

1.4 Search Syntax

This enhancement is only available in KiyoCRM from version 7.11 onwards.

KiyoCRM Elasticsearch engine makes use of Elasticsearch's *Query String DSL*. This allows very advanced search query to be performed.

For a complete understanding check the [official documentation](#). A quick overview will be provided here.

Examples

Search for all the records having both 'John' and 'Doe' in any field:

```
John AND Doe
```

Search for all the records having the first name 'John' (note that this won't include 'Johnny'):

```
name.first:John
```

Search for all the records having with the name starting with 'John':

```
named:John*
```

Search for all the Accounts having 'corp' in their name:

```
named:corp AND _type:Accounts
```

Joining

By default, keywords are joined by OR clauses, meaning that searching for `John Doe` will be the same as searching for `John OR Doe`. Of course, results containing both 'John' and 'Doe' will appear on top.

Boosting

Names are boosted, meaning that if one of the keywords matches in the name the record will very likely appear on top.

Wildcards

By default the entire keywords must match. Thus, searching with 'John' won't match someone named 'Johnathan'. To do that you need to use a wildcard character. Can be use interchangeably to replace zero or more characters. `?` can be used to replace exactly one character.

Search for both 'John' and 'Johnathan':

```
named:john*
```

Search for all the surnames starting with either 'Mc' or 'Mac':

```
name.last:(Mc* OR Mac*)
```

Wildcards can be used at the beginning of the keyword too, but it will make the search slightly slower.

Search for all the records having the last name ending with 'Connor':

```
name.last:*connor
```

Searching by modules

You can restrict search to one or more module by using the `_type` keyword and the module name.

Search for all the Users:

```
_type:Users
```

Fuzzy search

Using the `~` will make a keyword fuzzy, meaning that it will make a proximity search, finding all matches that have one different character (distance). The distance can be customized by adding a number after the tilde,

Search for 'Mackenzie', 'McKenzie', 'Makenzie', etc.

```
MacKenzie~3
```

Metadata

Each records have the following meta fields that can be searched:

- meta.created.date
- meta.created.user_id
- meta.created.user_name
- meta.modified.date
- meta.modified.user_id
- meta.modified.user_name
- meta.assigned.user_id
- meta.assigned.user_name

Search all the records created by 'John Doe':

```
meta.created.user_name: (John Doe)
```

Search all the records modified on the first of August.

```
meta.modified.date: "2018-08-01"
```

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