

Elastic Search

Documentation

Elastic Search

- A feature which enables consumers to effectively search content in the marketplace using keywords.
- Uses API to sync and communicate with Elastic.co, the search engine used for the elastic search feature.



Elastic Search

Do you want a more customize search engine logic?

You can begin by having your marketplace with Elastic.co search engine logic.

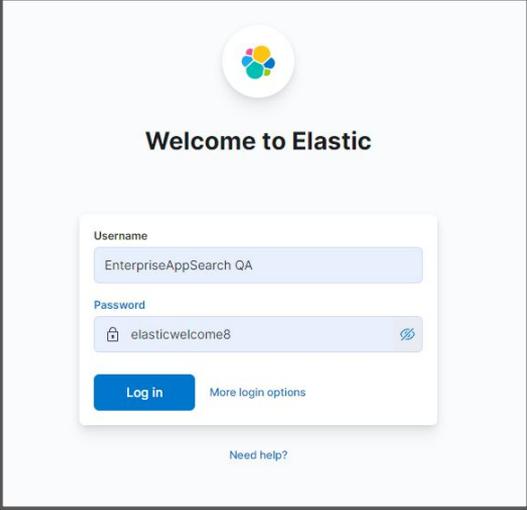


Elastic Search - Steps

- By protocol, request Sir Erick to create an elastic search engine for your marketplace by providing your generated engine name.
- Once done, visit this [link](#) to gain access to the created elastic search engine.

Engine Name

Note: Edge and Firefox are recommended browsers



Welcome to Elastic

Username
EnterpriseAppSearch QA

Password
elasticwelcome8

Log in More login options

Need help?

Elastic Search - Steps

- Under Credentials, copy the following details to your marketplace.

1. Enter in the necessary inputs

Endpoint

Engine Name

arcgeontest1-arcadier

Private Key

Search Key

Save Test Connection

App Search

Endpoint

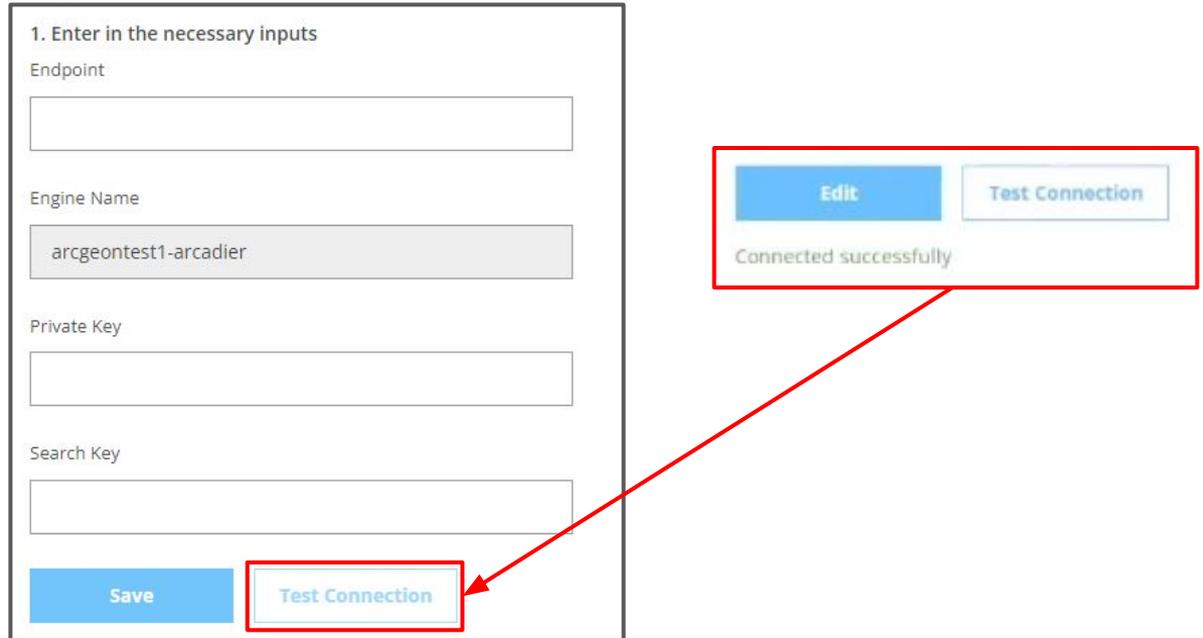
https://83aa467ac47d4e19b300ac0371675578.ent-search.southeastasia.azure.elastic-cloud.com

API keys

Name	Type	Key	Modes	Engines
0426	Private API Key	.....	read/write	all
0426-sk	Public Search Key	.....	search	all
0613bpdianaedit-arcadier	Private API Key	.....	read/write	0613bpdianaedit-arcadier
0613bpdianaedit-arcadier-skey	Public Search Key	.....	search	0613bpdianaedit-arcadier
aeda-live-private-key	Private API Key	.....	read/write	all
aeda-live-search-key	Public Search Key	.....	search	all
aedastaging	Public Search Key	.....	search	aedamarketplace-staging
private-key	Private API Key	.....	read/write	all
search-key	Public Search Key	.....	search	all
shopadelaide	Public Search Key	.....	search	shopadelaide-staging

Elastic Search - Steps

- You may click **Test Connection** to verify if the connection is successful.



1. Enter in the necessary inputs

Endpoint

Engine Name

Private Key

Search Key

Connected successfully

A red box highlights the 'Test Connection' button at the bottom of the form. A red arrow points from the 'Test Connection' button in the top right corner to the 'Test Connection' button in the bottom right corner.

Elastic Search - Steps

- The 2nd step is a new enhancement to the elastic search feature. Field names with no checkboxes are mandatory fields, whilst the remaining fields are marketplace-generated.

2. Select fields to sync

<input type="checkbox"/>	Field Name	Elastic Name	Field Type
	Guid	id	text
	Name	name	text
<input checked="" type="checkbox"/>	StockQuantity	quantity	number
<input checked="" type="checkbox"/>	StockLimited	stock_limited	text
<input type="checkbox"/>	ChildItems	child_items	text
<input type="checkbox"/>	VariantNames	variant_names	text
<input type="checkbox"/>	MerchantMediaUrl	merchant_media_url	text

Save

Elastic Search - Steps

- Below the marketplace-generated fields are the custom fields created in the marketplace. Their field name and elastic name follow a specific format.

2. Select fields to sync

<input type="checkbox"/>	Field Name	Elastic Name	Field Type
<input type="checkbox"/>	allCat_Text field_NM2 (64087-allCat_Textfield_NM2-Bh1YKE0wQG)	cf_allcat_textfield_nm2_217676	text
<input type="checkbox"/>	allCat_Check Box_NM1 (64087-allCat_CheckBox_NM1-IMgO3FWxO0)	cf_allcat_checkbox_nm1_217683	text
<input type="checkbox"/>	allCat_Check Box_NM2 (64087-allCat_CheckBox_NM2-TIPYIOziSR)	cf_allcat_checkbox_nm2_217684	text
<input type="checkbox"/>	allCat_Drop Down_NM1 (64087-allCat_DropDown_NM1-cNHIHhn6yk)	cf_allcat_dropdown_nm1_217685	text
<input type="checkbox"/>	allCat_Drop Down_NM2 (64087-allCat_DropDown_NM2-CDIt3catbR)	cf_allcat_dropdown_nm2_217686	text
<input type="checkbox"/>	SP_Text field_M1 (64087-SP_Textfield_M1-17PIPX3Pg6)	cf_sp_textfield_m1_217692	text
<input type="checkbox"/>	SP_Text field_M2 (64087-SP_Textfield_M2-b2sx7PoSk3)	cf_sp_textfield_m2_217693	text

Elastic Search - Field Name Format

Field name

allCat_Text field_NM2 (64087-allCat_Textfield_NM2-Bh1YKE0wQG)

Custom field name

Generated key from backend/database

Elastic name

cf_allcat_textfield_nm2_217676

Tag

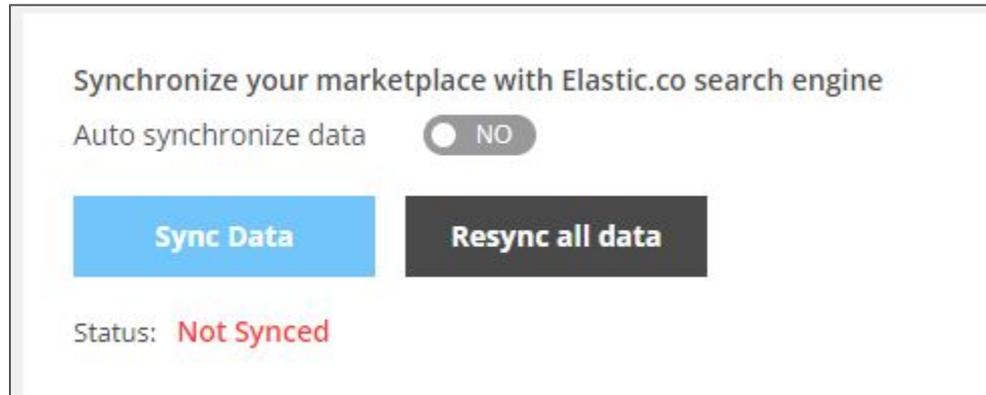
Custom field name

Key/ID

* custom dropdown and checkboxes are converted into text/string datatype.

Elastic Search - Steps

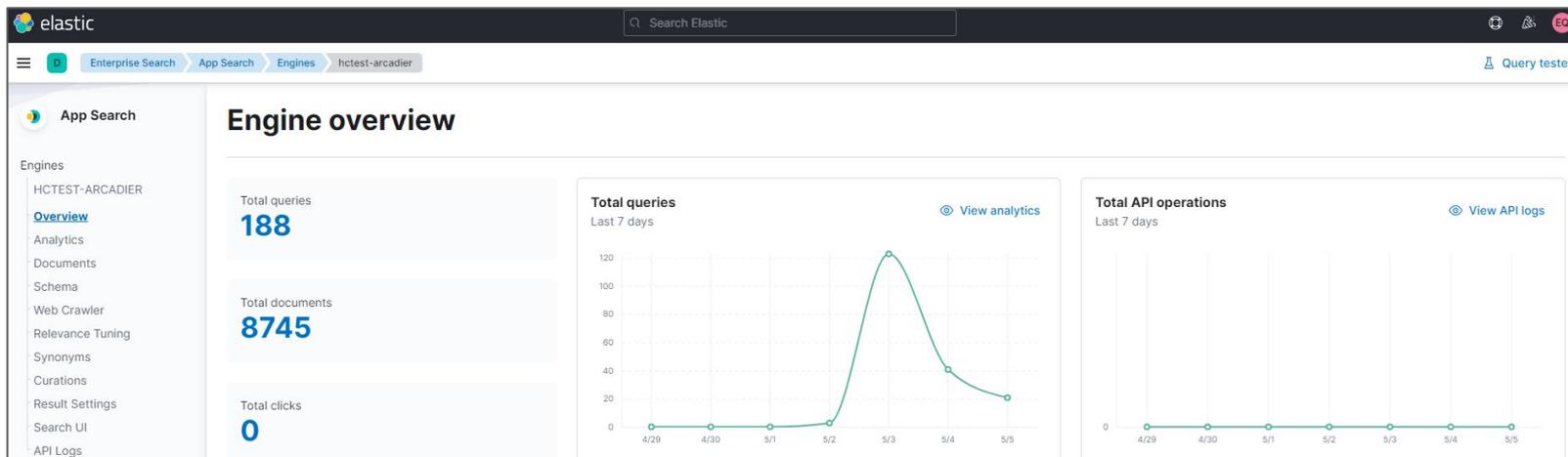
- **Sync Data** will overwrite and append existing data from the marketplace to the Elastic.co search engine
- **Resync all data** will reset all synced data in the Elastic.co search engine and sync the selected fields in the marketplace.



**The Auto synchronize data toggle currently does not work*

Elastic Search - Steps

- The Overview page shows the marketplace's engine statistics. It displays the total queries and total API operations in a given time span through a graph.



Elastic Search - Steps

- The Analytics page shows query statistics in different variations. It displays the top searched items, top search items with no results, or even displays clicked queries.

The screenshot displays the Elastic Search Analytics interface. The top navigation bar includes the Elastic logo, a search bar, and user information. The breadcrumb trail shows the path: Enterprise Search > App Search > Engines > hctest-arcadier > Analytics. The left sidebar lists various engine-related options, with 'Analytics' selected. The main content area is titled 'Query analytics' and provides insight into frequent queries and those with no results.

Query analytics

Gain insight into the most frequent queries, and which queries returned no results.

Top queries

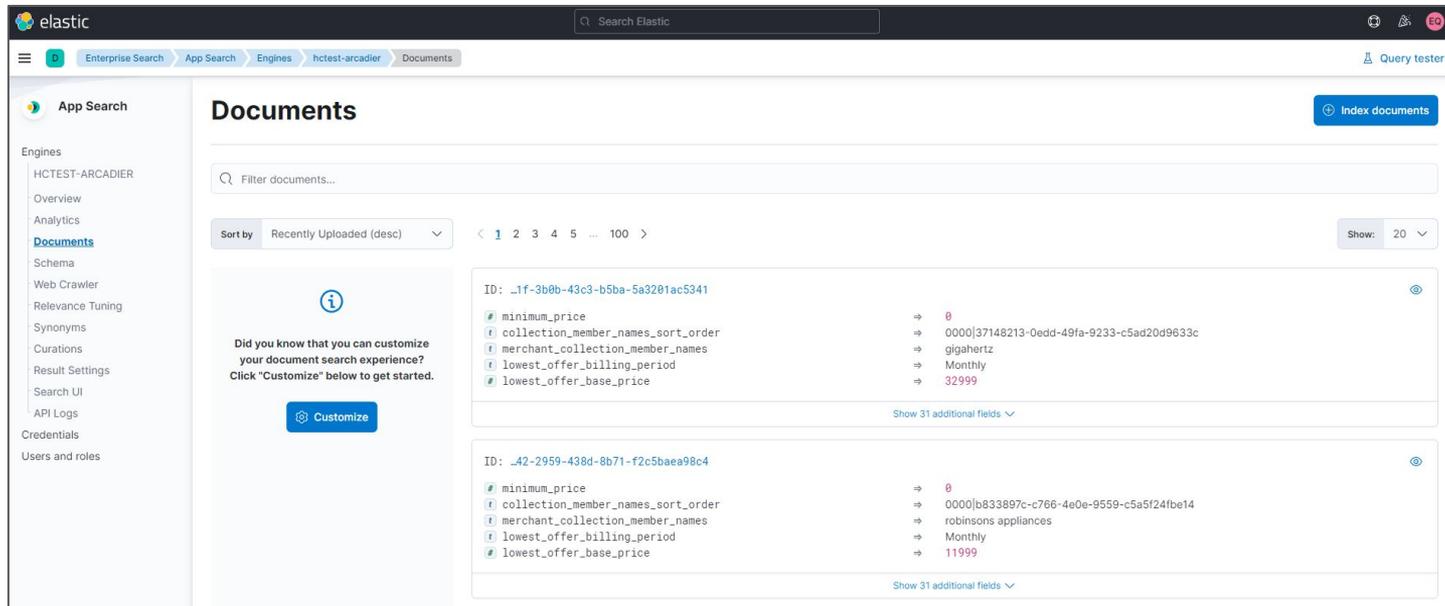
Search term	Analytics tags	Queries	Clicks	
""		150	0	👁️ 🗑️
fortnite		4	0	👁️ 🗑️
pack		4	0	👁️ 🗑️
xtreme home blue oven		3	0	👁️ 🗑️
diana item_search		2	0	👁️ 🗑️
iphone		2	0	👁️ 🗑️
oppo a95 & cz pro classic t		2	0	👁️ 🗑️
perfect		2	0	👁️ 🗑️
razer		2	0	👁️ 🗑️
vivo		2	0	👁️ 🗑️

Top queries with no results

Search term	Analytics tags	Queries	
""		12	👁️ 🗑️
feb3tag		1	👁️ 🗑️
sdfsd sdf		1	👁️ 🗑️

Elastic Search - Steps

- The Documents page shows the selected synced data from the marketplace. The selected fields from the marketplace should be displayed here.



The screenshot displays the Elastic Search interface for the 'Documents' page. The left sidebar shows navigation options like 'App Search', 'Engines', and 'Documents'. The main content area features a search bar, a 'Sort by' dropdown set to 'Recently Uploaded (desc)', and a 'Show: 20' dropdown. Two document entries are visible, each with an ID and a list of fields and values.

Document 1:

- ID: `..1f-3b0b-43c3-b5ba-5a3201ac5341`
- Fields and values:
 - `minimum_price`: 0
 - `collection_member_names_sort_order`: 0000[37148213-0edd-49fa-9233-c5ad20d9633c
 - `merchant_collection_member_names`: gigahertz
 - `lowest_offer_billing_period`: Monthly
 - `lowest_offer_base_price`: 32999

Document 2:

- ID: `..42-2959-438d-8b71-f2c5baea98c4`
- Fields and values:
 - `minimum_price`: 0
 - `collection_member_names_sort_order`: 0000[b833897c-c766-4e0e-9559-c5a5f24be14
 - `merchant_collection_member_names`: robinsons appliances
 - `lowest_offer_billing_period`: Monthly
 - `lowest_offer_base_price`: 11999

Elastic Search - Relevance Tuning

- The Relevance Tuning page gives control to the user on how tolerable the search engine will be. The user is able to give or reduce weight on different synced fields.

The screenshot displays the Elastic Search Relevance Tuning page for the 'hctest-arcadier' engine. The interface is divided into several sections:

- Navigation:** The top navigation bar includes 'Enterprise Search', 'App Search', 'Engines', 'hctest-arcadier', and 'Relevance Tuning'. A search bar for 'Search Elastic' and a 'Query tester' link are also present.
- Left Sidebar:** A sidebar for 'App Search' lists various engine settings: Engines, HCTEST-ARCADIER, Overview, Analytics, Documents, Schema, Web Crawler, **Relevance Tuning** (highlighted), Synonyms, Curations, Result Settings, Search UI, API Logs, Credentials, and Users and roles.
- Relevance Tuning Section:** The main heading is 'Relevance Tuning' with a subtitle 'Manage precision and relevance settings for your engine'. It includes 'Restore defaults' and 'Save' buttons.
- Precision tuning:** A section titled 'Precision tuning' with the subtitle 'Fine tune the precision vs. recall settings on your engine. [Learn more.](#)'. It features a slider between 'Recall' (1) and 'Precision' (11), with the current value set at 2. Below the slider, it states: 'Default: Less than half of the terms have to match. Full typo tolerance is applied.'
- Preview:** A 'Preview' section containing a search input field with the placeholder 'Search hctest-arcadier' and a '6d' icon. Below the input, it says 'Enter a query to see search results'.
- Manage fields:** A section titled 'Manage fields' with a search input 'Filter 36 fields...'. It lists two fields:
 - minimum_price** (number) with a weight of 0.
 - collection_member_names_sort_order** (text) with a weight of 1.

Elastic Search - Relevance Tuning

Precision tuning

Fine tune the precision vs. recall settings on your engine. [Learn more.](#)



Default: Less than half of the terms have to match. Full typo tolerance is applied.

collection_member_names_sort_order
text 1

Text search
 Search this field

Weight
 1

Boosts
Add boost ▼

- Precision tuning is a general control for the behaviour of the search engine. More recall tolerates a broader search while more precision provides a stricter engine.

- You can set the weight per field in the Manage Fields section of the page. Setting the weight to 0 disables the field from the search engine.