

# Release note

## Elasticsearch in Movida and Sequence

### Release date: 16 April 2015

Movida and Sequence use search engine technology to provide the features you rely on to find content. On 16 April we updated our applications to replace the **Sphinx** search engine with **Elasticsearch**.

Our intent was for this change to be transparent to users whilst laying the foundations for great new features, but there is one change in the search behaviour and other features worth mentioning. Read on!

This note describes what has changed in full, and as usual you can contact **support** or your technical account manager for further clarification.

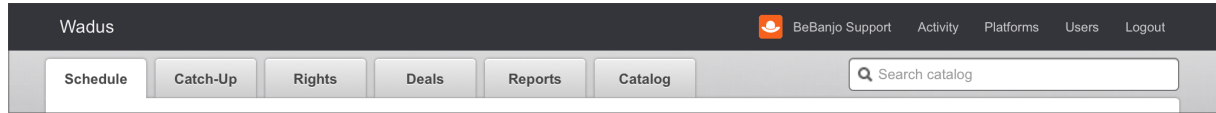
### BeBanjo reference(s)

Application	Issue	Title
movida	3157	Replace Sphinx with Elasticsearch
sequence	590	Replace Sphinx with Elasticsearch

## Tips and tricks for productive searching

### Orientation

In **Movida**, there's an omnipresent **Search catalog** field:

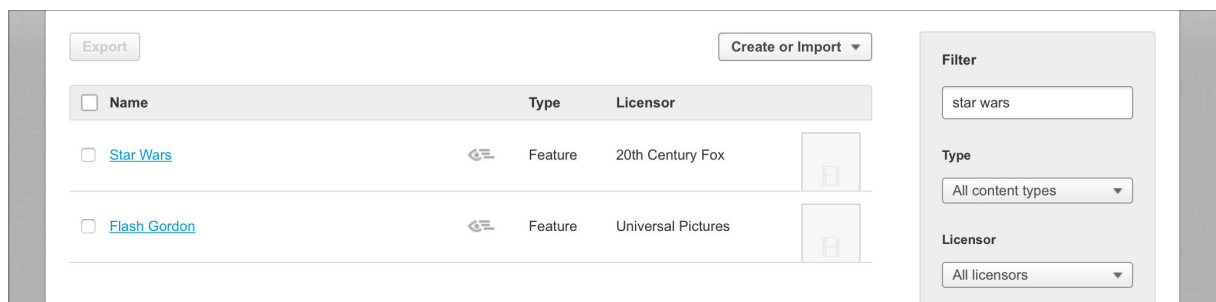


No matter where you are in Movida, performing a search with that field takes you to the Catalog page. The Schedule, Rights, and Catalog pages also include a Filter field.

In **Sequence**, the Overview page includes a search field that searches **all** Jobs, and the Work page has a search field used to filter the type of work (e.g. Pending) that you're focussed on.

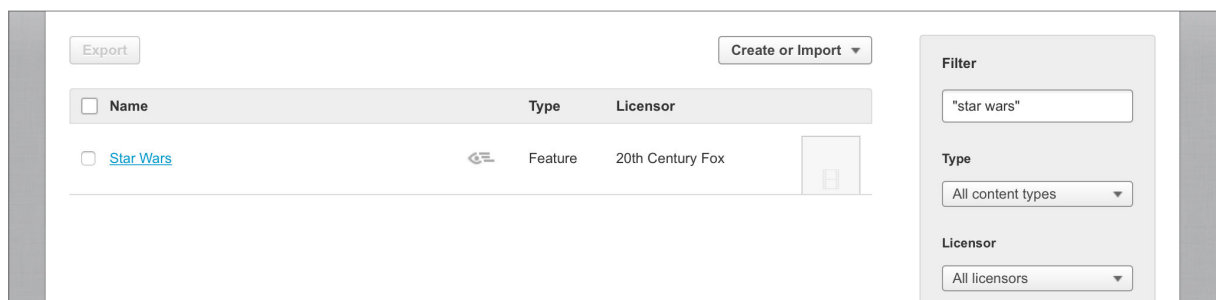
### Phrasing is important

Here you can see I've searched, in Movida, for **star wars** and the results might not be what you expect:



Even though **Flash Gordon** is way better than Star Wars, in this case it wasn't what I was looking for.

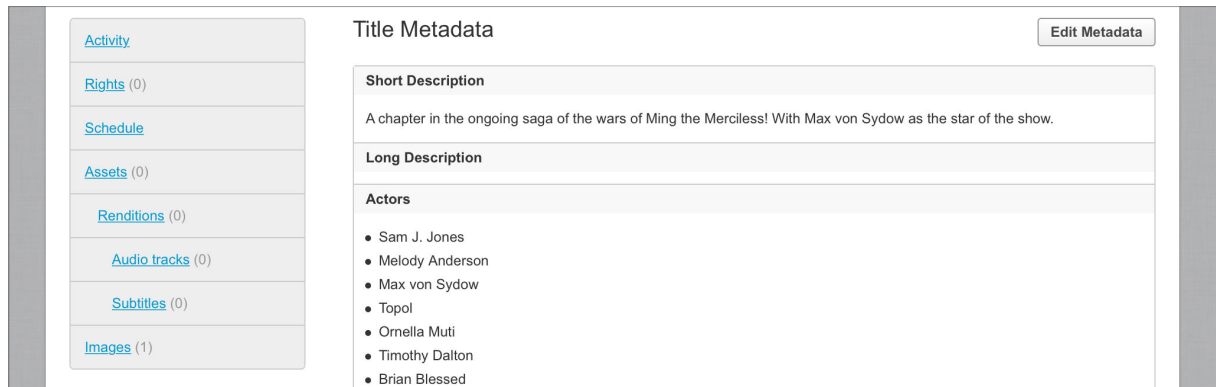
However, if I search for **"star wars"** (note the quotes) here's the result:



When searching for **star wars** the search engine will look for **star or wars**, but when searching for **"star wars"** (i.e. with quotes) the search engine will look for that *exact phrase*.

This is how searching has always behaved in Movida and Sequence, but it's a useful feature that you might not know about.

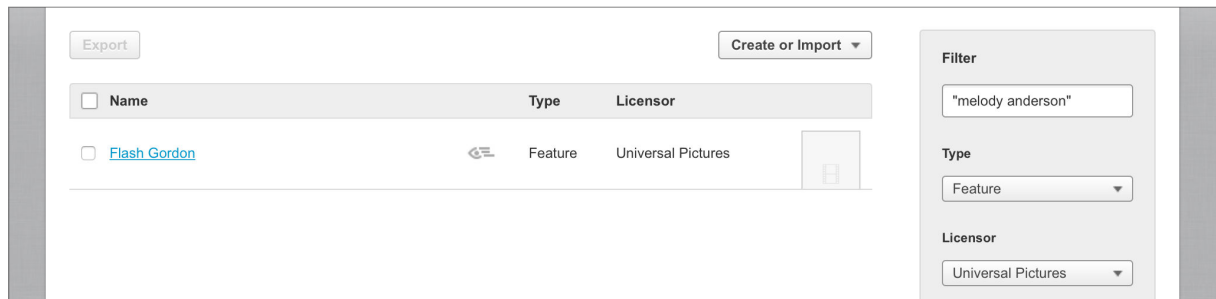
You might be wondering why Flash Gordon was returned at all, what's he got to do with Star Wars? Here's why:



The screenshot shows the 'Title Metadata' page for 'Flash Gordon'. On the left is a sidebar with links to Activity, Rights (0), Schedule, Assets (0), Renditions (0), Audio tracks (0), Subtitles (0), and Images (1). The main content area has an 'Edit Metadata' button and three sections: 'Short Description' with the text 'A chapter in the ongoing saga of the wars of Ming the Merciless! With Max von Sydow as the star of the show.', 'Long Description', and 'Actors' with a list: Sam J. Jones, Melody Anderson, Max von Sydow, Topol, Ornella Muti, Timothy Dalton, and Brian Blessed.

Notice that the Short Description includes the words **star** and **wars**...

And lastly, remember you can combine text searches with filters. So, for example, finding all the great movies starring **Melody Anderson** is a snap!



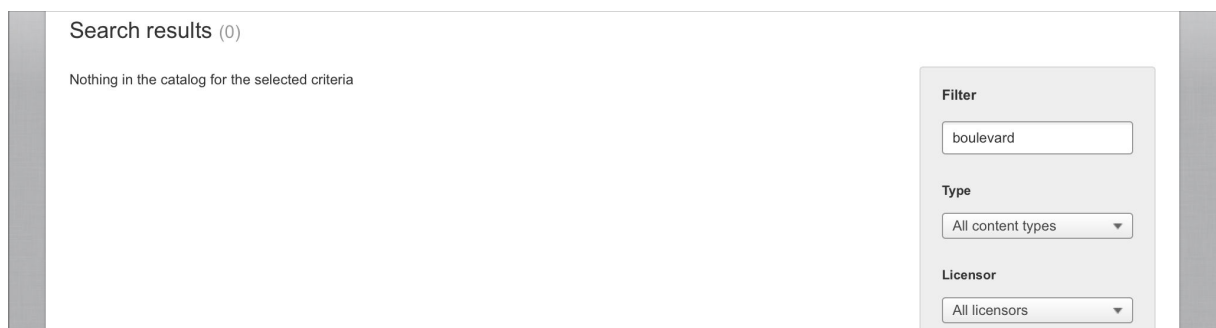
The screenshot shows a search results page. At the top are 'Export' and 'Create or Import' buttons. Below is a table with columns 'Name', 'Type', and 'Licensor'. One result is shown: 'Flash Gordon' (Feature, Universal Pictures). On the right is a 'Filter' sidebar with a search box containing 'melody anderson', a 'Type' dropdown set to 'Feature', and a 'Licensor' dropdown set to 'Universal Pictures'.

## Go wild!

If you often use the *underscore* character in the names of Assets and Catalog entries, or in External IDs, you need to understand how that character is used by the search engine.

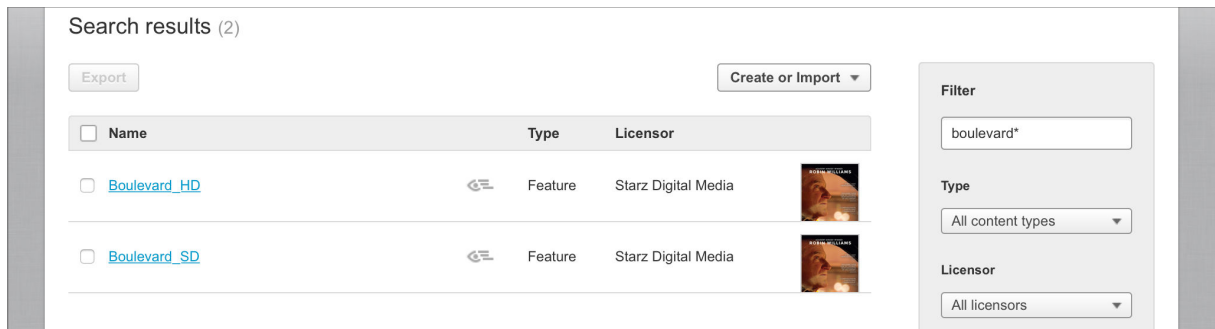
In the old search engine (Sphinx) an underscore was used as a *word separator*, but that's not the case with the new search engine (Elasticsearch). Great, so what?!

Well, for example if I have two Titles names **Boulevard\_SD** and **Boulevard\_HD** then a search for **boulevard** will return *no* results:





The screenshot shows a search results page with 'Search results (0)' and the message 'Nothing in the catalog for the selected criteria'. On the right is a 'Filter' sidebar with a search box containing 'boulevard', a 'Type' dropdown set to 'All content types', and a 'Licensor' dropdown set to 'All licensors'.

However, if I search for **boulevard\*** (i.e. with an asterisk) then *two* results are returned:



The screenshot shows a search results page with the following elements:

- Search results (2)
- Buttons: Export, Create or Import
- Table with columns: Name, Type, Licensor, and a thumbnail image.
- Filter sidebar with fields for: Filter (text input), Type (dropdown), and Licensor (dropdown).

<input type="checkbox"/>	Name	Type	Licensor	
<input type="checkbox"/>	<a href="#">Boulevard_HD</a>	Feature	Starz Digital Media	
<input type="checkbox"/>	<a href="#">Boulevard_SD</a>	Feature	Starz Digital Media	

The asterisk is a wildcard that tells the search engine to look for zero or more characters. And of course, searching for **boulevard\_sd** or **boulevard\_hd** would return one result.

## What's the Scope, BeBanjo?

In Movida the search engine indexes the name, external ID, tags, licensor, and metadata for **Titles** and **Series**, and the name, external ID, tags, and metadata for **Collections**. For **Assets**, the name is indexed.

In Sequence the search engine indexes the title (name), external ID, content provider (licensor), assets, problems, and notes for **Jobs**.