

Release Notes Inquiro 2.4

Released October 7th, 2016

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Summary

This release provides:

- 7 new features
- 0 Enhancement
- 2 Bug fixes

New Features

Advanced search

You can now find data that matches complex criterias. You can mix multiple criterias to run queries. For example, if you want to find any:

Files that have a Cell Physiological Process of either Cell Movement OR Cell Proliferation AND involves an Anatomical part like Bone Marrow Cell OR Cell Surface Extensions

The screenshot shows the Inquiro search interface. At the top, there is a search bar with the text "inq*" and a search icon. Below the search bar, there are several filters and a query builder. The query builder shows a complex query: "Cell Physiological Processes : Cell Movement or Cell Proliferation and Anatomy : Bone Marrow Cells or Cell Surface Extensions". A dropdown menu is open, showing the structure of the query: "Cell Physiological Processes : and or Cell Movement Cell Proliferation Anatomy : and or Bone Marrow Cells Cell Surface Extensions".

On the left side, there are several filter panels:

- Anatomy**:
 - Cell Surface Extensions (2)
 - Bone Marrow Cells (1)
 - Liver (1)
 - Lymphocytes (1)
 - Neutrophils (1)
- Cell Physiological Processes**:
 - Cell Movement (3)
 - Cell Proliferation (3)
 - Signal Transduction (2)
 - Dose-Response Relationship; Radiation (1)
 - Epithelial-Mesenchymal Transition (1)
- Type**:
 - file (7)
 - root (1)
- Organisms**:
 - Humans (5)
 - Mice (2)
- Disease**:
 - Diabetes Mellitus, Type 2 (4)
 - Breast Neoplasms (2)
 - Inflammatory Breast Neoplasms (1)

The main content area shows search results for the query. The first result is a PDF file named "587.pdf" with a size of 2.5 MB, published by Charlotte Raillière on 02/19/2016. The second result is a PDF file named "onc2011528a.PMC3419983.pdf" with a size of 1.1 MB, also published by Charlotte Raillière on 02/19/2016. The third result is another PDF file with the same name and size. The search results are displayed in a list format with details about the files, including their titles, sizes, and publication information.

Switching to this advance mode is done using the *Advanced search* button at the top of the search page :

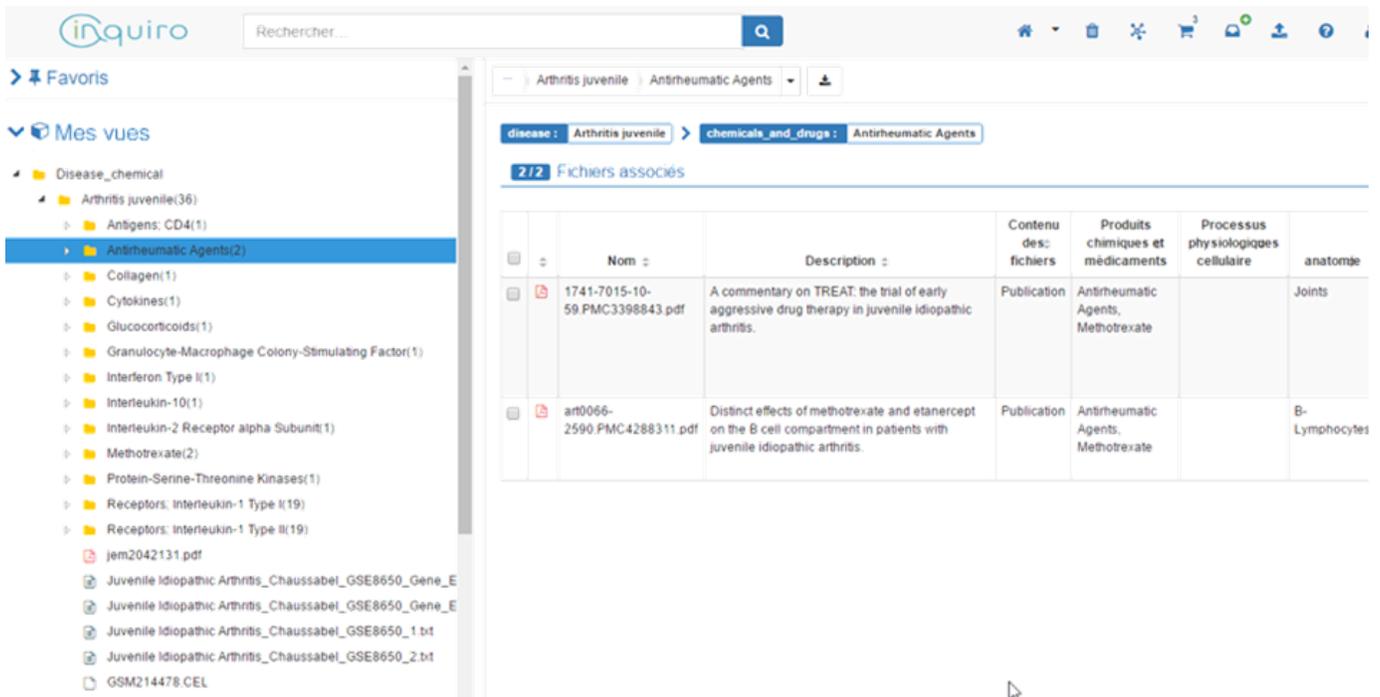


Dynamic TreeView

The dynamic treeview is a great new feature of InquiRO which allows you to get rid of the very rigid file-and-folder paradigm. InquiRO allow you to organise your data the way you want.

For example your lab operators may want to record data by *experiment name* or *technology* whereas your team leaders would like to see the same data organised by *project* or *target disease*.

InquiRO satisfies the needs of both users as they can use the most convenient data organisation for their daily activity.

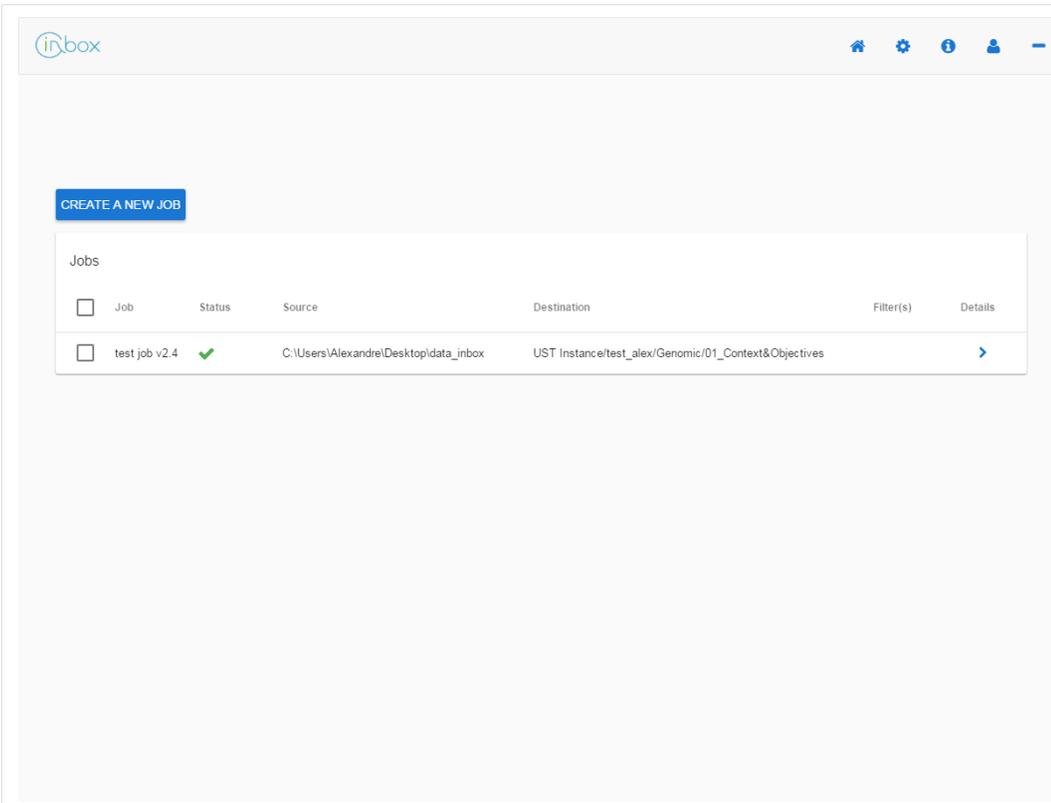


The screenshot shows the InquiRO interface with a search bar at the top. On the left, a dynamic treeview is visible under 'Mes vues', showing a hierarchy of folders: Disease_chemical > Arthritis juvenile(36) > Antigenes: CD4(1) > Antirheumatic Agents(2). The right pane shows the search results for 'Arthritis juvenile' and 'Antirheumatic Agents', displaying a table of associated files.

	Nom	Description	Contenu des fichiers	Produits chimiques et médicaments	Processus physiologiques cellulaires	anatomie
<input type="checkbox"/>	1741-7015-10-59.PMC3398843.pdf	A commentary on TREAT: the trial of early aggressive drug therapy in juvenile idiopathic arthritis.	Publication	Antirheumatic Agents, Methotrexate		Joints
<input type="checkbox"/>	art0066-2590.PMC4288311.pdf	Distinct effects of methotrexate and etanercept on the B cell compartment in patients with juvenile idiopathic arthritis.	Publication	Antirheumatic Agents, Methotrexate		B-Lymphocytes

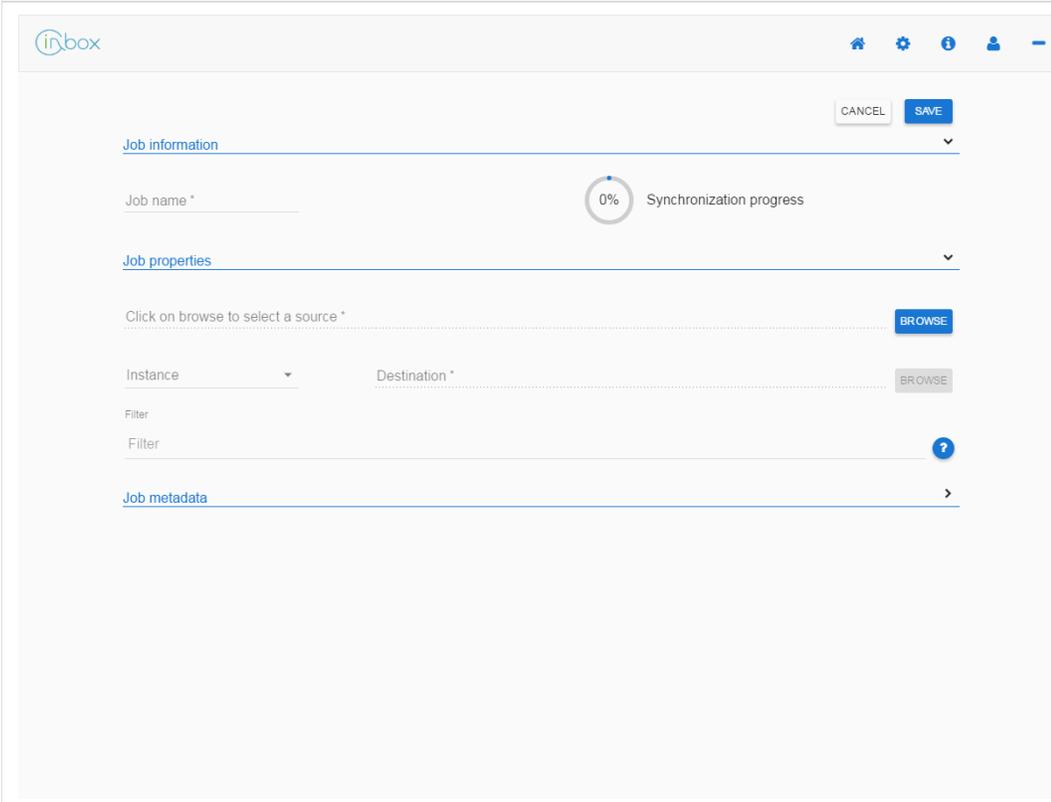
New views can be configured in the existing Metadata Browser. Once a view is saved, you will directly have it available on the InquiRO main page.

Inbox V2



Inbox is a synchronization tool which allows you to copy files from your computer to Inquiro. It automatically permits users to store files in a target folder in Inquiro. Users can see the status of the synchronization in the homepage of the Inbox (see screenshot on the left).

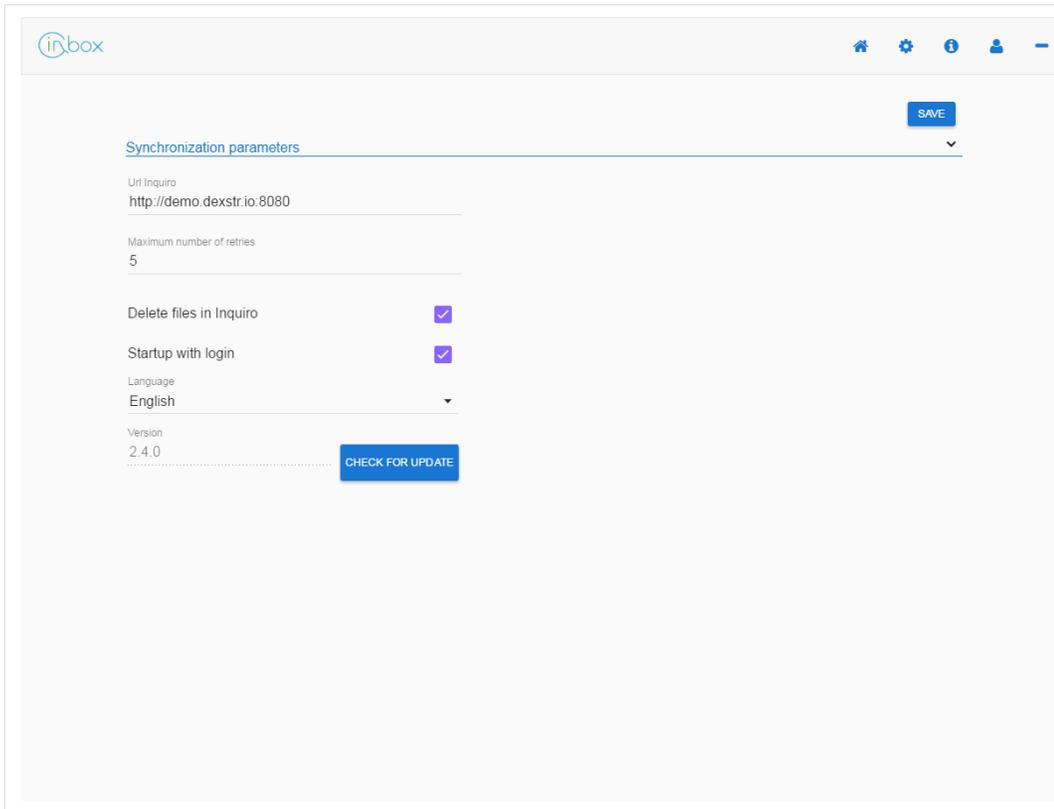
When the service is stopped and then restarted, *INBOX* will always synchronize the new/updated/deleted files or folders at its startup.



On this screen, users can configure the job (click on the "Create a new job" button in the picture above). To do this, follow the steps below:

- set a name
- select the source folder
- select the instance of Inquiro (if many)
- select the target folder
- set a filter on extension file name
- set metadata (if required)

Click save and the job will start.



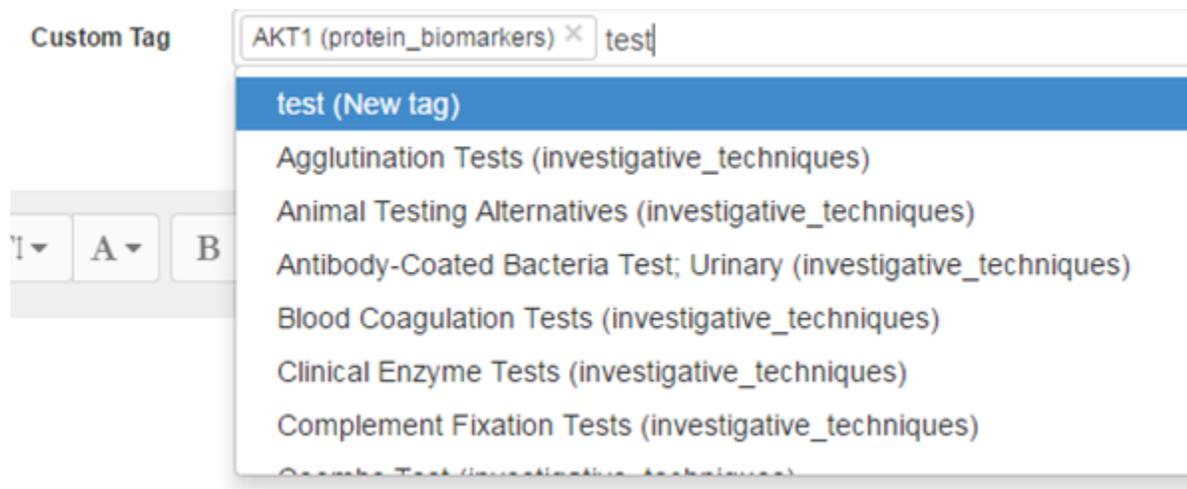
On this screen, users can:

- Configure the URL of Inquiro's server (click on the wheel icon on the top bar).
- Set the maximum number of attempts (in order to avoid infinite update loops).
- Synchronize (or not) folder/file deleting in Inquiro.
- Startup *INBOX* at logon.
- Update *INBOX*.

Custom Tags

Custom tags are designed to offer you more flexibility. When using the custom tag, you can either set:

- a metadata from a non-configured dictionary for the type of item you are annotating.
 - For example you may set a "*protein biomarker*" to an item type of "*patient*" whereas it is usually configured for a "*project*".
- a custom tag in a completely open way. It will be saved and will automatically appear to the next user who wants to use the same value.



Custom tags can be administrated in the *dictionary* page

You can use the custom tag in any type of items (folders or files) in Inquiro.

Manage user per instance

Inquiro manages multi-instances on a single server since version 2.0 but it was not possible to manage individual access permissions to any of them.

With this new version, you can now choose to restrict/allow the access to any instances for a user or a group of users.

Once the access to an instance is granted, you can choose to set some permissions on it:

- empty the trash bin
- access to the Metadata Exploration's graphs
- configure the metadata available on Metadata Exploration's graphs
- access on the instance usage's statistics
- edit the instance's FAQ

The screenshot shows the Inquiro ADMIN interface. On the left is a sidebar with navigation options: User management (Users, Groups, Roles), Customization (Template, Internationalization, Dictionaries, Graph, Solr), Configuration (Activation, Suggestion), and Audit trail (Containers, User). The main content area is titled 'ADMIN' and contains several sections:

- Details:** A table with fields: Name (ADMIN), Description, Creator, Upload date, Updated by (Erwan DAVID), and Update date (10/16/2016).
- Global permissions:** A table with columns: Resource, ACCESS, CREATE, EDIT, DELETE. Rows include ADMIN, DICO, LANGUAGES, NETWORK_SHARE, SOLR, TEMPLATES, and USERS.
- Permissions by instance:** A table with columns: Instances (sanoff_AI, publi, perf, **oodr**, demo), Resource (BIN, CONFIG, STATS, PIVOT, FAQ), and Actions (ACCESS, CREATE, EDIT, DELETE).
- Members:** A table with columns: Login (srouanet, edavid, dpeyruc), First Name (Sébastien Rouanet, Erwan, David), Last Name (Sébastien Rouanet, DAVID, PEYRUC), and Action (Remove).

Audit Trail

The goal of an audit trail is to ensure you that any changes affecting your data in Inquiro are tracked.

This tracking is done in a secured storage that ensures no data of the audit trail can be erased or modified. You can access the audit trail at two levels :

- On any item, in which case it shows only the involved item:

The screenshot shows the 'Audit trail container' search interface. It includes a search form with fields for Action, Updater, Container, Field, Date, Updater id, and Container type. A 'Search' button is located at the bottom right. Below the form is a table with columns: Action, Updater id, Container, Field, and Date. The table contains one entry: CREATE, e0280743, ACH-Test 2.4, and 2016/10/19 18:09:01. The Field column is expanded to show details: Container Path, Type, Creation Date, Creator Name, Active, Name, id, Updater Name, Creator ID, and Updater ID. At the bottom, there are 'Previous' and 'Next' buttons, and a pagination control showing 10, 25, 50, and 100 items per page.

- For administrators, you can visualise the complete audit trail in the *administration* page:

The screenshot shows the InquiRO search filter interface. On the left, there are navigation menus for 'User management', 'Customization', 'Configuration', and 'Audit trail'. The main area contains a search filter with fields for Action, Updater, Container, Container id, Date, Updater id, Container type, and Field. A 'Search' button is located at the bottom right of the filter. Below the filter is a table with the following columns: Action, Container id, Container, Field, and Date. The table contains 12 rows of 'DELETE' records with various IDs and dates from 2016/10/19 17:03:43. At the bottom of the table, there are 'Previous' and 'Next' buttons and a pagination control showing '10 25 50 100'.

Either way you can filter any field for any information you would like to retrieve.

You can also sort by columns in order to get the information when you need it the way you want it.

Suggestion management

InquiRO metadata suggestion engine (introduced in version 2.3) is a really powerful tool which help you curate your data. That's why we created a way for you to monitor and configure it so that you could make the best of it.

The screenshot shows the InquiRO Suggestion management configuration page. The left sidebar contains navigation menus for 'User management', 'Customization', 'Configuration', and 'Audit trail'. The main area is divided into two sections: 'General' and 'Configuration'. The 'General' section shows statistics for the 'publi' dataset, including the number of annotated and not annotated documents, the number of documents created since last learning, the ratio of reviewed documents, and the average number of suggested terms per document. The 'Configuration' section allows setting the training set size, threshold, and display default threshold, and lists various labelers with checkboxes to enable or disable them. A 'Save' button is located at the bottom right.

Enhancements

ID	Area	Description	Comment
		No enhancement in this release.	

Bug Fixes

ID	Area	Description	Comment
SA-215		Dashboard statistics : faceted search : loading time exceed 1 hour.	
SA-219		Metadata Drop-down lists are case sensitive.	