task processes image

5. First steps

When your Magento configuration will be done, then you can start with preparing your Data Intelligence account to work with your shop. As there is no data before the first reindex, the following problems may occur.

5.1 First data export

Firstly, you can meet a problem like:

“Server at http://localhost:7575/solr returned non ok status:404, message:Not Found”

In this case, please follow instructions below:

1. Go to option: **System-> Index Management** in your Magento Admin Panel and click on **Reindex Data**, next to **Boxalino Full Data Export**.

After first reindex you can meet an error:

“CEMException: Try to publish without should publish = true”

2. In the next step you must log in here: <http://di1.bx-cloud.com/frontend/dbmind/en/dbmind/login> (using your Data Intelligence credentials). Next go to options **Actions->Files** and in tab **“Actions”** click button **“Publish”**.



Configuration versioning in the Boxalino Data Intelligence

3. Then you can back to your Magento Admin Panel and execute reindex for **Boxalino Full Data Export** again.

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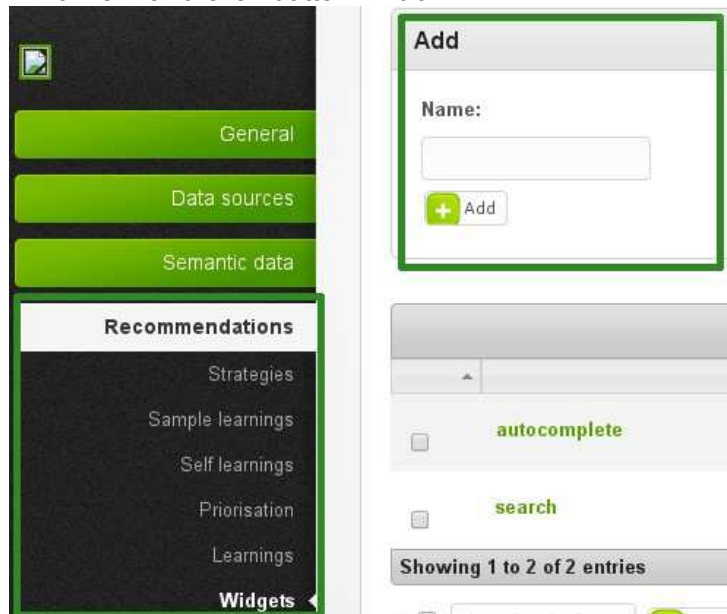
5.2 Recommendations

If you have enabled recommendation, then you can meet an error on your product or basket page:
“choice not found: widget_name”

Where “widget_name” can be name from “Widget name” from settings **System->Configuration->Boxalino Recommendation**

In this case, please follow instructions bellow:

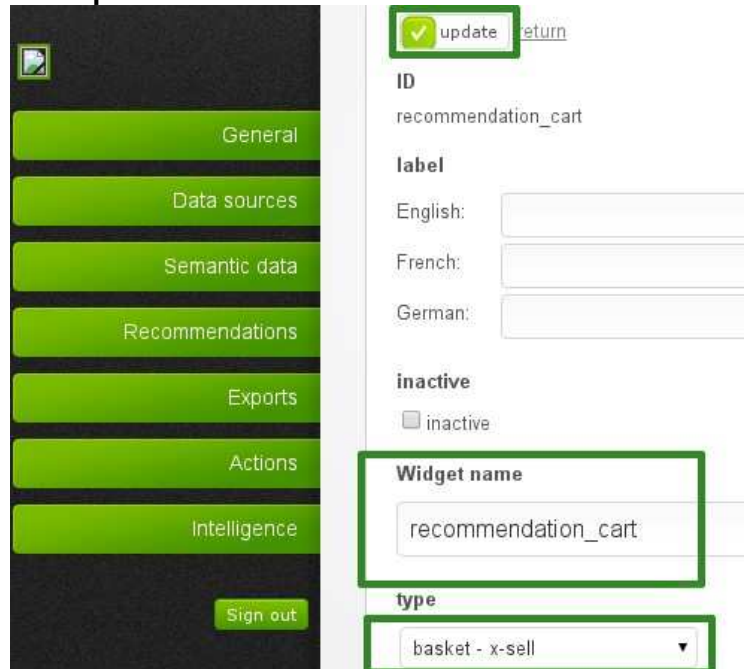
1. You login here: <http://di1.bx-cloud.com/frontend/dbmind/en/dbmind/login> (using your Data Intelligence credentials)
2. Go to option: **Recommendations->Widgets** and then click button **“Add a new element”**, fill input below **“Name:”** and click button **“Add”**



Boxalino Data Intelligence – creating new widget

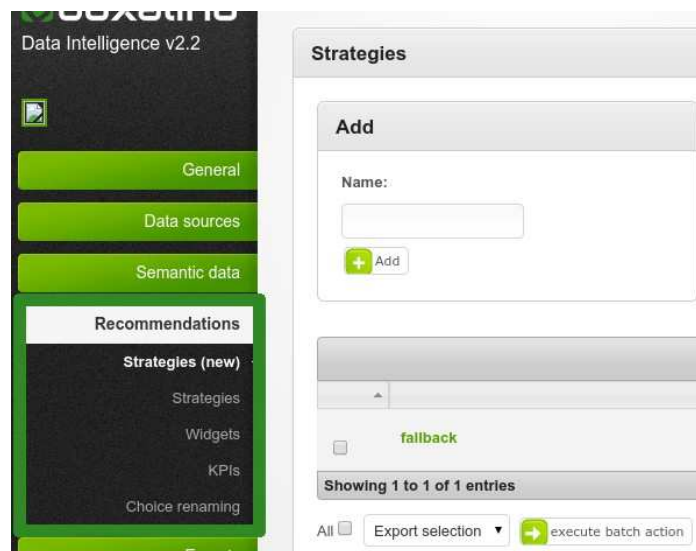
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- Using names from **Widget Name** option from your Magento Admin Panel is the best way. Fill input below **Widget Name** on next page (similar like text below “**ID**” on current page). In drop-down below “**type**” you can choose type of widget (we recommend “**basket – x-sell**” for basket recommendation and “**product – similar**” for product recommendation) . After that, click button “**Update**”.



Boxalino Data Intelligence – widget configuration

- In next step, go to **Recommendations->Strategies (new)** where you can create a new strategy for widget. Please fill input below “**Name:**” and click button “**Add**”.



Boxalino Data Intelligence – creating new strategy

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5. On next page you can configure how your strategy should work.

- Tab **“General”**
 - **Widgets** - You can choose which widget should use the strategy



The screenshot shows the 'edit_strategie' form with the 'General' tab selected. At the top, there are tabs for 'General', 'Search', 'Scope', and 'Merchandising'. Below the tabs, there is a green checkmark icon followed by 'update' and 'return' buttons. The form fields include: 'ID' (text input), 'search' (text input), 'widgets' (a dropdown menu with 'Select options' and a plus icon), and 'priority' (a text input field).

Boxalino Data Intelligence – strategy configuration

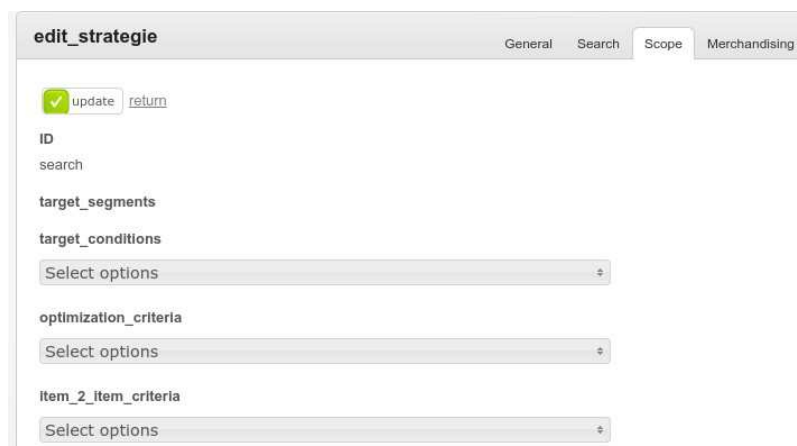
- Tab **“Search”**
 - **search_parameter** - Name of search parameter
 - **search_scope** – Parameter how results should be calculated



The screenshot shows the 'edit_strategie' form with the 'Search' tab selected. At the top, there are tabs for 'General', 'Search', 'Scope', and 'Merchandising'. Below the tabs, there is a green checkmark icon followed by 'update' and 'return' buttons. The form fields include: 'ID' (text input), 'search' (text input), 'search_parameter' (a text input field), and 'search_scope' (a text input field).

Boxalino Data Intelligence – strategy configuration

- Tab **“Scope”**
 - **target_conditions** – You can add conditions to filter products (you can create conditions in **Semantic data->Conditions**)
 - **optimization_criteria** – You can choose how recommendation should be optimized
 - **item_2_item_criteria** - You can choose which field should be used for item_2_item logic



The screenshot shows the 'edit_strategie' form with the 'Scope' tab selected. At the top, there are tabs for 'General', 'Search', 'Scope', and 'Merchandising'. Below the tabs, there is a green checkmark icon followed by 'update' and 'return' buttons. The form fields include: 'ID' (text input), 'search' (text input), 'target_segments' (text input), 'target_conditions' (a dropdown menu with 'Select options' and a plus icon), 'optimization_criteria' (a dropdown menu with 'Select options' and a plus icon), and 'item_2_item_criteria' (a dropdown menu with 'Select options' and a plus icon).

Boxalino Data Intelligence – strategy configuration

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- Tab “**Merchandising**”
 - **ranking** – You can choose which field should be used as ranking

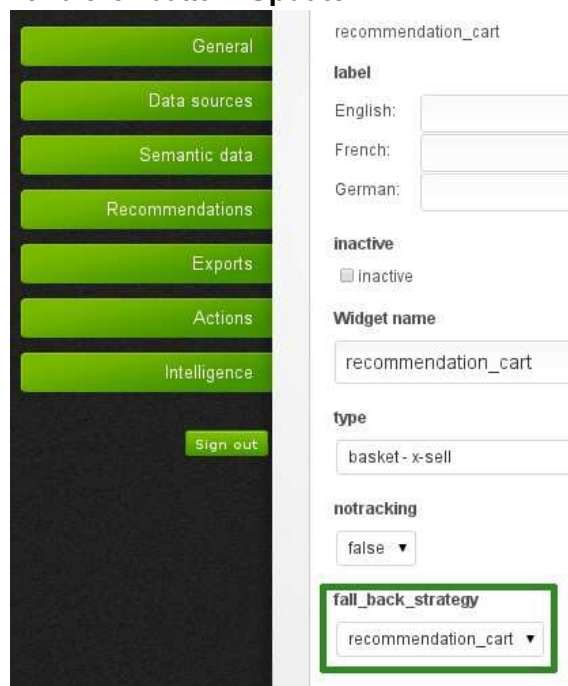


Boxalino Data Intelligence – strategy configuration

6. After full configuration of your strategy, you can click button “**Update**” in down-right corner.

Step 7 and 8 are additional and you do not need to perform them.

7. If you want, you can create more than 1 strategy for widget. Furthermore, you can add strategy as fall-back (fall-back strategy is used when no product is found for other strategies, then fall-back strategy should be general)
8. If you want to add your strategy as fall-back:
 - Don't connect this strategy with your widget in **Recommendations->Strategies (new)**
 - Back to **Recommendations->Widgets**, click “**edit**” on widget which you want to have fall-back
 - In drop-down below “**fall_back_strategy**” you can choose which strategy should be used as fall-back and click button “**Update**”



Boxalino Data Intelligence – widget configuration

9. When you have created widgets and strategies, then you can execute task “**generate_optimization**”. To do that, go to **Actions->Task processes**, click “**edit**” button near “**generate_optimization**” task. At the first time on next page you must fill input near “**customer**” with your **Data Intelligence Username**. Now click button “**update**”. Then click button “**execute task**”.
10. Sometimes you must wait about 5 minutes before cache reloads.

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5.3 Search

Similarly to recommendation, when you try to search something, you can meet the following problems:

“choice not found: search” or “choice not found: autocomplete”

In this case, you must create two new strategies: one named “search” - connected with widget “search” and the other “autocomplete” - connected with widget “autocomplete”.

In tab “Search” in first input near **“Search parameter:”** you must add the value “searchQuery” and in the other input you must add “title:10,body:1,scorerTerms:2”.



The screenshot shows the 'edit_strategy' configuration window with the 'Search' tab selected. At the top, there are tabs for 'General', 'Search', 'Scope', and 'Merchandising'. Below the tabs, there is a green checkmark icon, an 'update' button, and a 'return' link. The 'ID' field is set to 'search'. The 'search_parameter' field contains 'searchQuery'. The 'search_scope' field contains 'title:10,body:1,scorerTerms:2'.

Boxalino Data Intelligence – strategy configuration

When you create both strategies, you must execute **“generate_optimization”** task again.

6. Integration with custom template

6.1 Autocomplete search

Every integration is done using our file boxalino.xml from “app/design/frontend/base/default/layout”, but if you want to change something, you have to remember about the following things:

- You must use jQuery (latest version recommended)
- You must load our file: boxalinoAutocomplete.js
- For tracking, you can add line:
`<block type="boxalino/head" name="boxalino_head" as="boxalino_head" template="boxalino/head.phtml"/>`
to section “default”, reference “head” of your local.xml file.
- For autocomplete, Boxalino plugin override default top.search block:
`<reference name="top.search">
 <action method="setTemplate">
 <template>boxalino/catalogsearch/form.mini.phtml</template>
 </action>
</reference>`

But if you want to add our autocomplete to your own search template, you must adapt your template search code to the example code:

Example of implementation:

```
1. <?php
2.     /* @var $catalogSearchHelper Mage_Catalogsearch_Helper_Data */
3.     $catalogSearchHelper = $this->helper('catalogsearch');
4. ?>
5. <form id="search_mini_form" action="<?php echo $catalogSearchHelper->getResultUrl() ?>" method="get">
6.     <div class="input-box">
7.         <label for="search"><?php echo $this->__('Search: ') ?></label>
8.         <input
9.             id="search"
10.            type="search"
11.            name="<?php echo $catalogSearchHelper->getQueryParamName() ?>"
12.            value="<?php echo $catalogSearchHelper->getEscapedQueryText() ?>"
13.            class="input-text required-entry"
14.            maxlength="<?php echo $catalogSearchHelper->getMaxQueryLength();?>"
15.            placeholder="<?php echo $this->__('Search entire store here...') ?>" />
16.         <button type="submit" title="<?php echo $this->__('Search') ?>" class="button search-button">
17.             <span>
18.                 <span><?php echo $this->__('Search') ?>
19.             </span>
20.         </button>
21.     </div>
22.
23.     <div id="search_autocomplete" class="search-autocomplete"></div>
24.     <script type="text/javascript">
25.         //
26.         var searchForm = new Varien.searchForm('search_mini_form', 'search', '');
27.         searchForm.initAutocomplete('&lt;?php echo $catalogSearchHelper-&gt;getSuggestUrl() ?&gt;', 'search_autocomplete');
28.         //]]&gt;
29.     &lt;/script&gt;
30. &lt;/form&gt;</pre></div><div data-bbox="119 816 881 830" data-label="Text"><p>You can find example of implementation in “app/design/frontend/base/default/template/boxalino/catalogsearch/form.mini.phtml”</p></div><div data-bbox="91 842 873 874" data-label="Text"><p>Where “search_mini_form” in “Varien.searchForm” (line 27) is the ID of your search form, there correspondingly line 5 is for implementation.</p></div>
```

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6.2 Integration with search

The Plugin uses the core Magento logic for displaying search results.

If your Magento instance has the core search templates, then the search will work automatically.

But if you want to add our search result to your own result search template, you must adapt your template search code to the example code:

```
1  <?php
2  /** Magento ...*/
26 ?>
27 <?php if($this->getResultCount()): ?>
28     <?php echo $this->getMessagesBlock()->getGroupedHtml() ?>
29     <div class="page-title">
30         <?php if ($this->helper('rss/catalog')->getTagFeedUrl()): ?>
31             <a href="<?php echo $this->helper('rss/catalog')->getTagFeedUrl() ?>" class="nobr link-rss"><?php echo
32             $this->__('Subscribe to Feed') ?></a>
33         <?php endif; ?>
34         <h1><?php echo ($this->getHeaderText() || $this->getHeaderText() === false) ? $this->getHeaderText() :
35             $this->__('Search results for '%s'", $this->helper('catalogsearch')->getEscapedQueryText()) ?></h1>
36     </div>
37     <?php if ($messages = $this->getNoteMessages()):?>
38         <p class="note-msg">
39             <?php foreach ($messages as $message):?>
40                 <?php echo $message?><br />
41             <?php endforeach; ?>
42         </p>
43         <?php echo $this->getProductListHtml() ?>
44     <?php else: ?>
45         <div class="page-title">
46             <h1><?php echo ($this->getHeaderText() || $this->getHeaderText() === false) ? $this->getHeaderText() :
47                 $this->__('Search results for '%s'", $this->helper('catalogsearch')->getEscapedQueryText()) ?></h1>
48         </div>
49         <p class="note-msg">
50             <?php echo ($this->getNoResultText()) ? $this->getNoResultText() : $this->__('Your search returns no results.')
51             ?>
52             <?php if ($messages = $this->getNoteMessages()):?>
53                 <?php foreach ($messages as $message):?>
54                     <br /><?php echo $message?>
55                 <?php endforeach; ?>
56             <?php endif; ?>
57         </p>
58     <?php endif; ?>
```

You can find example of implementation in "app/design/frontend/base/default/template/catalogsearch/result.phtml"

In line 42 method `$this->getProductListHtml()` renders result list using `list.phtml` file.

In line 35 in `list.phtml` (as you can see below) the plugin loads product collection from search request.

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Example implementation for list.phtml:

```
34 <?php
35     $_productCollection=$this->getLoadedProductCollection();
36     $_helper = $this->helper('catalog/output');
37     ?>
38     <?php if(!$ _productCollection->count()): ?>
39     <p class="note-msg"><?php echo $this->__('There are no products matching the
40     selection.') ?></p>
41     <?php else: ?>
42     <div class="category-products">
43         <?php echo $this->getToolbarHtml() ?>
44         <?php // List mode ?>
45         <?php if($this->getMode()!='grid'): ?>
46         <?php $ _iterator = 0; ?>
47         <ol class="products-list" id="products-list">
48         <?php foreach ($ _productCollection as $ _product): ?>
49             <li class="item"><?php if( ++$ _iterator == sizeof($ _productCollection) ): ?>
50                 last<?php endif; ?>>
51                 <?php // Product Image ?>
52                 <a href=""><?php echo $ _product->getProductUrl() ?>" title=""><?php echo
53                 $this->stripTags($this->getImageLabel($ _product, 'small_image'), null, true) ?>"
54                 class="product-image"><img src=""><?php echo $this->helper('catalog/image')->init
55                 ($ _product, 'small_image')->resize(135); ?>" width="135" height="135" alt=""><?php
56                 echo $this->stripTags($this->getImageLabel($ _product, 'small_image'), null, true)
57                 ?>" /></a>
58                 <?php // Product description ?>
59                 <div class="product-shop">
60                     <div class="f-fix">
61                         <?php $ _productNameStripped = $this->stripTags($ _product->getName
62                         (), null, true); ?>
63                         <h2 class="product-name"><a href=""><?php echo
64                         $ _product->getProductUrl() ?>" title=""><?php echo $ _productNameStripped; ?>"><?php
65                         echo $ _helper->productAttribute($ _product, $ _product->getName(), 'name');
66                         ?></a></h2>
67                         <?php if($ _product->getRatingSummary()): ?>
68                         <?php echo $this->getReviewsSummaryHtml($ _product) ?>
69                         <?php endif; ?>
70                         <?php echo $this->getPriceHtml($ _product, true) ?>
71                         <?php if($ _product->isSaleable()): ?>
72                         <p><button type="button" title=""><?php echo $this->__('Add to
73                         Cart') ?>" class="button btn-cart" onclick="setLocation('"><?php echo
74                         $this->getAddToCartUrl($ _product) ?>')"><span><span><?php echo $this->__('Add to
75                         Cart') ?></span></span></button></p>
76                         <?php else: ?>
77                         <p class="availability out-of-stock"><span><?php echo
78                         $this->__('Out of stock') ?></span></p>
79                         <?php endif; ?>
80                         <div class="desc std">
81                         <?php echo $ _helper->productAttribute($ _product,
82                         $ _product->getShortDescription(), 'short_description') ?>
83                         <a href=""><?php echo $ _product->getProductUrl() ?>"
84                         title=""><?php echo $ _productNameStripped ?>" class="link-learn"><?php echo
85                         $this->__('Learn More') ?></a>
86                         </div>
87                         <ul class="add-to-links">
88                         <?php if ($this->helper('wishlist')->isAllow()) : ?>
89                         <li><a href=""><?php echo $this->helper('wishlist')
90                         ->getAddUrl($ _product) ?>" class="link-wishlist"><?php echo $this->__('Add to
91                         Wishlist') ?></a></li>
92                         <?php endif; ?>
93                         <?php if($ _compareUrl=$this->getAddToCompareUrl($ _product)):
94                         ?>
95                         <li><span class="separator">|</span> <a href=""><?php echo
96                         $ _compareUrl ?>" class="link-compare"><?php echo $this->__('Add to Compare')
97                         ?></a></li>
98                         <?php endif; ?>
99                     </ul>
100                 </div>
101             </li>
102         <?php endforeach; ?>
103     </ol>
104     <script type="text/javascript">decorateList('products-list',
105     'none-recursive')</script>
106     ?>
```

You can find example of implementation in "app/design/frontend/base/default/template/catalog/product/list.phtml"

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```
83
84 <?php else: ?>
85
86 <?php // Grid Mode ?>
87
88 <?php $_collectionSize = $_productCollection->count() ?>
89 <?php $_columnCount = $this->getColumnCount(); ?>
90 <?php $i=0; foreach ($_productCollection as $_product): ?>
91     <?php if ($i++%$_columnCount==0): ?>
92         <ul class="products-grid">
93             <?php endif ?>
94             <li class="item"<?php if((($i-1)%$_columnCount==0): ?> first<?php
elseif($i%$_columnCount==0): ?> last<?php endif: ?>">
95                 <a href="<?php echo $_product->getProductUrl() ?>" title="<?php echo
$this->stripTags($this->getImageLabel($_product, 'small_image'), null, true) ?>"
class="product-image">stripTags($this->getImageLabel($_product, 'small_image'), null, true)
?>" /></a>
96                 <h2 class="product-name"><a href="<?php echo $_product->getProductUrl
() ?>" title="<?php echo $this->stripTags($_product->getName(), null, true)
?>"><?php echo $_helper->productAttribute($_product, $_product->getName(), 'name')
?></a></h2>
97                 <?php if($_product->getRatingSummary()): ?>
98                     <?php echo $this->getReviewsSummaryHtml($_product, 'short') ?>
99                 <?php endif: ?>
100                 <?php echo $this->getPriceHtml($_product, true) ?>
101                 <div class="actions">
102                     <?php if($_product->isSaleable()): ?>
103                         <button type="button" title="<?php echo $this->__('Add to
Cart') ?>" class="button btn-cart" onclick="setLocation('<?php echo
$this->getAddToCartUrl($_product) ?>')"><span><span><?php echo $this->__('Add to
Cart') ?></span></span></button>
104                         <?php else: ?>
105                             <p class="availability out-of-stock"><span><?php echo
$this->__('Out of stock') ?></span></p>
106                         <?php endif: ?>
107                         <ul class="add-to-links">
108                             <?php if ($this->helper('wishlist')->isAllow(): ?>
109                                 <li><a href="<?php echo $this->helper('wishlist')
->getAddUrl($_product) ?>" class="link-wishlist"><?php echo $this->__('Add to
Wishlist') ?></a></li>
110                             <?php endif: ?>
111                             <?php if($_compareUrl=$this->getAddToCompareUrl($_product)):
?>
112                                 <li><span class="separator">|</span> <a href="<?php echo
$_compareUrl ?>" class="link-compare"><?php echo $this->__('Add to Compare')
?></a></li>
113                             <?php endif: ?>
114                         </ul>
115                     </div>
116                 </li>
117                 <?php if ($i%$_columnCount==0 || $i==$_collectionSize): ?>
118                     </ul>
119                 <?php endif ?>
120             <?php endforeach ?>
121             <script type="text/javascript">decorateGeneric($$('ul.products-grid'),
['odd', 'even', 'first', 'last'])</script>
122             <?php endif: ?>
123
124         <div class="toolbar-bottom">
125             <?php echo $this->getToolbarHtml() ?>
126         </div>
127     </div>
128 <?php endif: ?>
129
```

You can find example of implementation in "app/design/frontend/base/default/template/catalog/product/list.phtml"

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6.3 Integration with search filters

Plugin can filter results by extra filters.

You can enable any filters in **Catalog -> Attributes -> Manage attributes**. Next, select attribute by clicking at name, and change configuration (from **no** to **yes**) in section “Fronted Properties”:

- Use in Quick Search (for full text search) and/or Use in Advanced Search (for advanced search)
- Use In Search Results Layered Navigation.

After saving the attributes, filter(s) will be available on search result page.

6.4 Integration with recommendation

Currently plugin uses the core Magento recommendation blocks:

- Product page : related, upsell
- Cart page: crosssell

If your Magento instance has the core recommendation blocks, then the recommendation will work automatically.

6.5 Autocomplete view

6.5.1 Queries view

```
80         if ($autocompleteConfig['enabled'] && count($item['facets']) > 0 && (($all == false && $index == 0)
81         || ($all && $index >= 0))) {
82             $html .= '<li data-word="' . $item['id'] . '" title="' . $this->escapeHtml($item['title']) . '"
83             class="' . $item['row_class'] . '">'
84             . '<span class="query-title">' . $item['html'] . '</span><span class="amount">(' .
85             $item['num_of_results'] . ')</span></li>';
86
87             $c = 0;
88             foreach ($item['facets'] as $facet) {
89                 if ($c++ >= $autocompleteConfig['items']) {
90                     break;
91                 }
92                 $html .= '<a class="facet" data-word="' . $facet['id'] . '" title="' . $this->escapeHtml
93                 ($item['title']) . '&bx_categories[0]=' . urlencode($facet['href']) . '" href="' . $resultUrl . '?q=' .
94                 $this->escapeHtml($item['title']) . '&bx_categories[0]=' . urlencode($facet['href']) . '"><li data-word="' .
95                 $facet['id'] . '" class="facet ' . $item['row_class'] . '" title="' . $this->escapeHtml($facet['title']) . '"
96                 ><span class="query-title">' . $this->escapeHtml($facet['title']) . '</span><span class="amount">(' .
97                 $facet['hits'] . ')</span></li></a>';
98             }
99             } else {
100                 $html .= '<li data-word="' . $item['id'] . '" title="' . $this->escapeHtml($item['title']) . '"
101                 class="' . $item['row_class'] . '">'
102                 . '<span class="query-title">' . $item['html'] . '</span><span class="amount">(' .
103                 $item['num_of_results'] . ')</span></li>';
104             }
105         }
```

You can find example of implementation in “app/code/local/Boxalino/CemSearch/Block/Autocomplete”

Information:

- and <a> must has data-word attribute

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6.5.2 Products View

View for Magento way:

```
115         $product = Mage::getModel('catalog/product')->load($prod['id']);
116         if ($prod['hash'] == $this->_first){
117             $html .= '<li data-word=' . $prod['hash'] . ' class="product-autocomplete" title=' .
118             $this->escapeHtml($product->getName()) . '>';
119         } else{
120             $html .= '<li style="display:none" data-word=' . $prod['hash'] . '
121             class="product-autocomplete" title=' . $this->escapeHtml($product->getName()) . '>';
122         }
123         $html .= '<a href=' . $product->getProductUrl() . ' >';
124         $html .= '<div class="product-image"><img src=' . $product->getThumbnailUrl() . ' alt='
125         . $product->getName() . ' /></div>';
126         $html .= '<div class="product-title"><span> . $product->getName() . '</span></div>';
127         $html .= '</a>';
128         $html .= '</li>';
```

You can find example of implementation in "app/code/local/Boxalino/CemSearch/Block/Autocomplete"

Information:

- must has data-word attribute

View for Boxalino way

```
142         $html = '';
143
144         if($product['hash'] == $this->_first){
145             $html .= '<li style="display:block" data-word=' . $product['hash'] . '
146             class="product-autocomplete" title=' . $this->escapeHtml($product['title']) . '>';
147         } else{
148             $html .= '<li style="display:none" data-word=' . $product['hash'] . ' class="product-autocomplete"
149             title=' . $this->escapeHtml($product['title']) . '>';
150         }
151
152         $html .= '<a href=' . $product['url'] . ' >';
153         unset($product['url']);
154         unset($product['hash']);
155         unset($product[Mage::getStoreConfig('Boxalino_General/search/entity_id')]);
156
157         foreach($this->_order as $f){
158             if($f == 'image'){
159                 $html .= '<div class="product-' . $f . '"><img src=' . $product[$f] . ' alt=' .
160                 $product['title'] . ' style="max-height:75px; max-width:75px;" /></div>';
161             } elseif(isset($product[$f])){
162                 $html .= '<div class="product-' . $f . '"><span> . $product[$f] . '</span></div>';
163             }
164         }
165
166         $html .= '</a>';
167         $html .= '</li>';
```

You can find example of implementation in "app/code/local/Boxalino/CemSearch/Block/Autocomplete"

Information:

- must has data-word attribute
- Order for data is exactly same like in configuration: Autocomplete View → Mapping fields

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6.6 Integration with filters

6.6.1 Left filters

```
1 <?php $filters = $this->getLeftFilters(); ?>
2 <?php if (!empty($filters)): ?>
3     <div class="left-filters">
4         <?php foreach ($filters as $key => $filter): ?>
5             <div class="filter">
6                 <div class="filter-title"><?php echo $filter['title']; ?></div>
7                 <ul class="values">
8                     <?php foreach ($filter['values'] as $value): ?>
9                         <li class="value">
10                            <a href="<?php echo $value['url'] ?>"><?php echo $value['stringValue'] . ' (' .
11                            $value['hitCount'] . ') ' ?></a>
12                            </li>
13                        <?php endforeach; ?>
14                    </ul>
15                </div>
16            <?php endforeach; ?>
17        </div>
18    <?php endif; ?>
```

You can find example of implementation in “app/design/frontend/base/default/template/boxalino/left_filters.phtml”

6.6.2 Top filters

```
1 <?php $filters = $this->getTopFilters(); ?>
2 <?php if (!empty($filters)): ?>
3     <div class="top_filters" style="...">
4         <?php foreach ($filters as $key => $filter): ?>
5             <div class="value" style="...">
6                 <?php if ($filter['selected']) echo '<strong>' ?>
7                 <a href="<?php echo $filter['url'] ?>"><?php echo $filter['title'] . ' (' . $filter['hitCount']
8                 . ') ' ?></a>
9                 <?php if ($filter['selected']) echo '</strong>' ?>
10            </div>
11        <?php endforeach; ?>
12    </div>
13    <?php endif; ?>
```

You can find example of implementation in “app/design/frontend/base/default/template/boxalino/top_filters.phtml”

6.7 Integration with search suggestions

```
1 <?php $session = Mage::getSingleton("core/session");
2 $relax = $session->getData("relax");
3 $catalogSearchHelper = $this->helper('catalogsearch');
4 ?>
5
6 <?php if (count($relax) > 0): ?>
7     <div class="suggest">
8         <div class="header"><?php echo $this->__("Did you mean"); ?></div>
9         <ul class="suggestions">
10             <?php foreach ($relax as $r): ?>
11                 <li>
12                     <a href="<?php echo $catalogSearchHelper->getResultUrl() . '?q=' . $r['href']; ?>"><?php
13                     echo $r['text'] . ' (' . $r['hits'] . ')'; ?></a>
14                 </li>
15             <?php endforeach; ?>
16         </ul>
17     </div>
18    <?php endif; ?>
```

You can find example of implementation in “app/design/frontend/base/default/template/boxalino/relaxation_suggestion.phtml”

6.8 Integration with relaxation products

You can find example of implementation in

“app/design/frontend/base/default/template/boxalino/catalogsearch/relaxation_products.phtml”

7. Additional information

7.1 How to disable Search functionality

If you need only Export functionality (when you have custom Search), you can disable our Search.

To disable Search plugin:

1. Configure account (**System** → **Configuration** → **Boxalino General Configuration**).
2. Change line “<active>true</active>” to “<active>false</active>” in file `app/etc/modules/Boxalino_CemSearch.xml`.

To enable plugin, change line “<active>false</active>” to “<active>true</active>”