



iPCA

Paging and filtering

V12.00.000 onwards

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Paging and filtering

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Imprint

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1 Introduction

1.1 General

This document is for the application of iPCA users that need to setup and use:

- Paging
- Filtering



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2 Support

For any questions about the application, please contact your in-house administrator.

This administrator will check and answer your enquiry.

If your in-house administrator cannot solve the problem, he will contact iPoint-systems gmbh to get a solution for it.

It is important that only the in-house administrator contacts iPoint-systems gmbh as this is the only way to get a fast response and to avoid doing the work twice.



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3 New functions

Version	Description
12.00.000	Initial public release



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4 Configure the feature

The configuration parameters for paging and filtering can be set on User, Organization or Company level.

PLEASE NOTE: To apply the changes in the configuration, user needs to either logout/login or restart the iPCA client.

4.1 Paging configuration

The configuration parameter “**PAGING_ENABLED**” is used to (de)activate by setting below detailed values:

- **TRUE**
Paging is enabled and its controls are displayed under the result table
- **FALSE**
Paging is disabled
- **Any other value or parameter does not exist**
Paging is disabled

The configuration parameter “**PAGING_PAGE_SIZE**” is used to define the number of rows displayed per page by setting below detailed values:

- **Value from 0 to 9**
10 rows is displayed in the result table
- **Value from 10 to 2500**
Defined number of rows is displayed in the result table
- **Value greater than 2500 or parameter does not exist**
2500 rows is displayed in the result table

4.2 Filtering configuration

The configuration parameter “**FILTERING_RESULTS_ENABLED**” is used to (de)activate the filtering by setting below detailed values:

- **TRUE**
Paging is enabled and its controls are above the result table
- **FALSE**
Paging is disabled
- **Any other value or parameter does not exist**
Paging is disabled



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5 Paging

5.1 General

The paging components are devided into three groups:

1. Window to display and setup local page size parameter
2. Paging statistics
3. Paging navigation panel

The screenshot shows the 'Basic substances' tab in the iPCA UI. At the top, there are search and filter fields for various substance identifiers like Name/Synonym, CAS No., EU-Index, and EINECS No. Below these are dropdowns for GADSL categories, REACH-SVHC, Substance group types, and REACH relevance. On the right, there are checkboxes for requires declaration (Yes, No, N.A.) and is forbidden (Yes, No, N.A.). A status dropdown shows 'Active'. At the bottom left, there's a 'Search' button and a 'Reset' button. To the right of the search buttons are 'Context menu' and 'Filter menu' options. The main area is a large table with columns for Name, CAS No., EU-Index, EINECS/ELINCS, Synonym 1, Synonym 2, Synonym 3, GADSL / SVHC, Type, and REACH n. The first 20 rows are visible, numbered 1 to 20. At the bottom, there's a toolbar with 'Load', 'Delete', and 'REAC' buttons. The 'Display' dropdown is set to 2500, and the status message says 'rows 1 - 2500 of 11448 rows visible'. The 'page' dropdown shows 'page 1 of 5'. Three red circles with numbers 1, 2, and 3 point to the 'Display' dropdown, the status message, and the 'page' dropdown respectively.

Figure 1 Tab layout twith activated paging

Page size could be set either as global by using the “**PAGING_PAGE_SIZE**” configuration parameter or as local the parameter by changing page size in iPCA UI on selected tab.

New local page size is applied after local parameter value change and pressing the “**Enter**” key. New search will be automatically started.

If user starts searching by click on the “**Search**” button without applying new local page size by pressing Enter, local page size will use previously applied value.

PLEASE NOTE: The “**PAGING_PAGE_SIZE**” configuration parameter is taken as a local parameter for page size when user navigates to the tab first time after login.



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PLEASE NOTE: Export function will return all available records for the active tab only if “**Export all**” option is checked when starting the export. Otherwise user will get only data from the currently active page.



Figure 2 Export all records of the active tab

5.2 Page size

Number of records that user sees on each page depends on several conditions detailed in below.

	Number of rows displayed	
	[local parameter] Paging on tab level	[global parameter] PAGING_PAGE_SIZE
User sets local or global parameter to 0	2500	10
User sets local or global parameter to value from 1 to 9	value from 1 to 9	10
User sets global parameter $10 < X < 2500$	value from 10 to 2500	value from 10 to 2500
Maximum value allowed in local or global parameter	999 999	2500

Table 1 Generic configuration applicable for all iPCA users



		Number of rows displayed		
		FETCH_SIZE_ <object name>	[local parameter] Paging on tab level	[global parameter] PAGING_PAGE_SIZE
User sets local or global parameter to 0	0	2500		10
	-1	unlimited (all) results		
	X	X		
	Not set	2500		
User sets local or global parameter to value from 1 to 9		--	value from 1 to 9	
User sets global parameter 10 < X < 2500		--	value from 10 to 2500	value from 10 to 2500
Maximum value allowed in local or global parameter		--	999 999	2500

Table 2 Custom configuration applicable only to a specific subset of iPCA users that have a special licence that allows unlimited fetch size for particular iPCA pages

5.3 Hotkeys

Paging supports hot keys for navigation.

Users may find the tooltip while moving mouse cursor over action buttons of paging panel and checking the popup hints on each button.

Button	Hot key	Availability
Next page	Shift + PageDown	when Result Panel is active; when row is selected; when record in result table is selected (particular cell is active); when Search Panel is active; when tab is active (neither Search Panel is active, nor Result Panel is active)
Previous page	Shift + PageUp	when Result Panel is active; when row is selected; when record in result table is selected (particular cell is active); when Search Panel is active; when tab is active (neither Search Panel is active, nor Result Panel is active)



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Button	Hot key	Availability
First page	Shift + Home	when Result Panel is active; when row is selected; when record in result table is selected (particular cell is active); when tab is active (neither Search Panel is active, nor Result Panel is active)
Last page	Shift + End	when Result Panel is active; when row is selected; when record in result table is selected (particular cell is active); when tab is active (neither Search Panel is active, nor Result Panel is active)

Table 3 Hot keys for Paging

The screenshot shows the 'Basic substances' search interface. At the top, there are search criteria fields for Name/Synonym, CAS No., EU-Index, EINECS No., GADSL categories, REACH-SVHC, Substance group types, and REACH relevance. Below these are sections for 'Additional search parameters' and 'Data'. The 'Data' section contains a table with columns for Name, CAS No., EU-Index, EINECS/ELINCS, Synonym 1, Synonym 2, Synonym 3, GADSL / SVHC, Type, and REACH. The table has 20 rows numbered 1 to 20. At the bottom of the interface, there is a page navigation bar with buttons for first, previous, next, last, and search. A red box highlights the text 'Last page (Shift + End)' located just below the page navigation buttons.

Figure 3 Popup hints for paging

5.4 Paging component availability

The paging component is available for the below detailed result lists:

- VP



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- Car Model
- Component
- Semicomponent
- Material
- Article
- Mixture
- Article/Mixture
- Basic Substances
- All MDS/modules
- Sent
- Received
- Inbox History
- LCM
- SPM
- SEP
- REACH - Request
- SAM-M - Product Model



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6 Filtering

6.1 General

The filtering component is available on all iPCA tabs that have result tables and filtering is called by right mouse click on the header of result table.

There are 2 types of actions on the right-mouse-click:

- **Context menu**

Previously existing right-mouse-click menu (2 kinds of context menu: one available on each column and one available on first configuration column)

- **Filter menu**

Newly added functionality of filtering

To switch between these 2 types, select the corresponding radio button in the upper right corner above the result table – “**Context menu**” and “**Filter menu**”. The default selected value is “**Context menu**”.

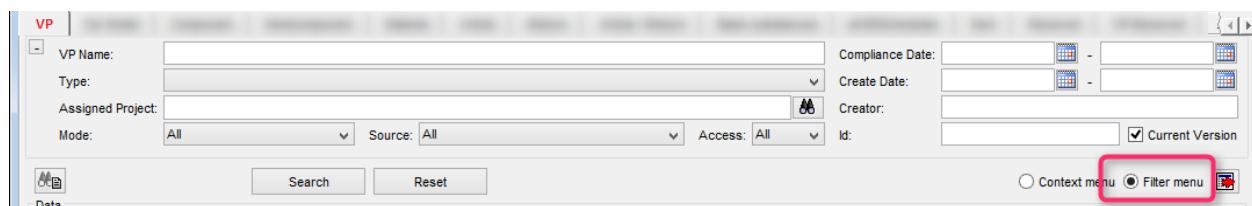


Figure 4 Radio buttons to switch between filtering and context menu

When Filter option is called from the right-mouse-click, Filter is available as pop-up window.

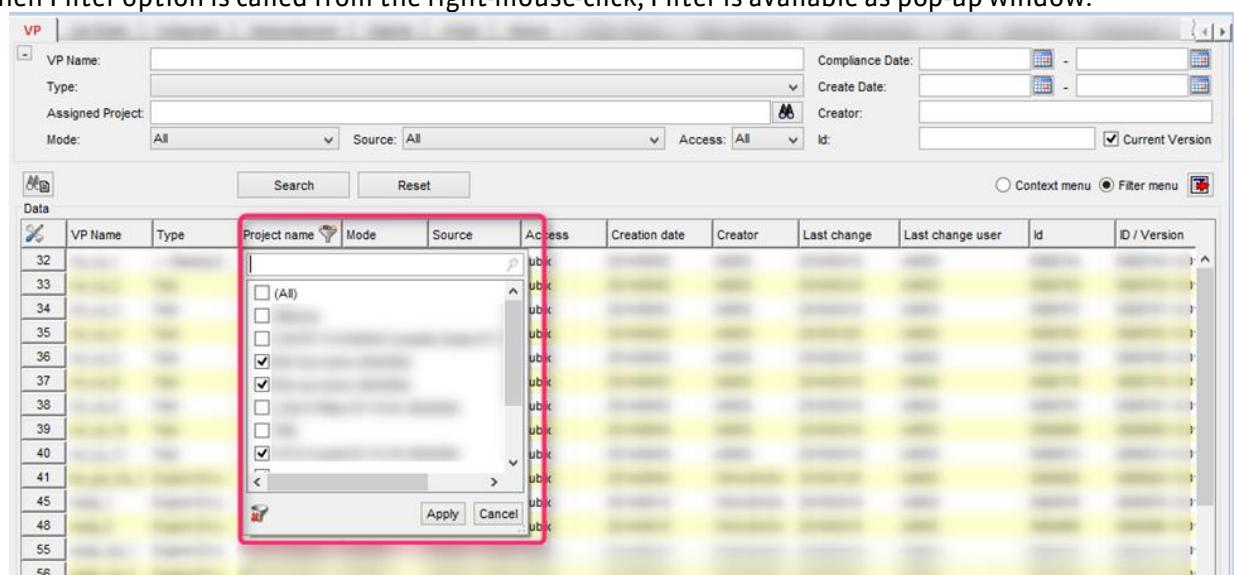


Figure 5 Filtering window in the header of result table



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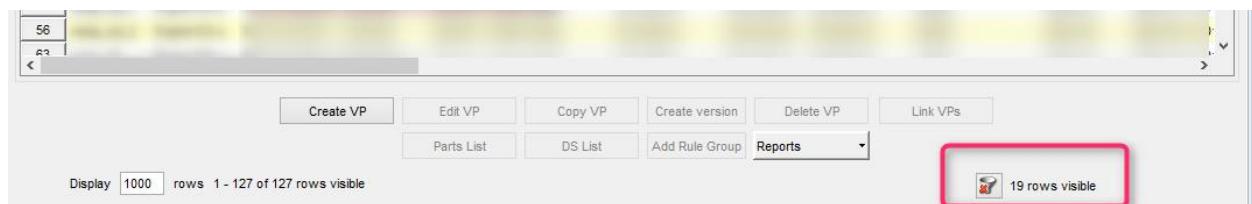


Figure 6 Filtering information and “Clean All” option below result table

6.2 Filtering features

Below are listed the filtering features:

1. Build-in the search panel.
2. Search rule is "contains".
3. Select/deselect All.
4. Select/deselect suggested values one by one.
5. Select All option is always available. Select All option is available on Search results.
6. Results of Search could be selected and deselected back.
7. To apply the filtering, click Apply button (or push Enter on the keyboard). To discontinue the filtering process, click Cancel button (or push Esc on the keyboard).
8. Ability to remove applied filter settings is available. Corresponding control called from any column will remove filtering applied to all columns in one click.
9. When paging is switched on, filtering suggests/returns values only from currently active page.
10. When filter is applied to the column, the corresponding icon appears on the table header.

It is possible to use the Filtering feature in conjunction with next changes to the Result Table:

- move a column
- remove a column

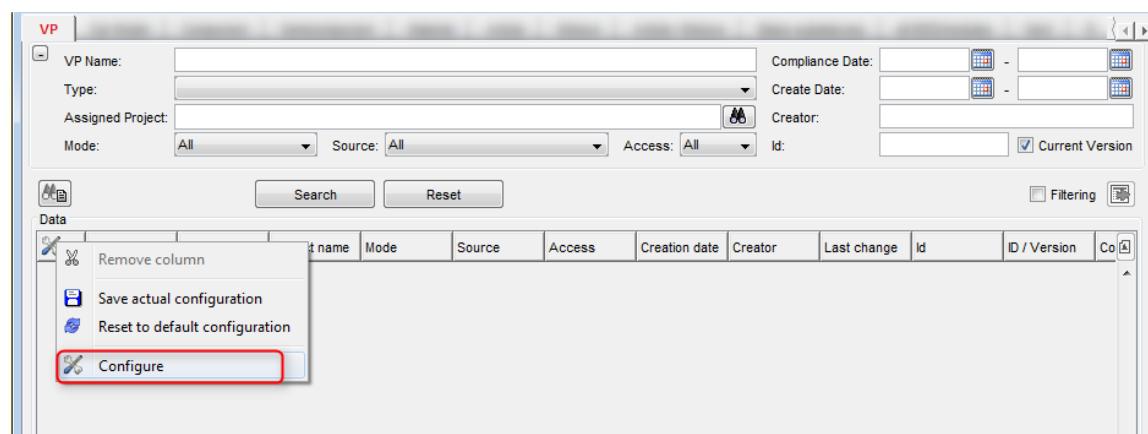


Figure 7 Configure result table



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If filter is applied to a column and user removes the column, then the data in the Results table eventually will disappear. In such case you should call Filter and clean the Filter settings using a button in the lower left corner of the filter menu.

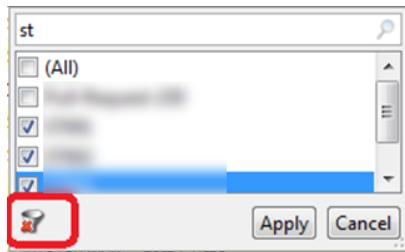


Figure 8 Remove (clean) applied filtering from all columns

The following functionality is not covered:

1. Filtering is done based on the search results, meaning if meanwhile (from the moment of search till filtering) something was changed in database, this change will not be reflected on search and subsequently on filtering results.
2. Filter is working only for the data that is currently available on the page. If there are several pages, filtering would be done only for current page
3. No multi level filtering. If several columns are filtered in the same result table, each subsequently filtered column does not take into account results from the previous column filtering.
4. When filter is applied to at least one column, user cannot drag and drop columns in result table (filtering disables possibility to re-arrange columns).



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9 Change History

Version	Date	Description
12.00.000	09/28/2016	Initial document creation
12.00.000	09/29/2016	Added details regarding data export when using paging (chapter 5.1)