

First Indico Workshop

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INDICO SEARCH

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Why have a talk about this?

Searching is easy?! WHERE title LIKE '%foo%'

No, it's not!

Indico doesn't use SQL at all

Even if it did, it would be extremely slow and not flexible

We use external search engines and let them access our data

What's there?

Indico Plugins: Search and Live Sync

Search plugins provide the search interface for users

Live Sync plugins let search engines access Indico data

One search plugin and one live sync plugin per engine

What's there?

Which engines are available

- > CERN Search <https://search.cern.ch>
- > Invenio <http://invenio-software.org>
- > Sorry, no Google integration available (by default) ☹

What's there?

How are they integrated?

- > Redirect to search engine's site (e.g. Invenio)
- > Inside Indico: Retrieved by Indico (e.g. Invenio)
- > Inside Indico: Embedded Iframe (e.g. CERN Search)

How to use them?

Configuring Indico is easy: Search Plugin

Let's use Invenio
Not much to con
Invenio URL and
“Reload All Mani

The screenshot shows the Indico configuration interface for the Search plugin. A sidebar on the left contains a menu with items: General settings, Users and Groups, IP Domains, Rooms, Layout, Services, Plugins, Homepage, System, and Protection. The 'Plugins' item is selected. The main content area has tabs for Main, RoomBooking, Live Sync, and Search. The 'Search' tab is active, showing the 'Active plugins for Search' section. This section includes a description 'Enables the search functionality to Indico.' and a table of plugins. The 'Invenio' plugin is checked under 'Enabled plugin' and is highlighted with a red box. A red arrow points from the 'Invenio' text in the sidebar to this box. Below the table is a 'Reload' button. The 'Global settings for Search' section shows 'Default search engine' set to 'invenio', which is also highlighted with a red box and pointed to by a red arrow from the sidebar. The 'Settings for individual plugins' section has tabs for 'CERN Search' and 'Invenio'. The 'Invenio' tab is active, showing two input fields for the 'Invenio server to perform the search:'. The first field contains the URL 'https://indicosearch2.cern.ch/search' and the second field contains the value 'redirect', both highlighted with red boxes and pointed to by red arrows from the sidebar.

General settings
Users and Groups
IP Domains
Rooms
Layout
Services
Plugins
Homepage
System
Protection

Main RoomBooking Live Sync **Search**

Active plugins for Search

Enables the search functionality to Indico.

<input checked="" type="checkbox"/> Enabled plugin	<input type="checkbox"/> CERN Search (CERN Search Engine Agent.)
<input type="checkbox"/> Disabled plugin	<input checked="" type="checkbox"/> Invenio (Invenio Search Engine Agent.)

Reload

Global settings for Search

Default search engine: **invenio**

Settings for individual plugins

CERN Search **Invenio**

Invenio server to perform the search:

Invenio server to perform the search:

How to use them?

Configuring Indico is easy: Live Sync Plugin

Add a new agent

The screenshot shows the Indico web interface. On the left is a sidebar menu with options: General settings, Users and Groups, IP Domains, Rooms, Layout, Services, **Plugins**, Homepage, System, and Protection. The main content area has tabs for Main, RoomBooking, Live Sync, and Search. The 'Live Sync' tab is active, displaying a table titled 'Agents'. The table has columns: Type, Id, Name, Description, and Position. Below the table is a button labeled 'Add new agent', which is highlighted with a red box. A red arrow points from the text 'Add a new agent' (located above the screenshot) to this button. Another red arrow points from the 'Add new agent' button to the 'Add New Agent' modal window. The modal contains the following fields:

- Type: InvenioBatchUploaderAgent (dropdown menu)
- Agent ID: inv0 (text input)
- Name: Invenio0 (text input)
- Description: Invenio (text input with a small icon in the bottom right corner)
- Server URL: https://your.invenio.server (text input)

An 'Add' button is located at the bottom right of the modal.

How to use them?

Start the agent

Agents

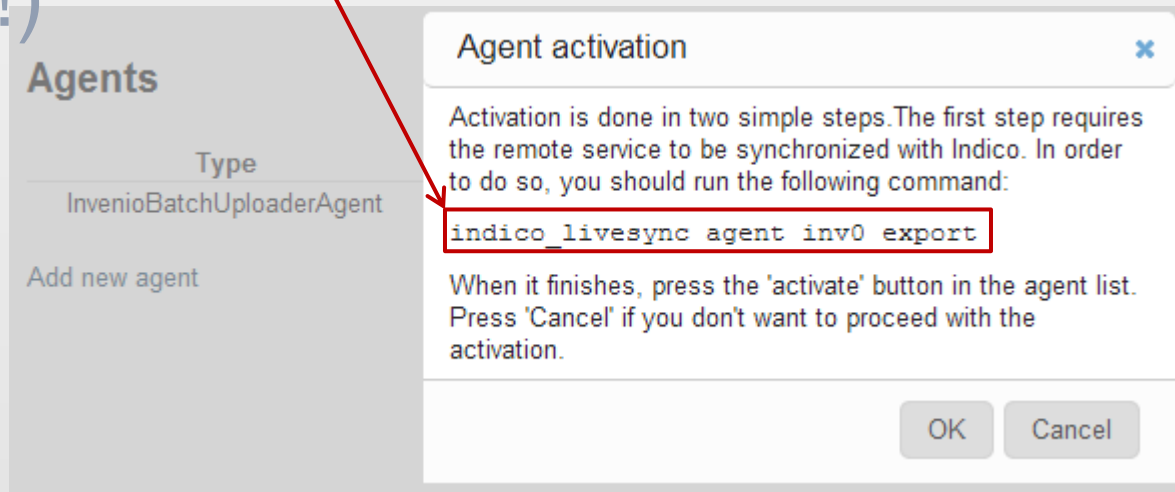
Type	Id	Name	Description	Position	
InvenioBatchUploaderAgent	inv0	Invenio0	Invenio	Agent not active. Start the activation process.	Edit Delete

[Add new agent](#)

How to use them?

Configuring Indico is easy: Live Sync Plugin

Perform the initial data export (slow if DB is large!)




How to use them?

Configuring Indico is easy: Live Sync Plugin

AFTER the export has finished, start the agent and add a task

Agents



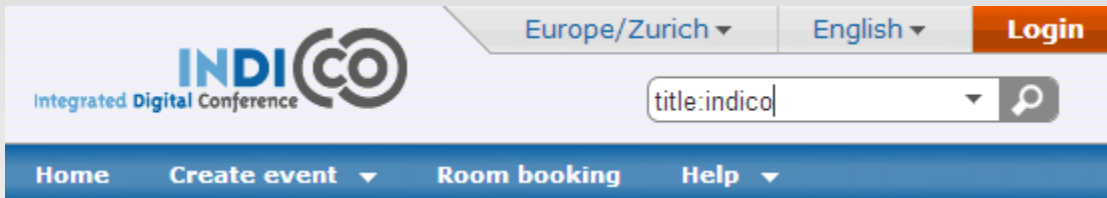
Type	Id	Name	Description	Position	
InvenioBatchUploaderAgent	inv0	Invenio0	Invenio	As soon as the export process has finished, click here.	Edit Delete

Add new agent

```
$ indico_livesync agent inv0 add_task
```

It works!

Check the Indico header



Search:

[Search Tips](#) :: [Advanced Search](#)

Search collections:

Sort by: Display results: Output format:

Atlantis Institute of Fictive Science 532 records found

- ☐ 1. **Indico developers review meeting**
External link: [Event details](#)
[Detailed record](#) - [Similar records](#)
- ☐ 2. **Indico developers review meeting**
External link: [Event details](#)
[Detailed record](#) - [Similar records](#)
- ☐ 3. **Indico**
External links: [minutes.txt](#); [Contribution details](#); [Event details](#)
[Detailed record](#) - [Similar records](#)

Questions?



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