

Federatedsearchinteractive module

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 This article is designated for administrators.

About

Federated search lets you show your site's media on other websites in your organization, such as a video news widget on your intranet homepage or a video search box on a team portal. The **Federatedsearchinteractive module** lets you set up the searches that feed these widgets. It works with Content Hubs, the legacy Video Portal, and LMS Extensions.

Each search is called a **search producer**. A producer is a saved search with its own URL, for example, the 8 most recent videos in one channel. When the other website (the **consumer**) requests the producer's URL, it gets the results back as JSON data, and your developers use that data to build their own widget. They don't need to learn Kaltura to do it.



Federated search is a premium module. To add it to your site, contact your Kaltura representative.

Before you start

Make sure both of these modules are added to your site:

- **Federatedsearchcore** - Holds code that the federated search modules share. Its only setting is **enabled**.
- **Federatedsearchinteractive**

Enable the **Federatedsearchcore** module first: set **enabled** to **Yes**, and click **Save**. If it isn't enabled, you can't save the **Federatedsearchinteractive** module.

Configure

The module comes with three sample producers, which you can change or delete:

- `intranethomewidget` - The 8 most recent media in one channel, for a video news widget on a busy page such as an intranet homepage.
- `dashboardwidget` - The 6 most recent media from the channels the user belongs to,

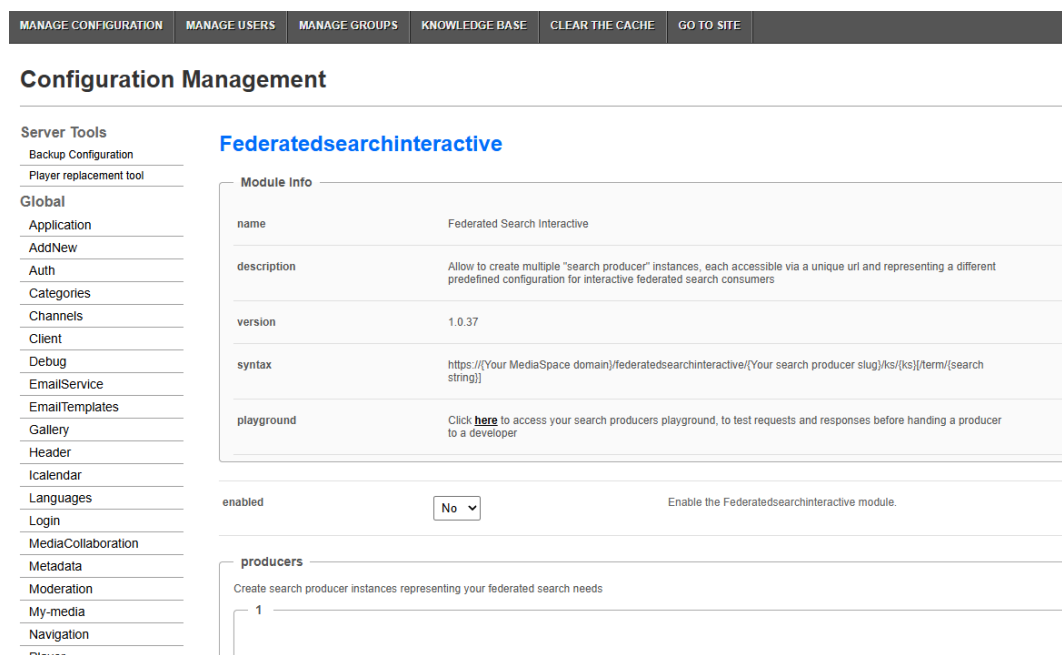
for a personal dashboard.

- `dashboardsearch` - The 20 most viewed media from all categories and channels that aren't private, for a search box.

1. Go to your Configuration Management console, locate the **Federatedsearchinteractive** module in the left panel, then select it. You can also navigate directly using a link:

`https://{your_site_url}/admin/config/tab/federatedsearchinteractive`

The **Federatedsearchinteractive** page displays.



The screenshot shows the Configuration Management console. At the top, there's a navigation bar with links: MANAGE CONFIGURATION, MANAGE USERS, MANAGE GROUPS, KNOWLEDGE BASE, CLEAR THE CACHE, and GO TO SITE. Below this, the main heading is "Configuration Management". On the left, there's a sidebar with various tool categories: Server Tools (Backup Configuration, Player replacement tool), Global (Application, AddNew, Auth, Categories, Channels, Client, Debug, EmailService, EmailTemplates, Gallery, Header, Icalendar, Languages, Login, MediaCollaboration, Metadata, Moderation, My-media, Navigation, Plugins), and a search bar. The main content area is titled "Federatedsearchinteractive" and contains a "Module Info" section with a table of details:

Module Info	
name	Federated Search Interactive
description	Allow to create multiple "search producer" instances, each accessible via a unique url and representing a different predefined configuration for interactive federated search consumers
version	1.0.37
syntax	<code>https://{Your MediaSpace domain}/federatedsearchinteractive/{Your search producer slug}/ks/{ks}/{term}/{search string}</code>
playground	Click here to access your search producers playground, to test requests and responses before handing a producer to a developer

Below the table, there's an "enabled" section with a dropdown menu set to "No" and a link to "Enable the Federatedsearchinteractive module." At the bottom, there's a "producers" section with a heading "Create search producer instances representing your federated search needs" and a list of producers, currently showing one producer with ID "1".

2. Set **enabled** to **Yes**, and click **Save**.

The **Generate** links for the app tokens appear.

3. Configure the following:

- **producers** - Change one of the existing producers, or click **+ Add "producers"** to add a new one. To remove a producer, click **DELETE**. For each producer, configure the following:
 - **slug** - Enter a unique name for the producer. It becomes part of the producer's URL. The module doesn't check that the name is unique, so make sure no other producer uses it.
 - **searchFor** - Leave as **Entries**. It's the only option.
 - **enableLocalCache** - Select **Yes** to keep results in a cache for longer, so they load faster but might not be the latest. Select **No** if the producer returns personalized results for each user, so the results are always fresh. Tip: Leave this set to **No** until your developers finish building the widget.

- **limitToItemsNum** - Enter the number of media to return. The maximum is `50`.
 - **sortBy** - Select the order of the results: **Most Recent**, **Most Viewed**, **Most Liked**, or **Alphabetical**.
 - **searchIn** - Select where to search:
 - **All Non-Private Categories/Channels** - All published content on your site.
 - **Only Specific Category/Channel** - One category or channel, which you select in `limitToCategoryOrChannel`.
 - **Only Categories/Channels Relevant to User** - The categories and channels the user manages, belongs to, or subscribes to. For this to work, your developers must include the user's ID when they create the Kaltura Session (KS). If they don't, or if the user doesn't belong to any channels, the producer searches all categories and channels that aren't private.
 - **limitToCategoryOrChannel** - Appears when `searchIn` is set to **Only Specific Category/Channel**. Select the category or channel to search in. It must be under your site's root category.
 - **includeExtraMetadata** - Select any extra information to include with the results: **# Views**, **# Likes**, or **Custom Data**. **Custom Data** includes only the fields in the metadata profile set in the Customdata module. Extra information can make the results load more slowly.
 - **stickyEntryId1**, **stickyEntryId2**, **stickyEntryId3** - Optional. Enter the entry IDs of up to three media that always appear first, before the other results.
 - **allowURLOverride** - Select the settings your developers can change in the producer's URL: **limitToItemsNum**, **sortBy**, or **limitToCategoryOrChannel**. For example, select **sortBy** if the widget lets users choose how to sort the results. If you select **limitToCategoryOrChannel**, give your developers the IDs of the categories and channels they can use.
 - **appTokenId** - Click **Generate** to create an app token for this producer. The ID appears in this field, and the value appears in `appTokenValue`. The app token can reach only the content allowed in `searchIn` and `limitToCategoryOrChannel`. If you already have an app token, you can enter its ID and value instead.
 - **showOnlyVideoType** - Select **No** to include all media types (video, audio, and images), or **Yes** to include only video.
4. Click **Save**. If you leave the page without saving, the app tokens aren't kept.

Test a producer in the playground

The playground lets you see what a producer returns before you hand it to your developers. It also creates sample code that your developers can start from.

1. On the **Federatedsearchinteractive** page, in the **playground** row at the top, click **here**.

The playground opens, with a tab for each producer. The app token ID and value are already filled in.

2. Select the tab of the producer you want to test.
3. Enter any user ID, and click **Generate KS**. The user ID doesn't need to exist on your site.
4. Click **Send request**.

The results appear, with the request URL that your developers would use.

You can view the results in these tabs:

- **Formatted** - The results, which you can expand and collapse.
- **Raw** - The JSON data. Your developers can use it to start building the widget.
- **Gallery view** - A preview of the results as a gallery.
- **Gallery source** - The HTML code for the gallery. Click **Copy code** to copy it, and save it as an HTML file.

If you allowed URL overrides, you can enter values for them, or enter a search term in the **Term** field, then click **Send request** again. You can also change the producer, save it, and send the request again to see the change.



The sample code in **Gallery source** includes the KS you generated, which expires after about 24 hours. If your developers need the code after that, generate a new KS and copy the code again.

Give your developers what they need



The app token gives access to the producer's content. Share the app token ID and value securely, and don't send them in an email.

Your developers don't have access to your Configuration Management console, so give them the following:

- The producer's slug, and the URL format:
`https://{your_site_url}/federatedsearchinteractive/{slug}/ks/{ks}/term/{search_term}` . The search term is optional.
 - The app token ID and value
 - Your partner ID
 - The instructions for creating a KS with the app token: [App Token Authentication](#). If the producer searches channels, your developers must include a user ID when they create the KS.
 - The HTML code from the **Gallery source** tab in the playground
 - Optional. The JSON data from the **Raw** tab, if different developers build the front end and the back end
 - If you allowed URL overrides, which settings your developers can change
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