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Unit B-4: Information systems for statistical production



Editing Building Block 2011 User's Manual

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About this manual

This User Manual contains all the information required to describe the functionality of the Editing Building Block, based on the User Interface of the application.

Additional information regarding its Scripting Language Syntax along with detailed examples is described further within the latest Scripting Language document available.

In order to install the application in a standalone mode EBB Installation Wizard has to be launched, which configures fully the application in its target environment. The EBB application is both Windows 7 and XP compatible.

Multiple browsers are supported including IE, Firefox and Chrome. Detailed installation instructions are provided with the application where applicable.

Quick Start Guide

You can expect the application to be setup for you with some predefined formats and programs. The application can also include some datasets known as look-up tables since they are used to validate codes in the dataset you want to validate. So, if you have been provided with a preconfigured installation, this is what you can do:

- a. Login using the user/password provided. The application will open the **Dashboard** page that contains the main navigation bar.
- b. In the navigation bar go to **Datasets → Import Dataset**. The application will open the **Import Dataset** page, you have to provide the file that contains the data you want to validate as well as the import parameters and format of the data. Click the “**Import**” button, you will be redirected to the **Import/Export** page where you can see the progress of the import task. Wait until the file is imported.
- c. In the navigation bar go to **Jobs → Create Job**. Search for the program you want to execute (in some cases the application is preconfigured with only one program, in which case you will be redirected to the **Job** page directly), click the “**Execute**” icon next to the program you wish to run. You will be redirected to the **Job** page where you have to provide the program parameters. Click the “**Execute**” button. The application will redirect you to the **Job** List page where you can monitor its status.
- d. Click on **Search Job** and click on the button “*View Results*” corresponding to the desired job. The *Job details* page is displayed where you can manage the input datasets, output datasets and error datasets.

Note: This route plan assumes you have some previous knowledge of the data you want to validate and the corresponding validation program.

Chapter 1:

Introduction to the EBB Data Validation System

In this section you will gain knowledge for:

- ✓ System Introduction
- ✓ System basic overview and workflows presentation
- ✓ System Start-up/Stopping process
- ✓ System logging in/change password procedures

System Introduction

The Editing Build Block application is a generalized imputation system developed by EUROSTAT for cleansing data.

The system intended usage is designed to be at the last stage of the processing of data, one step prior to data tabulation and data retrieval, with the aim to check and validate a number of fields. With its usage the users can extensively cover a given statistical function or method.

The system is capable of being used for performing to cover at least the following needs,

- **Metadata preparation.** Review the variables in your data file and determine their valid values, labels, and measurement level. Identify combinations of variable values that are impossible but commonly miscoded. Define validation rules based on this information.
- **Data validation.** Run basic checks against defined validation rules to identify invalid cases, variables, and data values. When invalid data are found, investigate and correct the cause.
- **Model preparation.** Identify potential statistical outliers that can cause problems for many predictive models. Some outliers are the result of invalid variable values that

have not been identified. For more information, please check the latest EBB 2011 Scripting Language document.

System Start Up/Stopping Procedure

The EBB system consists of two elements while in standalone mode, the User Interface and Server consisting of the engine of the system. For working with the EBB system both have to be initialised:

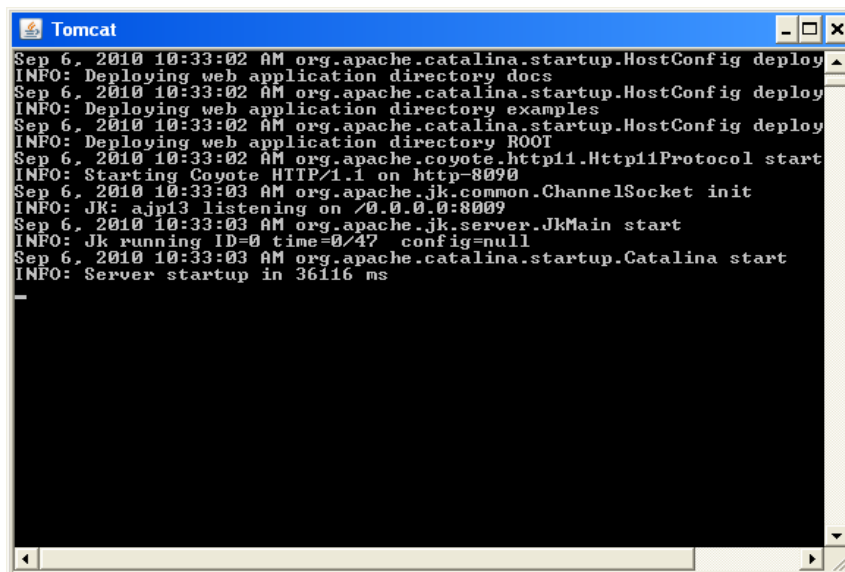
1. Starting the Server
2. Starting the User Interface (Client).

Tip: While the Server is running you may start/stop the Client multiple times without affecting the behaviour of the application.

Starting/Stopping the EBB Server

The default EBB Server path that the application is installed can be accessed through the Windows Start → Programs → EDIT and then select → **Start Server**. (to stop it use the option → **Stop Server**)

This will initialise a console window where the EBB System will log all the actions taking place in the application.



```
Tomcat
Sep 6, 2010 10:33:02 AM org.apache.catalina.startup.HostConfig deploy
INFO: Deploying web application directory docs
Sep 6, 2010 10:33:02 AM org.apache.catalina.startup.HostConfig deploy
INFO: Deploying web application directory examples
Sep 6, 2010 10:33:02 AM org.apache.catalina.startup.HostConfig deploy
INFO: Deploying web application directory ROOT
Sep 6, 2010 10:33:02 AM org.apache.coyote.http11.Http11Protocol start
INFO: Starting Coyote HTTP/1.1 on http-8090
Sep 6, 2010 10:33:03 AM org.apache.jk.common.ChannelSocket init
INFO: JK: ajp13 listening on /0.0.0.0:8009
Sep 6, 2010 10:33:03 AM org.apache.jk.server.JkMain start
INFO: Jk running ID=0 time=0/47 config=null
Sep 6, 2010 10:33:03 AM org.apache.catalina.startup.Catalina start
INFO: Server startup in 36116 ms
```

Alternatively, you can run the **app_start.vbs** script located at the installation directory, typically within the Program Files.

Note: You should not close this window, as this would mean stopping the Server and the potential validation jobs running processes.

Starting/Stopping the EBB Client

The default EBB Client path that the application is installed can be accessed through the Windows Start → Programs → EDIT and then select → **Login**.

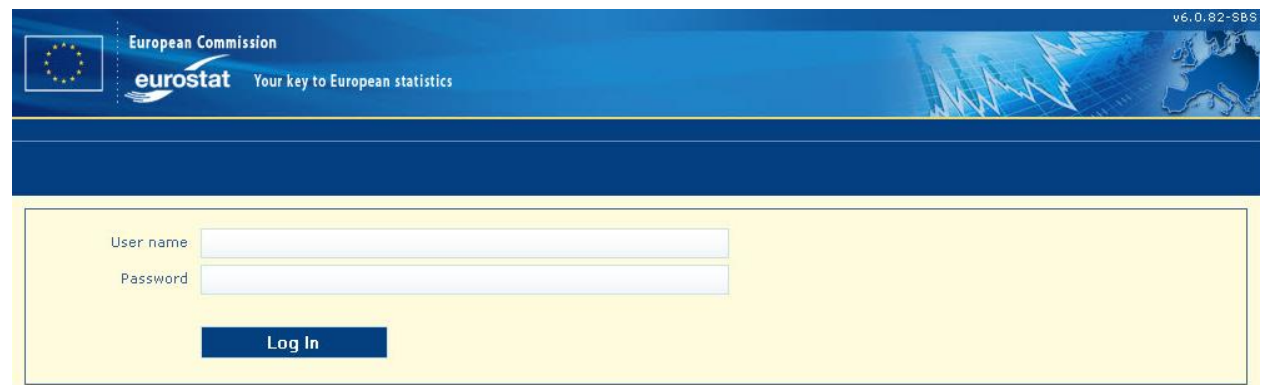
To stop the EBB Client you may simply close your browser, but it is always recommended to instead use the logout option of the UI for security reasons. The EBB Server will continue to run in the background until it is stopped. To stop the server go to Windows Start → Programs → EDIT and then select → **Stop Server**.

Tip: While the sequence of starting the Client doesn't affect in any way the operation of the system, starting the Client before starting the Server will not initialise the login sequence. If this happens, please reload the page after the server is started and the application client will be accessible for logging in.

Logging in Process

As soon as you press the "**Login**" button for starting the Client, the default browser is started.

The browser address should be http://127.0.0.1:8090/edit-web-client/login/login_form.html.



The screenshot shows the login interface for the Eurostat system. At the top, there is a blue header with the European Commission logo on the left and the text "Eurostat Your key to European statistics" in the center. The version number "v6.0.82-5B8" is displayed in the top right corner. Below the header is a yellow login form containing two input fields: "User name" and "Password", and a blue "Log In" button.

To login, enter the provided "**User name**" and "**Password**" and click the "**Log In**" button.

Note: The username and password are case sensitive. You may change from the default values, but please note that in the standalone mode you will not be able to retrieve your passwords if you lose them.

To change your password you can select the available option after the first successful login.


European Commission
eurostat Your key to European statistics

Home ▾ Datasets ▾ Jobs

Eurostat: EBB 2011

User Profile

Username	user	First Name	userfirstname	Last Name	userlastname
Current Domain	DEMO	Roles	USER		

 **Change Password**

European Commission
eurostat Your key to European statistics

v6.0.82-SBS



Home ▾ Datasets ▾ Jobs Logout

Change Password

Old Password

New Password

Verify Password

 Back **Save** 

Note: the new password must be at least 8 characters in length. Click on Save button to store the change of password.

Chapter 2:

User functionalities

In this section you will gain knowledge for:

- ✓ EBB User Menu
- ✓ System User Workflow

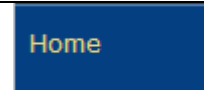
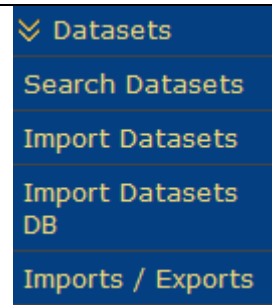
EBB User Menu Presentation

EBB is a web-based application that runs inside a web browser. This chapter describes the controls available for the User inside the web pages of the application.

The navigation bar (at the top of the screen) is the same on every screen of user account. It contains links which give quick access to user functionalities.

Short presentation of the Menu and submenus for **User**:



Menu	Short description
	<p>Click the “Home” menu to access the “Home Page”.</p> <p>Contains a link to the “Change Password” functionality.</p>
	<p>Click the “Datasets” menu to “Search for Datasets”, “Import Datasets”, “Import Datasets DB” – import datasets from external Database or monitor “Import/export Tasks”.</p>

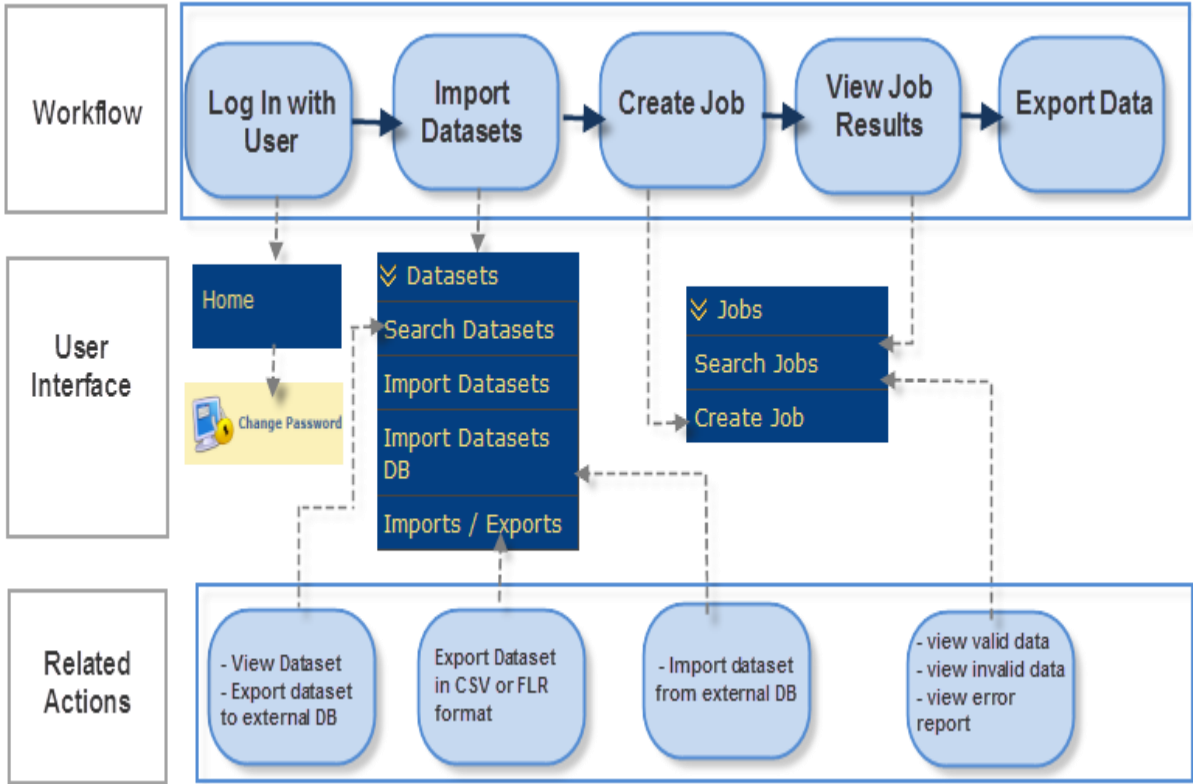
<div style="display: flex; flex-direction: column; gap: 5px;"> Jobs Search Jobs Create Job </div>	<p>Click the “Jobs” menu to “Search for Jobs”, “Create Job”</p>
--	---

System User Workflow

User Workflow

The typical EBB workflow of the system is kept to a minimum complexity for the users.

To perform a validation and after logging in to the system it is needed to import the dataset to be validated, create a Job where selected validation rules run on it and lastly view the Job results.



The system provides the users with additional supplementary capabilities further mentioned in this guide.

Chapter 3:

Data Management

In this section you will gain knowledge for:

- ✓ EBB Dataset Import/Export Process
- ✓ Searching for available dataset(s)
- ✓ Multiple selection and Pagination
- ✓ Manage Owner Group
- ✓ Datasets Details
- ✓ Export dataset to external Database
- ✓ Import dataset from external Database
- ✓ Viewing available dataset(s)
- ✓ Deleting available dataset(s)
- ✓ Importing/Exporting Historical tasks
- ✓ Delete Imported Datasets from the EBB System
- ✓ Import/Export Dataset History from the EBB System
- ✓ Create graphics

Note: This Chapter applies for **user role functionalities** and **programmer role functionalities**.

EBB Dataset Import/Export Process

Prior to running any Validation Jobs (or simply referred as Jobs), you must import data into the EBB System. To do so you must select the Import Datasets option from the DATASETS drop down option of the EBB System Navigation Menu Options.

The Import option can read from a local file according to set of specified file properties and selected file fields and will write to the EBB System's local database according to the selected Format of the dataset.

The supported input formats of the EBB System currently are:

- **CSV format files**
- **FLR format files**
- **GESMES format files**

Dataset Import Process

To import a dataset please follow the following order of steps:

1. Click "**Browse**" to select you locally saved file from the **Open File Dialog** box.
2. Optionally, enter the maximum number of errors for the dataset imported. The application will abort the import process if the specified maximum number of error is exceeded. The default value is 100 errors. If left blank, the application will stop the import process when at least one error occurs (the same behaviour as when entered the value "0").
3. Select the "**File Type**" CSV, FLR or GESMES. The application will display the **File Properties** panel associated to the file type you have selected. For each file type there are predefined formats. Also, the user can add new formats for the **File Properties** field from the section below.

For GESMES format file the there are no Properties.

4. Select from the list the "**Dataset Format**" to correspond the selected dataset.
5. A *file fields* template is a predefined selection of fields you have used in a previous occasion and saved as a template. Use from "**File Fields**" the desired template to select the corresponding fields from the listed Available Fields with the format. Upon selection, the application will populate the **File Fields** panel with the selection defined in the selected template. Optionally, a custom list of selected fields can be used to describe the fields inside the file to be imported.
6. Select the data action: "**Create new**" and provide the name of the new dataset. Optionally the "**Repopulate Existing Dataset**" option can be used in order to rewrite the data from the file over the data already found inside an existing dataset (the list is populated with the datasets that are using the same format selected in the "Dataset Format" field).

7. Click on "**Import**"



8. Optionally, select the "**Owner Group**" you want the dataset to be associated to. The owner Group it is set by the administrator

- CSV file import

File Import

File name: C:\Documents and Settings\... Browse... Max number of errors: 100

File Properties

File Type: CSV File Properties: input_properties

CSV

Skip Header Lines: 0 Decimal Point Character: . Thousand Delimiter: ,
Field Delimiter: ; Text Qualifier: '

File Fields

Dataset Format: format File Fields: input_data

Select Fields

Available Fields: FIELD3, FIELD4
Selected Fields: FIELD1, FIELD2

Dataset

Create New dataset1 Owner Group: ...
 Repopulate Existing Dataset

Import

- FLR file import

File Import

File name: C:\Documents and Se Max number of errors:

File Properties

File Type: **FLR** File Properties: ...

FLR

Skip Header Lines: Decimal Point Character: Thousand Delimiter:

File Fields

Dataset Format: File Fields: ...

Select Fields

Available Fields: Selected Fields:

Dataset

Create New Owner Group: ...

Repopulate Existing Dataset


Import

- GESMES file import

9. The system will create the import task and will redirect you to the **Imports and Exports** page. The import task will start immediately. In the **Imports and Exports** page you can monitor the progress of the import task.

User	Format	Name	Type	Start Time	End Time	Status	Actions
user	hCountryDsd	dataset4	IMPORT	Fri Dec 09 11:33:49 EET 2011	Fri Dec 09 11:33:49 EET 2011	COMPLETED	
user	hCityDsd	dataset3	IMPORT	Fri Dec 09 11:33:22 EET 2011	Fri Dec 09 11:33:23 EET 2011	COMPLETED	
user	format	dataset2	IMPORT	Fri Dec 09 11:33:00 EET 2011	Fri Dec 09 11:33:00 EET 2011	COMPLETED	

Dataset Export Process

In the **Dataset List** panel, accessible from the **Search Datasets** menu, you can select the dataset you wish to export click the Export  button. The system will redirect you to the **Dataset Export** page. Please follow the process described below for determining the export options for the selected dataset.

1. Select the **"File Type"** (CSV, FLR). The application will display the **File Properties** panel associated to the file type you have selected.
 - For CSV files, the file properties are: skip header lines, field delimiter, text qualifier, decimal point character and thousand delimiters.
 - For FLR files, the file properties are: skip header lines, decimal point character and thousand delimiter.
2. In the **"File Properties"** panel, select the file properties. A *file properties template* is a predefined set of file properties you have used in a previous occasion and saved as a template. Upon selection, the application will populate the **File Properties** panel with the values predefined by the selected template.
3. You have now the option to update your **"File Properties"** list (the same options from the Import Dataset)
4. In the **"Select Fields"** panel, select the fields you wish to export. Choose the predefined value to select the certain fields from the listed **Available Fields**. A *file fields template* is a predefined selection of fields to be exported that you have used in a previous occasion and saved as a template. Upon selection, the application will populate the **Select Fields** panel with the values predefined by the selected template.

The screenshot shows a web-based configuration interface with a dark blue header containing 'Home', 'Datasets', and 'Jobs' menus. The main content area is divided into two sections: 'File Properties' and 'File Fields'. In the 'File Properties' section, 'File Type' is set to 'CSV' and 'File Properties' is set to 'input_properties'. The 'CSV' section below contains fields for 'Generate Header Line' (set to 0), 'Decimal Point Character' (set to '.'), 'Thousand Delimiter', 'Field Delimiter', and 'Text Qualifier'. The 'File Fields' section has 'Dataset Format' set to 'format' and 'File Fields' set to 'input_data'. Below this is a 'Select Fields' section with two lists: 'Available Fields' containing 'FIELD3' and 'FIELD4', and 'Selected Fields' containing 'FIELD1' and 'FIELD2'. Navigation buttons (==>, >, <, <==) are between the lists, and up/down arrows are on the right of the 'Selected Fields' list. At the bottom left is a 'Back' button with a left arrow, and at the bottom right is an 'Export' button with a right arrow. Red boxes highlight the 'input_properties' dropdown, the 'input_data' dropdown, and the 'Export' button.

5. Click "Export". The system will create the export task and will redirect you to the **Import/Export Tasks** page. The export task will start immediately. In the **Import/Export Tasks** page you can monitor the progress of the export task and download the generated data file after the task is finished.

Search Datasets

To search for all available imported datasets select from the navigation bar **Dataset** → **Search Datasets** and the **Dataset Search** page will be displayed.

Dataset Search

Dataset Name

Start Date

User

Dataset Format

End Date

Owner Group

Import
 View Tasks
 Delete Selected
 Clear selection

no dataset selected

Dataset List

<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions
<input type="checkbox"/>	9a	SBS_DATA	BDUser		22/08/2012 11:44:17	9268	
<input type="checkbox"/>	ErrorLog_120822114428983	errDsd	BDUser		22/08/2012 11:44:37	13972	
<input type="checkbox"/>	ErrorLog_120822114446928	errDsd	BDUser		22/08/2012 11:44:59	13974	

Results/page page /1 Showing 1 - 3 of 3 results

In the **Dataset List** panel, the following actions can be performed:


Action buttons	Description
- View Details	View the records of the specific dataset
- Export	Export the specific dataset
- Graphics	Generate Graphics
- Db Export	Export the dataset to an external database
- Delete	Delete the specific dataset
- Manage Owner Group	Manage Owner Group for the specific dataset

You may:

1. Enter the search criteria by using any combination of the fields.
 - The identification of the dataset: "**Dataset Name**".

- The format used for it: "**Dataset Format**".
- The user which uploaded the dataset: "**User**" – drop-down list containing all the users present in the domain.
- The period of creation: "**Start Date**" and "**End Date**" (click on the field to popup a calendar control for the selection of the dates).

Note: The **User** field is automatically filled in with the current user logged in.
























































2. Click the  button. The system will populate the **Dataset List** panel with the list of matching records (all the datasets will be listed if you do not provide search criteria).

Datasets - multiple selection and pagination

On the **Search Datasets** Page there is the option to perform **multiple selection** of the records by checking the check-box for each record (dataset). A label with the total number of selected records is displayed.

Multiple Selection allows for selecting records from multiple pages and search results.

6 datasets selected

Dataset List								
<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No Records	of	Actions
<input checked="" type="checkbox"/>	c1	countryDsd	programmer		Mon Jul 30 15:34:24 EEST 2012	10		   
<input checked="" type="checkbox"/>	c11	countryDsd	programmer		Mon Jul 30 15:42:43 EEST 2012	10		   
<input type="checkbox"/>	country11	countryDsd	programmer		Mon Jul 30 15:02:43 EEST 2012	6		   
<input type="checkbox"/>	countryISO_ABC	countryISO	programmer		Mon Jul 30 15:18:35 EEST 2012	35		   
<input type="checkbox"/>	countryISO_CDE	countryISO	programmer		Mon Jul 30 15:19:13 EEST 2012	28		   
<input type="checkbox"/>	countryISO_ch	countryISO	programmer		Mon Jul 30 15:19:41 EEST 2012	0		   
<input checked="" type="checkbox"/>	country_1	countryDsd	programmer		Mon Jul 30 15:55:08 EEST 2012	6		   
<input checked="" type="checkbox"/>	country_2	countryDsd	programmer		Mon Jul 30 16:14:52 EEST 2012	7		   
<input checked="" type="checkbox"/>	country_3	countryDsd	programmer		Mon Jul 30 16:15:43 EEST 2012	6		   
<input checked="" type="checkbox"/>	country_4	countryDsd	programmer		Mon Jul 30 16:16:14 EEST 2012	6		   
<input type="checkbox"/>	country_c	country_C	programmer		Mon Jul 30 15:13:20 EEST 2012	11		   
<input type="checkbox"/>	countrybig	countryDsd	programmer		Mon Jul 30 15:10:40 EEST 2012	26624		   
<input type="checkbox"/>	innerJoined_120730172350234	countryISO	programmer		Mon Jul 30 17:23:55 EEST 2012	0		   
<input type="checkbox"/>	input2_120730171655872	countryDsd	programmer		Mon Jul 30 17:16:59 EEST 2012	26624		   
<input type="checkbox"/>	input2_120730171710514	countryDsd	programmer		Mon Jul 30 17:17:16 EEST 2012	6		   

Results/page 15 page 1 /3 1 2 3 Showing 1 - 15 of 43 results

To De-Select all Records (Datasets) you have to use the **Clear Selection** button.

Import View Tasks **X** Delete Selected **Clear selection**

6 datasets selected

Dataset List							
<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No Records	of Actions
<input checked="" type="checkbox"/>	c1	countryDsd	programmer		Mon Jul 30 15:34:24 EEST 2012	10	
<input checked="" type="checkbox"/>	c11	countryDsd	programmer		Mon Jul 30 15:42:43 EEST 2012	10	
<input type="checkbox"/>	country11	countryDsd	programmer		Mon Jul 30 15:02:43 EEST 2012	6	
<input type="checkbox"/>	countryISO_ABC	countryISO	programmer		Mon Jul 30 15:08:35 EEST 2012	35	
<input type="checkbox"/>	countryISO_CDE	countryISO	programmer		Mon Jul 30 15:09:13 EEST 2012	28	
<input type="checkbox"/>	countryISO_ch	countryISO	programmer		Mon Jul 30 15:09:41 EEST 2012	0	
<input checked="" type="checkbox"/>	country_1	countryDsd	programmer		Mon Jul 30 16:05:08 EEST 2012	6	
<input checked="" type="checkbox"/>	country_2	countryDsd	programmer		Mon Jul 30 16:14:52 EEST 2012	7	
<input checked="" type="checkbox"/>	country_3	countryDsd	programmer		Mon Jul 30 16:15:43 EEST 2012	6	
<input checked="" type="checkbox"/>	country_4	countryDsd	programmer		Mon Jul 30 16:16:14 EEST 2012	6	
<input type="checkbox"/>	country_c	country_C	programmer		Mon Jul 30 15:13:20 EEST 2012	11	
<input type="checkbox"/>	countrybig	countryDsd	programmer		Mon Jul 30 15:10:40 EEST 2012	26624	
<input type="checkbox"/>	innerJoined_120730172350234	countryISO	programmer		Mon Jul 30 17:23:55 EEST 2012	0	
<input type="checkbox"/>	input2_120730171655872	countryDsd	programmer		Mon Jul 30 17:16:59 EEST 2012	26624	
<input type="checkbox"/>	input2_120730171710514	countryDsd	programmer		Mon Jul 30 17:17:16 EEST 2012	6	

Results/page 15 / page 1 / 3 1 2 3 Showing 1 - 15 of 43 results

After you click **Ok** all records will be de-selected

You can delete the selected records by using the **Delete Selected** button.

The screenshot shows a toolbar with four buttons: 'Import', 'View Tasks', 'Delete Selected' (highlighted with a red box), and 'Clear selection'. Below the toolbar, a yellow banner indicates '3 datasets selected'. The main area contains a 'Dataset List' table with the following data:

<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions
<input checked="" type="checkbox"/>	aaa1	countryDsd	programmer		Tue Jul 31 11:48:41 EEST 2012	3	
<input checked="" type="checkbox"/>	aaaa2	countryDsd	programmer		Tue Jul 31 11:49:02 EEST 2012	3	
<input checked="" type="checkbox"/>	aaaaa3	countryDsd	programmer		Tue Jul 31 11:49:28 EEST 2012	6	
<input type="checkbox"/>	c1	countryDsd	programmer		Mon Jul 30 15:34:24 EEST 2012	10	
<input type="checkbox"/>	c11	countryDsd	programmer		Mon Jul 30 15:42:43 EEST 2012	10	

Below the table, there is a pagination control showing 'Results/page 5 /10', 'page 1 /10', and a set of navigation buttons (1, 2, 3, 4, 5, arrows). The text 'Showing 1 - 5 of 46 results' is displayed on the right.

The screenshot shows the same interface as above, but with a modal dialog box open. The dialog box has a question mark icon and the text: 'Are you sure you want to do delete selected datasets?'. It has 'Cancel' and 'Ok' buttons. The background interface is dimmed, showing the 'Delete Selected' button and the 'Dataset List' table.

Click the **Ok** button to confirm the deletion

Note: If a selected dataset is involved in a Job execution the deletion is not possible and the following message appears: "exception in deleting the selected datasets, cause: There are jobs referencing this dataset instance"

Display Selected Records – after selecting multiple records, the label with the total number of selected records is displayed.

6 datasets selected

View selected records

<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions
<input checked="" type="checkbox"/>	c1	countryDsd	programmer		Mon Jul 30 15:34:24 EEST 2012	10	
<input checked="" type="checkbox"/>	c11	countryDsd	programmer		Mon Jul 30 15:42:43 EEST 2012	10	
<input type="checkbox"/>	country11	countryDsd	programmer		Mon Jul 30 15:02:43 EEST 2012	6	
<input type="checkbox"/>	countryISO_ABC	countryISO	programmer		Mon Jul 30 15:18:35 EEST 2012	35	
<input type="checkbox"/>	countryISO_CDE	countryISO	programmer		Mon Jul 30 15:19:13 EEST 2012	28	

Results/page 5 page 1 /9 1 2 3 4 5 Showing 1 - 5 of 43 results

You can click on this label to display the selected records as the search results.
















6 datasets selected


<input checked="" type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No Records	of Actions
<input checked="" type="checkbox"/>	c1	countryDsd	programmer		Mon Jul 30 15:34:24 EEST 2012	10	
<input checked="" type="checkbox"/>	c11	countryDsd	programmer		Mon Jul 30 15:42:43 EEST 2012	10	
<input checked="" type="checkbox"/>	input2_120730171710514	countryDsd	programmer		Mon Jul 30 17:17:16 EEST 2012	6	
<input checked="" type="checkbox"/>	output1_120730171603151	country_A1	programmer		Mon Jul 30 17:16:14 EEST 2012	12	
<input checked="" type="checkbox"/>	output2_120730171803469	countryDsd	programmer		Mon Jul 30 17:18:08 EEST 2012	26624	

Results/page 5 page 1 /2 1 2 Showing 1 - 5 of 6 results

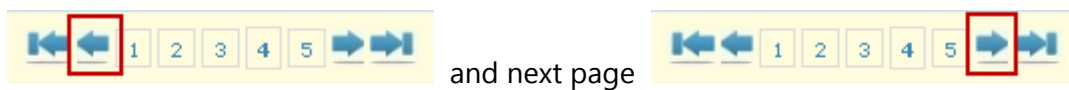
Navigation options on the Search Datasets page:

The System displays the results of the search split across multiple pages.

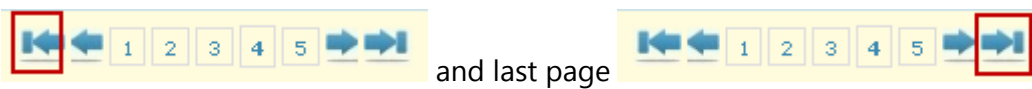
Dataset List							
<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions
<input type="checkbox"/>	countryISO_ch	countryISO	programmer		Mon Jul 30 15:19:41 EEST 2012	0	    
<input type="checkbox"/>	country_1	countryDsd	programmer		Mon Jul 30 15:55:08 EEST 2012	6	    
<input type="checkbox"/>	country_2	countryDsd	programmer		Mon Jul 30 16:14:52 EEST 2012	7	    
<input type="checkbox"/>	country_3	countryDsd	programmer		Mon Jul 30 16:15:43 EEST 2012	6	    
<input type="checkbox"/>	country_4	countryDsd	programmer		Mon Jul 30 16:16:14 EEST 2012	6	    

Results/page 5 page 2 /9  1 2 3 4 5  Showing 6 - 10 of 43 results


























The System presents the option to navigate to the previous





The System presents the option to navigate to the first page



The System presents the option to navigate to a specific page number.

Dataset List							
<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions
<input type="checkbox"/>	countryISO_ch	countryISO	programmer		Mon Jul 30 15:19:41 EEST 2012	0	    
<input type="checkbox"/>	country_1	countryDsd	programmer		Mon Jul 30 15:55:08 EEST 2012	6	    
<input type="checkbox"/>	country_2	countryDsd	programmer		Mon Jul 30 16:14:52 EEST 2012	7	    
<input type="checkbox"/>	country_3	countryDsd	programmer		Mon Jul 30 16:15:43 EEST 2012	6	    
<input type="checkbox"/>	country_4	countryDsd	programmer		Mon Jul 30 16:16:14 EEST 2012	6	    

Results/page 5 page 2 /9  1 2 3 4 5  Showing 6 - 10 of 43 results

Write a valid page number and press the "Enter" key

The System displays the option to change the number of elements displayed on each page.

Dataset List

<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No Records	of Actions
<input type="checkbox"/>	output_agg2_120730171047429	aggDD1	programmer		Mon Jul 30 17:10:49 EEST 2012	1	
<input type="checkbox"/>	output_agg2_120730171411740	aggDD2	programmer		Mon Jul 30 17:14:14 EEST 2012	1	
<input type="checkbox"/>	output_agg_120730171035382	aggDD1	programmer		Mon Jul 30 17:10:37 EEST 2012	5	

Results/page: page /9 Showing 41 - 43 of 43 results


























5
 15
 25
 50
 100



Dataset List

<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No Records	of Actions
<input checked="" type="checkbox"/>	c1	countryDsd	programmer		Mon Jul 30 15:34:24 EEST 2012	10	
<input checked="" type="checkbox"/>	c11	countryDsd	programmer		Mon Jul 30 15:42:43 EEST 2012	10	
<input type="checkbox"/>	country11	countryDsd	programmer		Mon Jul 30 15:02:43 EEST 2012	6	
<input type="checkbox"/>	countryISO_ABC	countryISO	programmer		Mon Jul 30 15:18:35 EEST 2012	35	
<input type="checkbox"/>	countryISO_CDE	countryISO	programmer		Mon Jul 30 15:19:13 EEST 2012	28	
<input type="checkbox"/>	countryISO_ch	countryISO	programmer		Mon Jul 30 15:19:41 EEST 2012	0	
<input type="checkbox"/>	country_1	countryDsd	programmer		Mon Jul 30 15:55:08 EEST 2012	6	
<input type="checkbox"/>	country_2	countryDsd	programmer		Mon Jul 30 16:14:52 EEST 2012	7	
<input type="checkbox"/>	country_3	countryDsd	programmer		Mon Jul 30 16:15:43 EEST 2012	6	
<input type="checkbox"/>	country_4	countryDsd	programmer		Mon Jul 30 16:16:14 EEST 2012	6	
<input type="checkbox"/>	country_c	country_C	programmer		Mon Jul 30 15:13:20 EEST 2012	11	
<input type="checkbox"/>	countrybig	countryDsd	programmer		Mon Jul 30 15:10:40 EEST 2012	26624	
<input type="checkbox"/>	innerJoined_120730172350234	countryISO	programmer		Mon Jul 30 17:23:55 EEST 2012	0	
<input checked="" type="checkbox"/>	input2_120730171655872	countryDsd	programmer		Mon Jul 30 17:16:59 EEST 2012	26624	
<input checked="" type="checkbox"/>	input2_120730171710514	countryDsd	programmer		Mon Jul 30 17:17:16 EEST 2012	6	


Results/page: page /3 Showing 1 - 15 of 43 results

The number of records can be seen in the **Showing results** message.

Dataset List							
<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions
<input type="checkbox"/>	CFLAG	CFlagCodes	programmer		01/08/2012 16:50:13	6	    
<input type="checkbox"/>	ErrorLog_120801181449886	errDsd	programmer		01/08/2012 18:14:51	16223	    
<input checked="" type="checkbox"/>	Nuts_Codes_3C	NUTS	programmer		01/08/2012 16:50:29	521	    
<input type="checkbox"/>	Nuts_Codes_3K	NUTS	programmer		01/08/2012 16:50:30	521	    
<input checked="" type="checkbox"/>	Product_Bkd_3E	productB	programmer		01/08/2012 16:50:32	21	    

Results/page page /8 1 2 3 4 5   Showing 1 - 5 of 39 results

Datasets Details

In the **Dataset List** panel, locate the dataset you wish to view and click the Dataset Details button . The application will open the **Dataset Details** page.

Dataset Profile

Dataset Name: nom1

Dataset Format

4 Displayed Columns

ROW_NUMBER CODE START_VAL END_VAL11	==> -> <- <==	0 Hidden Columns
--	------------------------	------------------

Dataset Content

ROW_NUMBER	CODE	START_VAL	END_VAL11	Actions
1	start	inc_begi	inc_end_	
2	90000000	01JAN1988:00:00:00	31DEC1998:00:00:00	
3	101101000	01JAN2002:00:00:00	31DEC2500:00:00:00	
4	101109000	01JAN2002:00:00:00	31DEC2500:00:00:00	
5	101109010	01JAN2002:00:00:00	31DEC2500:00:00:00	
6	101109090	01JAN2002:00:00:00	31DEC2500:00:00:00	
7	101110000	01JAN1988:00:00:00	31DEC2001:00:00:00	
8	101191000	01JAN1988:00:00:00	31DEC2001:00:00:00	
9	101199000	01JAN1988:00:00:00	31DEC2001:00:00:00	
10	101201000	01JAN1988:00:00:00	31DEC2001:00:00:00	
11	101209000	01JAN1988:00:00:00	31DEC2001:00:00:00	
12	101901100	01JAN2002:00:00:00	31DEC2500:00:00:00	
13	101901900	01JAN2002:00:00:00	31DEC2500:00:00:00	
14	101903000	01JAN2002:00:00:00	31DEC2500:00:00:00	
15	101909000	01JAN2002:00:00:00	31DEC2500:00:00:00	

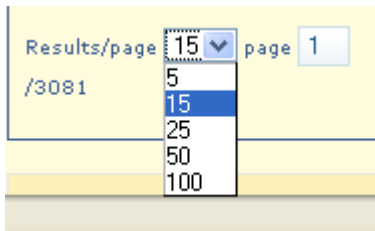
Results/page page 1 2 3 4 5 Showing 1 - 15 of 46215 results

In the **Dataset Details** page, you may:

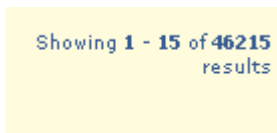
1. Select the fields you want to visualize. By default all the fields are displayed. Use the arrows to move the fields between the **Displayed Columns** and **Hidden Columns** lists. The application will automatically update the **Dataset Content** table with the visible columns you have selected (the maximum number of visible columns is 100).
2. You may navigate through the record set by using the pagination controls.




3. The number of records that are displayed can be chosen using the drop-down list from **Results/page**.




- The number of records can be seen on the **Showing results**.



- Click the  button next to the record you wish to see the details. The application will open the **Record Details** page with the data corresponding to the selected record.
- Optionally, click the **Dataset Format** panel header bar to open or close the **Dataset Format** panel.

DB Export

In the **Dataset List** panel, locate a dataset you wish to export to an External Database and click to the action button  - Db Export.

Dataset List							
<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions
<input type="checkbox"/>	country11	countryDsd	programmer		Mon Jul 30 15:02:43 EEST 2012	6	    

The application will open the **Dataset Export DB** page.

Home Datasets Programs Jobs Formats Administration Templates

Database Properties

Database Connection Template: externaldb Database Select Template: insert_extdb

Database Fields

Dataset Format: countryDsd Database Fields: ...

Select Fields

Available Fields: PRICE, QUANTITY, VALUE

Selected Fields: COUNTRY, CTYPE, MONTH, PRODUCT

Sort Data



Add field

Back Export

Precondition: The Programmer user has prepared the "Database Connection Template" and "Database Select Template"

To export a dataset to an External Database you should follow the steps:

1. Select valid "External database connection template" that match with the external database table
2. Select valid "Database Select Template" (insert statement) that match with the external database table
3. Select valid "Fields to be exported" that match with the external database table
4. Click on "Export" button. ". The system will create the export task and will redirect you to the **Import/Export Tasks** page. The export task will start immediately. In the **Import/Export Tasks** page you can monitor the progress of the export task and view the dataset file that was exported to the external database.

Dataset Import / Export History							
User	Format	Name	Type	Start Time	End Time	Status	Actions
user	countryDsd	country	EXPORTDB	Tue Dec 20 15:44:09 EET 2011	Tue Dec 20 15:44:11 EET 2011	COMPLETED	 

DB Import

In the **Datasets Menu**, choose the **"Import Datasets DB"** option to import a dataset from an External Database.

The application will open the **Dataset Import DB** page.

Precondition: Programmer user has prepared the **"Database Connection Template"** and **"Database Select Template"**


The screenshot shows the 'Database Import' page with the following configuration:

- Database Import:** Max number of errors: 100
- Database Properties:** Database Connection Template: externaldb; Database Select Template: select_ext_DB
- Database Fields:** Dataset Format: countryDsd; File Fields: ...
- Select Fields:** Available Fields: PRICE, QUANTITY, VALUE; Selected Fields: COUNTRY, CTYPE, MONTH, PRODUCT
- Dataset:** Create New (selected); imp_from_DB; Owner Group: ...; Import button











To import a dataset from an External Database you should follow the steps:

1. Select valid **"External database connection template"** that match with the external database table
2. Select valid **"Database Select Template"** (select statement) that match with the external database table
3. Select valid **"Fields to be exported"** that match with the external database table


- Click on **"Import"** button. ". The system will create the import task and will redirect you to the **Import/Export Tasks** page. The import task will start immediately. In the **Import/Export Tasks** page you can monitor the progress of the import task and view the dataset file that was exported to the external database.

Dataset Import / Export History							
User	Format	Name	Type	Start Time	End Time	Status	Actions
user	countryDsd	imp_from_DB	IMPORTDB	Wed Dec 21 12:45:13 EET 2011	Wed Dec 21 12:45:15 EET 2011	COMPLETED	
user	countryDsd	country	IMPORT	Wed Dec 21 12:36:21 EET 2011	Wed Dec 21 12:36:22 EET 2011	COMPLETED	

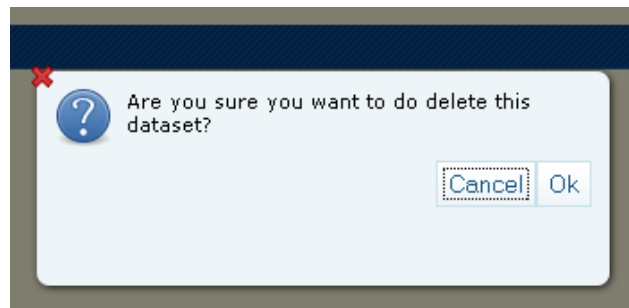
- Click on **"View Details"** to verify the imported data:

Dataset Content								
ROW_NUMBER	COUNTRY	CTYPE	MONTH	PRODUCT	PRICE	QUANTITY	VALUE	Actions
1	FR	I	JAN	Oil				
2	FR	I	FEB	Oil				
3	FR	I	MAR	Oil				
4	FR	I	APR	Oil				
5	FR	I	MAY	Oil				
6	RO	I	JAN	Oil				
7	RO	I	FEB	Oil				
8	GB	I	MAR	Oil				
9	GB	I	APR	Oil				
10	GB	I	MAY	Oil				

Delete Imported Datasets from the EBB System

In the **Dataset List** panel, locate the dataset you wish to delete. Click the Delete Dataset  icon to delete the specific dataset.

A confirmation dialog will always appear to confirm the deletion request.



- Click **"Ok"** to delete the dataset.
- Click **"Cancel"** to cancel the deletion of the dataset.

Exception: A dataset that is involved in a Job execution can't be deleted. If you want to delete a dataset that is used either as an input or an output in a Job, first you have to delete the Job.

Import/Export Dataset History from the EBB System

In the navigation bar by selecting **Dataset → Imports/Exports** you will access the Dataset Import/Export History page.

Dataset Import / Export History							
User	Format	Name	Type	Start Time	End Time	Status	Actions
user	countryDsd	country	EXPORT	Wed Dec 21 12:53:33 EET 2011	Wed Dec 21 12:53:33 EET 2011	COMPLETED	
user	countryDsd	country	EXPORTDB	Wed Dec 21 12:53:17 EET 2011	Wed Dec 21 12:53:19 EET 2011	COMPLETED	
user	countryDsd	imp_from_DB	IMPORTDB	Wed Dec 21 12:45:13 EET 2011	Wed Dec 21 12:45:15 EET 2011	COMPLETED	
user	countryDsd	country	IMPORT	Wed Dec 21 12:36:21 EET 2011	Wed Dec 21 12:36:22 EET 2011	COMPLETED	

In the **Dataset Import/Export History Search** panel you may:

- Enter the search criteria by using any combination of the fields:
 - Task information: **"Name"**
 - The status of the task: **"Status"** – drop-down list with the possible values Running, Cancelled, Failed, Completed and Pending.
 - The user which created the task: **"User"** – drop-down list containing all the users present in the domain.
 - The format used for the task: **"Format"**- drop-down list containing all the formats present in the domain.
 - Period of creation of the task: **"Start Time"** and **"End Time"** (click on the field and the application will display a calendar to help you select the dates).
 - Task **"Type"** – drop-down list with the possible values: Import and Export.

Note: The **User** field is automatically filled in with the current user logged in.

- Click **"Search"**. The application will populate the **Dataset Import/ Export History** panel with the matching records (all the tasks will be listed if the search criteria are empty).

Dataset Import / Export History Search

Name <input style="width: 80%;" type="text"/>	Type <input style="width: 80%;" type="text"/>
Status <input style="width: 80%;" type="text"/>	Format <input style="width: 80%;" type="text"/>
Start Time <input style="width: 80%;" type="text"/>	End Time <input style="width: 80%;" type="text"/>
User <input style="width: 80%;" type="text" value="BDUser"/>	<input style="width: 80%;" type="button" value="Search"/>

In the Dataset Import/Export History panel, the application will allow you to:

Action buttons	Description
- View Details	View the dataset associated with the task
- Delete Task	Delete the task (associated datasets are not deleted only the task record).
- Download Data File	Download Data File generated by the task. <ul style="list-style-type: none"> for IMPORT tasks this will contain the rows that generated errors during import; for EXPORT tasks this will contain the exported data
- Download Log File	Download the error log that was generated during the execution of the task

Import/Export Dataset History – multiple selection and pagination

On the **Import/Export Dataset History** Page there is the option to perform multiple selection of the records by checking the check-box for each record (task). A label with the total number of selected records is displayed.

Multiple Selection allows for selecting records from multiple pages and search results.

6 tasks selected

Dataset Import / Export History								
<input type="checkbox"/>	User	Format	Name	Type	Start Time	End Time	Status	Actions
<input type="checkbox"/>	programmer	errDsd	ErrorLog_12080312210677	EXPORT	03/08/2012 13:40:03	03/08/2012 13:40:04	COMPLETED	
<input type="checkbox"/>	programmer	addFields	aaa	EXPORTDB	03/08/2012 12:52:03	03/08/2012 12:52:05	COMPLETED	
<input type="checkbox"/>	programmer	addFields	aaa	EXPORTDB	03/08/2012 12:49:47	03/08/2012 12:49:50	COMPLETED	
<input type="checkbox"/>	programmer	addFields	aaa	IMPORT	03/08/2012 12:48:09	03/08/2012 12:48:09	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3P	IMPORT	03/08/2012 12:20:48	03/08/2012 12:20:48	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3K	IMPORT	03/08/2012 12:20:47	03/08/2012 12:20:47	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3J	IMPORT	03/08/2012 12:20:46	03/08/2012 12:20:46	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3I	IMPORT	03/08/2012 12:20:45	03/08/2012 12:20:45	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3H	IMPORT	03/08/2012 12:20:43	03/08/2012 12:20:44	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3G	IMPORT	03/08/2012 12:20:42	03/08/2012 12:20:42	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3F	IMPORT	03/08/2012 12:20:41	03/08/2012 12:20:41	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3E	IMPORT	03/08/2012 12:20:40	03/08/2012 12:20:40	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3D	IMPORT	03/08/2012 12:20:39	03/08/2012 12:20:39	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3C	IMPORT	03/08/2012 12:20:38	03/08/2012 12:20:38	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3B	IMPORT	03/08/2012 12:20:36	03/08/2012 12:20:37	COMPLETED	

Results/page 15 page 1 /3 1 2 3 Showing 1 - 15 of 40 results

To De-Select all Records (Datasets) you have to use button **Clear Selection**

Delete Selected **Clear selection**

6 tasks selected

Dataset Import / Export History								
<input type="checkbox"/>	User	Format	Name	Type	Start Time	End Time	Status	Actions
<input type="checkbox"/>	programmer	errDsd	ErrorLog_12080312210677	EXPORT	03/08/2012 13:40:03	03/08/2012 13:40:04	COMPLETED	
<input type="checkbox"/>	programmer	addFields	aaa	EXPORTDB	03/08/2012 12:52:03	03/08/2012 12:52:05	COMPLETED	
<input type="checkbox"/>	programmer	addFields	aaa	EXPORTDB	03/08/2012 12:49:47	03/08/2012 12:49:50	COMPLETED	
<input type="checkbox"/>	programmer	addFields	aaa	IMPORT	03/08/2012 12:48:09	03/08/2012 12:48:09	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3P	IMPORT	03/08/2012 12:20:48	03/08/2012 12:20:48	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3K	IMPORT	03/08/2012 12:20:47	03/08/2012 12:20:47	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3J	IMPORT	03/08/2012 12:20:46	03/08/2012 12:20:46	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3I	IMPORT	03/08/2012 12:20:45	03/08/2012 12:20:45	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3H	IMPORT	03/08/2012 12:20:43	03/08/2012 12:20:44	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3G	IMPORT	03/08/2012 12:20:42	03/08/2012 12:20:42	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3F	IMPORT	03/08/2012 12:20:41	03/08/2012 12:20:41	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3E	IMPORT	03/08/2012 12:20:40	03/08/2012 12:20:40	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3D	IMPORT	03/08/2012 12:20:39	03/08/2012 12:20:39	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3C	IMPORT	03/08/2012 12:20:38	03/08/2012 12:20:38	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3B	IMPORT	03/08/2012 12:20:36	03/08/2012 12:20:37	COMPLETED	

Results/page 15 page 1 /3 1 2 3 Showing 1 - 15 of 40 results

Are you sure you want to clear the selected datasets list?

After you click **Ok** all records will be de-selected

You can delete the selected records by using the **Delete Selected** button.

The screenshot shows a yellow header bar with a red 'X' icon and the text 'Delete Selected' next to a 'Clear selection' button. Below this, a yellow bar indicates '3 tasks selected'. The main content is a table titled 'Dataset Import / Export History' with columns: User, Format, Name, Type, Start Time, End Time, Status, and Actions. The table contains five rows of data, with the first three rows selected (checkboxes checked). The 'Actions' column for each row contains a trash icon and a red 'X' icon. At the bottom, there is a pagination control showing 'Results/page 5', 'page 1 / 8', and 'Showing 1 - 5 of 40 results'.

The screenshot shows a confirmation dialog box with a question mark icon and the text 'Are you sure you want to do delete selected datasets?'. The dialog has 'Cancel' and 'Ok' buttons. In the background, the 'Delete Selected' button is highlighted with a red 'X' icon. The table from the previous screenshot is visible but dimmed.

Click the **Ok** button to confirm the deletion. Message appears:

The selected items were deleted

Display Selected Records – after selecting multiple records, the label with the total number of selected records is displayed.

The screenshot shows a yellow header bar with a red 'X' icon and the text '5 tasks selected'. Below this, a yellow bar contains a 'View selected records' button. The main content is the same 'Dataset Import / Export History' table as in the previous screenshots, but now five rows are selected (checkboxes checked). The 'Status' column shows 'PENDING' for the first and third rows, and 'COMPLETED' for the others. The 'Actions' column contains a trash icon and a red 'X' icon for each row. The pagination control at the bottom shows 'Results/page 5', 'page 1 / 8', and 'Showing 1 - 5 of 40 results'.

You can click on this label to display the selected records as the search results.

5 tasks selected

Dataset Import / Export History								
<input checked="" type="checkbox"/>	User	Format	Name	Type	Start Time	End Time	Status	Actions
<input checked="" type="checkbox"/>	programmer	addFields	aaa	IMPORT	03/08/2012 12:48:09	03/08/2012 12:48:09	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3P	IMPORT	03/08/2012 12:20:48	03/08/2012 12:20:48	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3F	IMPORT	03/08/2012 12:20:41	03/08/2012 12:20:41	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3E	IMPORT	03/08/2012 12:20:40	03/08/2012 12:20:40	COMPLETED	
<input checked="" type="checkbox"/>	programmer	VariableCodes	V_Codes_3D	IMPORT	03/08/2012 12:20:39	03/08/2012 12:20:39	COMPLETED	

Results/page 5 page 1 /1 Showing 1 - 5 of 5 results

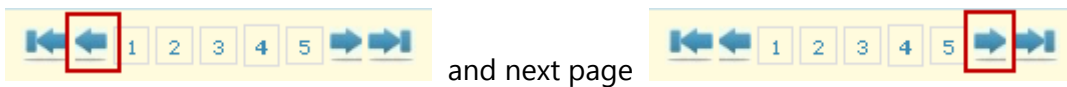
Navigation options on the Search Datasets page:

The System displays the results of the search split across multiple pages.

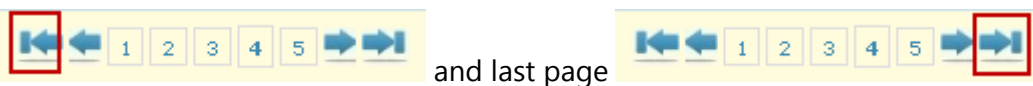
Dataset List							
<input type="checkbox"/>	Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions
<input type="checkbox"/>	countryISO_ch	countryISO	programmer		Mon Jul 30 15:19:41 EEST 2012	0	
<input type="checkbox"/>	country_1	countryDsd	programmer		Mon Jul 30 15:55:08 EEST 2012	6	
<input type="checkbox"/>	country_2	countryDsd	programmer		Mon Jul 30 16:14:52 EEST 2012	7	
<input type="checkbox"/>	country_3	countryDsd	programmer		Mon Jul 30 16:15:43 EEST 2012	6	
<input type="checkbox"/>	country_4	countryDsd	programmer		Mon Jul 30 16:16:14 EEST 2012	6	

Results/page 5 page 2 /9 Showing 6 - 10 of 43 results

The System presents the option to navigate to the previous page



The System presents the option to navigate to the first page



The System presents the option to navigate to a specific page number.

Dataset Import / Export History								
<input type="checkbox"/>	User	Format	Name	Type	Start Time	End Time	Status	Actions
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3K	IMPORT	03/08/2012 12:20:47	03/08/2012 12:20:47	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3J	IMPORT	03/08/2012 12:20:46	03/08/2012 12:20:46	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3I	IMPORT	03/08/2012 12:20:45	03/08/2012 12:20:45	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3H	IMPORT	03/08/2012 12:20:43	03/08/2012 12:20:44	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3G	IMPORT	03/08/2012 12:20:42	03/08/2012 12:20:42	COMPLETED	

Results/page 5 page 2 /8 Showing 6 - 10 of 40 results

Write a valid page number and press the "Enter" key

Dataset Import / Export History								
<input type="checkbox"/>	User	Format	Name	Type	Start Time	End Time	Status	Actions
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3A	IMPORT	03/08/2012 12:20:35	03/08/2012 12:20:35	COMPLETED	
<input type="checkbox"/>	programmer	UNITS	Units_Codes_3	IMPORT	03/08/2012 12:20:34	03/08/2012 12:20:34	COMPLETED	
<input type="checkbox"/>	programmer	T_SIZE_CLASS	T_Sizedclass_3D	IMPORT	03/08/2012 12:20:33	03/08/2012 12:20:33	COMPLETED	
<input type="checkbox"/>	programmer	SIZE_CLASS	Size_C_3B	IMPORT	03/08/2012 12:20:32	03/08/2012 12:20:32	COMPLETED	
<input type="checkbox"/>	programmer	SBS_DATA	sbs1	IMPORT	03/08/2012 12:20:29	03/08/2012 12:20:31	COMPLETED	

Results/page page /8 Showing 16 - 20 of 40 results

The System displays the option to change the number of elements displayed on each page.

Dataset Import / Export History								
<input type="checkbox"/>	User	Format	Name	Type	Start Time	End Time	Status	Actions
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3A	IMPORT	03/08/2012 12:20:35	03/08/2012 12:20:35	COMPLETED	
<input type="checkbox"/>	programmer	UNITS	Units_Codes_3	IMPORT	03/08/2012 12:20:34	03/08/2012 12:20:34	COMPLETED	
<input type="checkbox"/>	programmer	T_SIZE_CLASS	T_Sizedclass_3D	IMPORT	03/08/2012 12:20:33	03/08/2012 12:20:33	COMPLETED	
<input type="checkbox"/>	programmer	SIZE_CLASS	Size_C_3B	IMPORT	03/08/2012 12:20:32	03/08/2012 12:20:32	COMPLETED	
<input type="checkbox"/>	programmer	SBS_DATA	sbs1	IMPORT	03/08/2012 12:20:29	03/08/2012 12:20:31	COMPLETED	

Results/page page /8 Showing 16 - 20 of 40 results

Dataset Import / Export History								
<input type="checkbox"/>	User	Format	Name	Type	Start Time	End Time	Status	Actions
<input type="checkbox"/>	programmer	countryDsd	c1	EXPORT			PENDING	
<input type="checkbox"/>	programmer	countryDsd	c1	IMPORT	03/08/2012 14:18:06	03/08/2012 14:18:07	COMPLETED	
<input type="checkbox"/>	programmer	addFields	aaa	EXPORT			PENDING	
<input type="checkbox"/>	programmer	addFields	aaa	IMPORT	03/08/2012 12:48:09	03/08/2012 12:48:09	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3P	IMPORT	03/08/2012 12:20:48	03/08/2012 12:20:48	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3K	IMPORT	03/08/2012 12:20:47	03/08/2012 12:20:47	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3J	IMPORT	03/08/2012 12:20:46	03/08/2012 12:20:46	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3I	IMPORT	03/08/2012 12:20:45	03/08/2012 12:20:45	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3H	IMPORT	03/08/2012 12:20:43	03/08/2012 12:20:44	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3G	IMPORT	03/08/2012 12:20:42	03/08/2012 12:20:42	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3F	IMPORT	03/08/2012 12:20:41	03/08/2012 12:20:41	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3E	IMPORT	03/08/2012 12:20:40	03/08/2012 12:20:40	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3D	IMPORT	03/08/2012 12:20:39	03/08/2012 12:20:39	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3C	IMPORT	03/08/2012 12:20:38	03/08/2012 12:20:38	COMPLETED	
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3B	IMPORT	03/08/2012 12:20:36	03/08/2012 12:20:37	COMPLETED	

Results/page page /3 Showing 1 - 15 of 40 results

The number of records can be seen on the **Showing results**.

Dataset Import / Export History								
	User	Format	Name	Type	Start Time	End Time	Status	Actions
<input type="checkbox"/>	programmer	VariableCodes	V_Codes_3A	IMPORT	03/08/2012 12:20:35	03/08/2012 12:20:35	COMPLETED	
<input type="checkbox"/>	programmer	UNITS	Units_Codes_3	IMPORT	03/08/2012 12:20:34	03/08/2012 12:20:34	COMPLETED	
<input type="checkbox"/>	programmer	T_SIZE_CLASS	T_Sizedclass_3D	IMPORT	03/08/2012 12:20:33	03/08/2012 12:20:33	COMPLETED	
<input type="checkbox"/>	programmer	SIZE_CLASS	Size_C_3B	IMPORT	03/08/2012 12:20:32	03/08/2012 12:20:32	COMPLETED	
<input type="checkbox"/>	programmer	SBS_DATA	sbs1	IMPORT	03/08/2012 12:20:29	03/08/2012 12:20:31	COMPLETED	

Results/page 5 page 4 /8

Showing 16 - 20 of 40 results

Generate Graphics

In the **Dataset List** panel, locate a dataset and click the Graphics button-

Dataset List							
Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions	
outlierData_120209112131239	Outliers_HBMEDIAN_QUARTILES	root		Thu Feb 09 11:21:37 EET 2012	23		
outlierData_120209112934559	Outliers_HBMEDIAN_QUARTILES	root		Thu Feb 09 11:29:41 EET 2012	23		

Datasets generate graphics page appears:

outlierData_120209112934559 - Select Fields

Available Fields

- ROW_NUMBER
- CTYPE
- PRICE
- QUANTITY
- DQ1

Selected Fields

Transposition >

Partition >

Value >

<==

<

Generate Graphics

Note: Graphics can be generated for all the listed datasets (inputs and outputs). There is a limitation for graphics with more than 100 partitions, and graphics with more than 300 dots inside a partition will not be generated.

Transposition >

- the values for the X – axis

Partition >

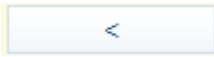
- the values of partition splits the graphics in multiple pages

Value >

- the selected field will be displayed on the Y- AXIS (only numerical values are accepted)

<==

- removes all selected fields



- removes only a selected field

Example of the generated graphics:

Available Fields

CTYPE
PRICE
QUANTITY
DQ1
DQ3

Transposition >
Partition >
Value >
<=<
<

Selected Fields

MONTH
HBMEDIAN_QUARTILES

COUNTRY
PRODUCT

VALUE

Generate Graphics

Line Chart for: outlierData_120209112131239 on partition: COUNTRY; PRODUCT

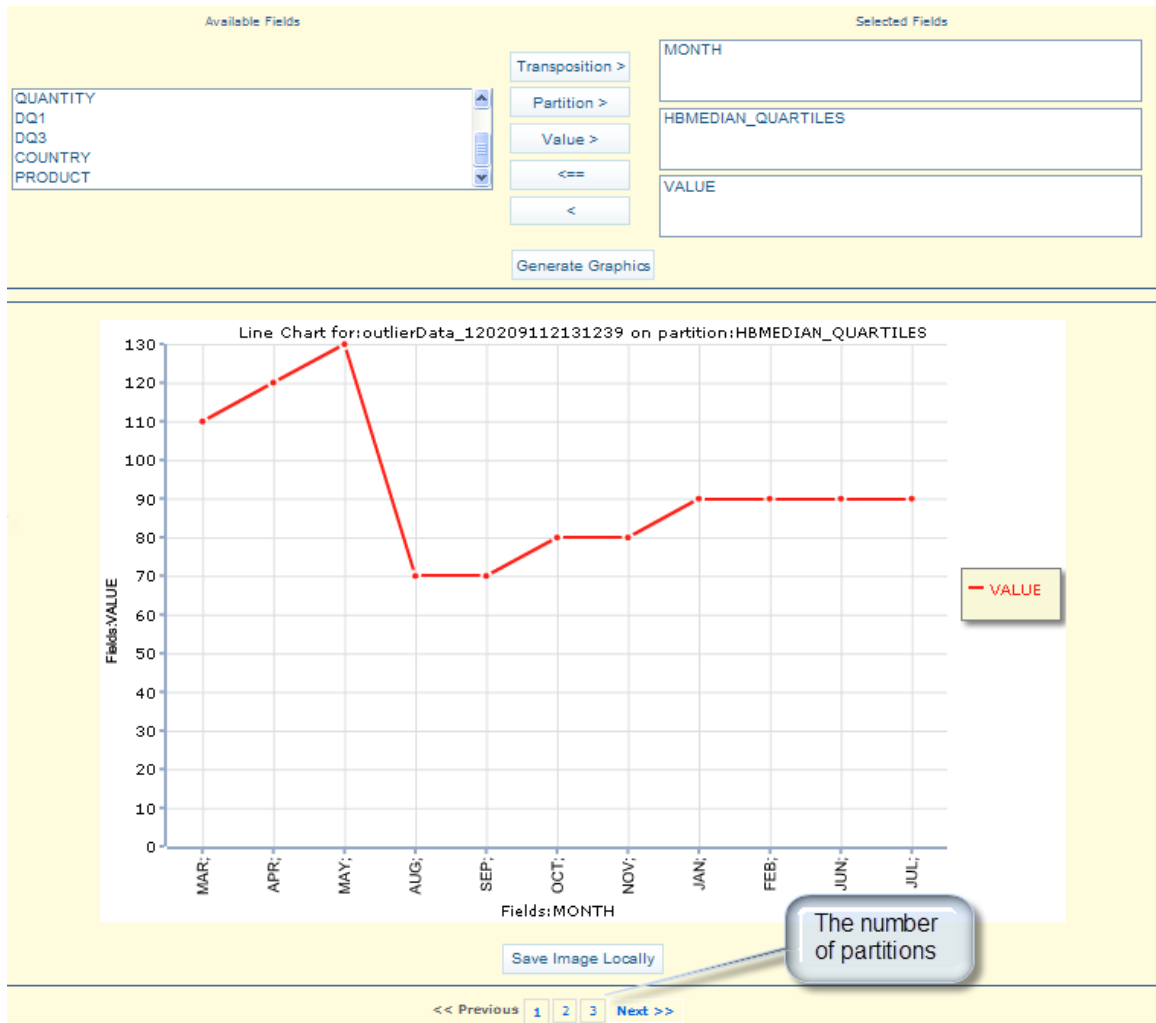
Month	Value
JAN	90
FEB	90
MAR	90
APR	80
MAY	80
JUN	90
JUL	90
AUG	100
SEP	100
OCT	90
NOV	110
DEC	110

Fields: VALUE

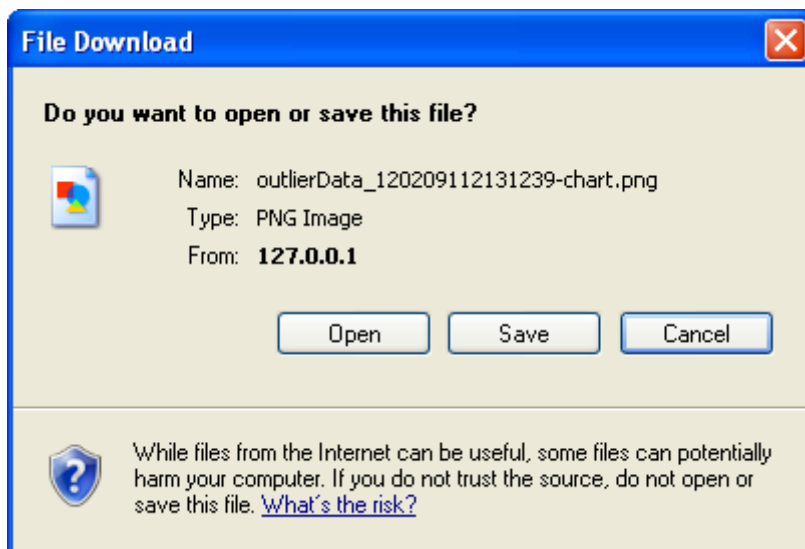
Fields: MONTH; HBMEDIAN_QUARTILES

Save Image Locally

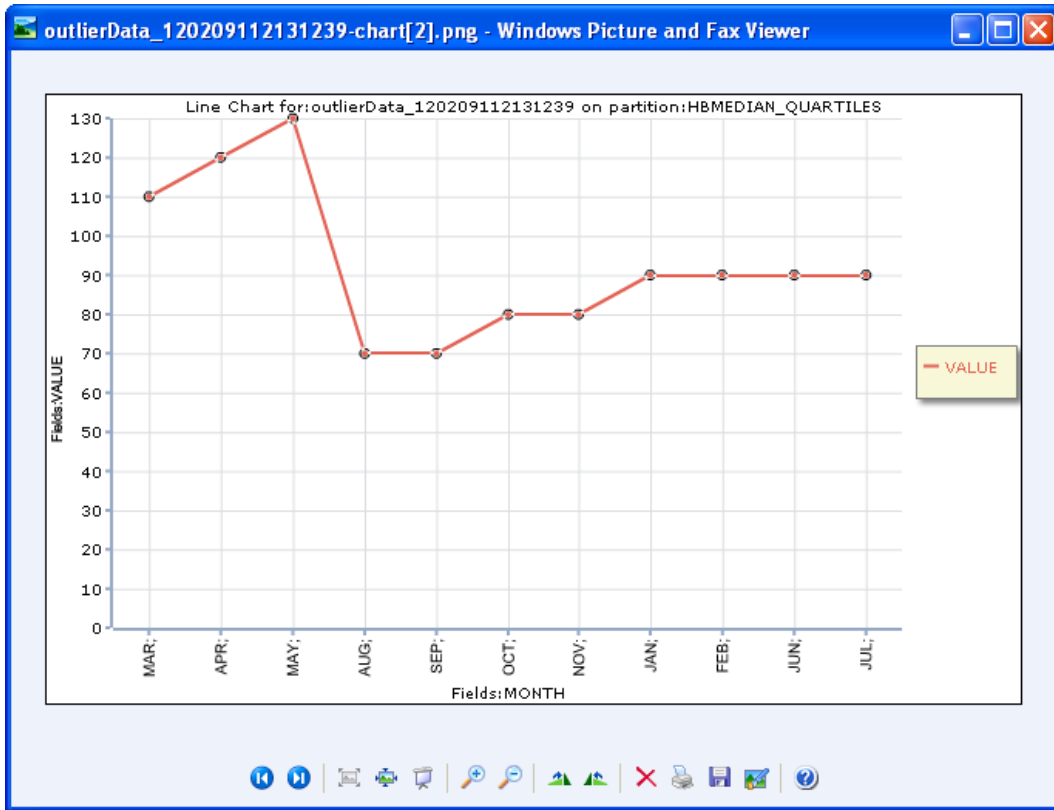
<< Previous 1 2 Next >>



Save Image Locally - Click this button to save the image of each displayed graphics to a png format file.



The graphics can be "Saved" or "Open" in .png format:



Chapter 4:

Job Management

In this section you will gain knowledge for:

- ✓ Creating a Job
- ✓ Searching a Job
- ✓ Multiple selection and Pagination
- ✓ Running a Job
- ✓ Viewing Job Results
- ✓ View dataset error statistics
- ✓ Obtain error report(s) on invalid dataset variables
- ✓ Browse the dataset error(s)

Note: This Chapter applies for **user role functionalities** and **programmer role functionalities**.

EBB Validation Job Creation

The **EBB** system core functionality lies on the definition of jobs for executing specific programs containing rules for the identification erroneous and invalid lookups and data. To define and schedule a Job you can select from the navigation bar the option **Jobs → Create Job**

In the **Program Search** panel, the application will allow you to:

1. Enter the search criteria by using any combination of the field:
 - The program information: "**Name**".
 - The period of creation "**Start Date**" and "**End Date**", this latter refers to the creation date of the program (click this field and the application will open a calendar to help you select the date).
 - The user which created the program: "**Created By**" – drop-down list containing all the users present in the domain.

Note: The **Created By** field is automatically filled in with the current user logged in.

2. Click "**Search**". The system will populate the **Program List** panel with the matching records (all the programs will be listed if the search criteria are empty).

Program Search

Name Created By

Start Date

End Date

Search

Clear selection

no program selected

Program List

There are no programs matching the selected criteria.

Note: The EBB system on a user account should be preloaded with programs.

EBB Validation Job Search

You can search for existing Jobs in the system by selecting **Jobs** → **Search Job** and EBB will retrieve for you the Search Job Panel.

Search Job

Name Status

Start Date End Date

User

Search

Delete Selected Clear selection

no job selected

Job List

<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input type="checkbox"/>	JOB2	BDUser	SBS_ANNEX9_Si...	COMPLETED	22/08/2012 11:45:25	22/08/2012 11:46:08		
<input type="checkbox"/>	JOB1	BDUser	SBS_ANNEX9_Si...	COMPLETED	22/08/2012 11:44:38	22/08/2012 11:45:25		

Results/page page /1 Showing 1 - 2 of 2 results

In the **Search Job** panel, you may:

1. Enter the search criteria by using any combination of the fields”:



- The job information: **“Name”**.



- The user which created the job: **"User"** – drop-down list containing all the users present in the domain.
- The status of the job: **"Status"** – drop-down list with all possible values COMPLETED, FAILED, PENDING, COMPILING, RUNNING, SAVED and INTERRUPTED.
- Period of creation of the job: **"Start Time"** and **"End Time"** (click on the field and the application will display a calendar to help you select the dates).

Note: The **User** field is automatically filled in with the current user logged in.

2. Click **"Search"**. The system will populate the **Job List** panel with the matching records. All the jobs will be listed if the search criteria are empty.

The **Job List** panel is dynamic and you may:

Action Button	Description
 - View Results	View results of specific job already executed. The application will display the Job Details page to display the details of the job along with some useful functions such as View and Export input/output/error datasets and error view statistics.
 - Delete Job	Delete the job. The application will ask you whether you wish to delete the job together with the output and error datasets.











 - Copy Job	<p>Copy the job. The application will create a copy of the job definition together with the original parameters. The name of the new job will be the original name plus the next successive number of the copy. The description of the new job will be the original description plus the "Copy of" prefix. The name of the outputs will be automatically regenerated with different counters.</p>
 - Cancel Job	<p>Cancel the execution of a RUNNING job. The application will stop the execution of the job and will set its status to INTERRUPTED.</p>

Jobs - multiple selection and pagination

On the **Search Jobs** Page there is the option to perform **multiple selection** of the records by checking the check-box for each record (Job). A label with the total number of selected records is displayed.

Multiple Selection allows for selecting records from multiple pages and search results.

3 jobs selected

Job List							
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description Actions
<input type="checkbox"/>	AGGProgram_all_120731131745219	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:17:49	31/07/2012 13:17:52	 
<input type="checkbox"/>	MergeCountries_120730172350234	programmer	MergeCountries	COMPLETED	30/07/2012 17:23:55	30/07/2012 17:23:59	 
<input checked="" type="checkbox"/>	PdIAppend_120730171931500	programmer	PdIAppend_5	COMPLETED	30/07/2012 17:19:43	30/07/2012 17:19:53	 
<input checked="" type="checkbox"/>	Copy10_120730171803469	programmer	Copy10	COMPLETED	30/07/2012 17:18:09	30/07/2012 17:18:31	 
<input checked="" type="checkbox"/>	PdISort_120730171710514	programmer	PdISort	COMPLETED	30/07/2012 17:17:16	30/07/2012 17:17:17	 

Results/page page / 3

Showing 1 - 5 of 11 results

To De-Select all Records (Jobs) you have to use the **Clear Selection** button

The screenshot displays a web application interface for managing jobs. At the top, there is a 'Search Job' section with input fields for Name, Start Date, User, Status, and End Date, and a 'Search' button. Below this, there are two buttons: 'Delete Selected' (with a red 'X' icon) and 'Clear selection' (with a square icon). A confirmation dialog box is overlaid on the interface, asking 'Are you sure you want to clear the selected jobs list?' with 'Cancel' and 'Ok' buttons. Below the dialog, it says '3 jobs selected'. The main part of the interface is a 'Job List' table with columns: Job Name, User Name, Program Name, Status, Execution Start, Execution Finish, Description, and Actions. The table contains five rows of job data. At the bottom, there is a pagination control showing 'Results/page 5', 'page 1 / 3', and 'Showing 1 - 5 of 11 results'.

Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input type="checkbox"/> AGGProgram_all_120731131745219	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:17:49	31/07/2012 13:17:52		
<input type="checkbox"/> MergeCountries_120730172350234	programmer	MergeCountries	COMPLETED	30/07/2012 17:23:55	30/07/2012 17:23:59		
<input checked="" type="checkbox"/> PdlAppend_120730171931500	programmer	PdlAppend_5	COMPLETED	30/07/2012 17:19:43	30/07/2012 17:19:53		
<input checked="" type="checkbox"/> Copy10_120730171803469	programmer	Copy10	COMPLETED	30/07/2012 17:18:09	30/07/2012 17:18:31		
<input checked="" type="checkbox"/> PdlSort_120730171710514	programmer	PdlSort	COMPLETED	30/07/2012 17:17:16	30/07/2012 17:17:17		

After you click **Ok** all records will be de-selected

You have the option to delete the selected records by using **Delete Selected** button.

Delete Selected Clear selection

3 jobs selected

Job List								
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input type="checkbox"/>	AGGProgram_all_120731131745219	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:17:49	31/07/2012 13:17:52		
<input type="checkbox"/>	MergeCountries_120730172350234	programmer	MergeCountries	COMPLETED	30/07/2012 17:23:55	30/07/2012 17:23:59		
<input checked="" type="checkbox"/>	PdlAppend_120730171931500	programmer	PdlAppend_5	COMPLETED	30/07/2012 17:19:43	30/07/2012 17:19:53		
<input checked="" type="checkbox"/>	Copy10_120730171803469	programmer	Copy10	COMPLETED	30/07/2012 17:18:09	30/07/2012 17:18:31		
<input checked="" type="checkbox"/>	PdlSort_120730171710514	programmer	PdlSort	COMPLETED	30/07/2012 17:17:16	30/07/2012 17:17:17		

Results/page page /3 Showing 1 - 5 of 11 results

Search Job

Name Status

Start Date End Date

User

Delete Selected Clear selection

3 jobs selected

Are you sure you want to do delete selected jobs?

Do you want to also delete the error / output datasets?

Job List								
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input type="checkbox"/>	AGGProgram_all_120731131745219	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:17:49	31/07/2012 13:17:52		
<input type="checkbox"/>	MergeCountries_120730172350234	programmer	MergeCountries	COMPLETED	30/07/2012 17:23:55	30/07/2012 17:23:59		
<input checked="" type="checkbox"/>	PdlAppend_120730171931500	programmer	PdlAppend_5	COMPLETED	30/07/2012 17:19:43	30/07/2012 17:19:53		
<input checked="" type="checkbox"/>	Copy10_120730171803469	programmer	Copy10	COMPLETED	30/07/2012 17:18:09	30/07/2012 17:18:31		
<input checked="" type="checkbox"/>	PdlSort_120730171710514	programmer	PdlSort	COMPLETED	30/07/2012 17:17:16	30/07/2012 17:17:17		

Results/page page /3 Showing 1 - 5 of 11 results

Click **Ok** button to confirm the deletion

✔ The selected jobs were deleted !

✘ Delete Selected Clear selection

no job selected

Job List							
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description Actions
<input type="checkbox"/>	AGGProgram_all_120731131745219	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:17:49	31/07/2012 13:17:52	
<input type="checkbox"/>	MergeCountries_120730172350234	programmer	MergeCountries	COMPLETED	30/07/2012 17:23:55	30/07/2012 17:23:59	
<input type="checkbox"/>	PdlSort_120730171655872	programmer	PdlSort	COMPLETED	30/07/2012 17:16:59	30/07/2012 17:17:15	
<input type="checkbox"/>	PdlReorder_120730171643684	programmer	PdlReorder	COMPLETED	30/07/2012 17:16:47	30/07/2012 17:16:49	
<input type="checkbox"/>	PdlAppend_120730171603151	programmer	PdlAppend_5	COMPLETED	30/07/2012 17:16:14	30/07/2012 17:16:21	

Results/page page /2 1 2 ➡ Showing 1 - 5 of 8 results

Display Selected Records – select multiple records from different pages, the label with the total number of selected records is displayed – click on that label

4 jobs selected View selected records

Job List							
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description Actions
<input checked="" type="checkbox"/>	AGGProgram_all_120731131745219	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:17:49	31/07/2012 13:17:52	
<input checked="" type="checkbox"/>	MergeCountries_120730172350234	programmer	MergeCountries	COMPLETED	30/07/2012 17:23:55	30/07/2012 17:23:59	
<input type="checkbox"/>	PdlSort_120730171655872	programmer	PdlSort	COMPLETED	30/07/2012 17:16:59	30/07/2012 17:17:15	
<input type="checkbox"/>	PdlReorder_120730171643684	programmer	PdlReorder	COMPLETED	30/07/2012 17:16:47	30/07/2012 17:16:49	
<input type="checkbox"/>	PdlAppend_120730171603151	programmer	PdlAppend_5	COMPLETED	30/07/2012 17:16:14	30/07/2012 17:16:21	

Results/page page /2 1 2 ➡ Showing 1 - 5 of 8 results

The System displays the selected records as the search results.

4 jobs selected

Job List								
<input checked="" type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input checked="" type="checkbox"/>	AGGProgram_all_120731131745219	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:17:49	31/07/2012 13:17:52		
<input checked="" type="checkbox"/>	MergeCountries_120730172350234	programmer	MergeCountries	COMPLETED	30/07/2012 17:23:55	30/07/2012 17:23:59		
<input checked="" type="checkbox"/>	AGGProgram2_120730171047429	programmer	AGGProgram2	COMPLETED	30/07/2012 17:10:49	30/07/2012 17:10:52		
<input checked="" type="checkbox"/>	AGGProgram1_120730171035382	programmer	AGGProgram1	COMPLETED	30/07/2012 17:10:37	30/07/2012 17:10:40		

Results/page page /1 Showing 1 - 4 of 4 results

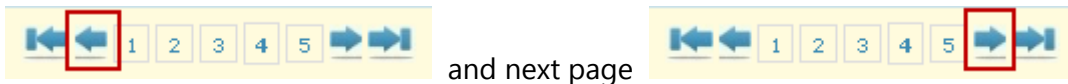
Navigation options on the Search Jobs page:

The System displays the results of the search split across multiple pages.

Job List								
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input type="checkbox"/>	AGGProgram1_120731134321971	programmer	AGGProgram1	COMPLETED	31/07/2012 13:43:25	31/07/2012 13:43:26		
<input type="checkbox"/>	PdISort_120731134311752	programmer	PdISort	COMPLETED	31/07/2012 13:43:16	31/07/2012 13:43:18		
<input type="checkbox"/>	PdIReorder_120731134201113	programmer	PdIReorder	COMPLETED	31/07/2012 13:42:06	31/07/2012 13:42:07		
<input type="checkbox"/>	AGGProgram_all_12073113415298	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:41:55	31/07/2012 13:41:57		
<input type="checkbox"/>	AGGProgram1_120731134145223	programmer	AGGProgram1	COMPLETED	31/07/2012 13:41:48	31/07/2012 13:41:49		

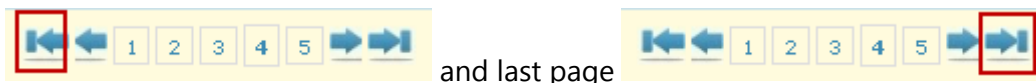
Results/page page /5 Showing 6 - 10 of 22 results

The System presents the option to navigate to the previous page



and next page

The System presents the option to navigate to the first page



and last page

The System presents the option to navigate to a specific page number.

Job List								
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input type="checkbox"/>	AGGProgram1_120731134321971	programmer	AGGProgram1	COMPLETED	31/07/2012 13:43:25	31/07/2012 13:43:26		
<input type="checkbox"/>	PdlSort_120731134311752	programmer	PdlSort	COMPLETED	31/07/2012 13:43:16	31/07/2012 13:43:18		
<input type="checkbox"/>	PdlReorder_120731134201113	programmer	PdlReorder	COMPLETED	31/07/2012 13:42:06	31/07/2012 13:42:07		
<input type="checkbox"/>	AGGProgram_all_12073113415298	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:41:55	31/07/2012 13:41:57		
<input type="checkbox"/>	AGGProgram1_120731134145223	programmer	AGGProgram1	COMPLETED	31/07/2012 13:41:48	31/07/2012 13:41:49		

Results/page page /5 Showing 6 - 10 of 22 results

Write a valid page number and click on "Enter" key

The System displays the option to change the number of elements displayed on each page.

Job List								
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input type="checkbox"/>	MergeCountries_120730172350234	programmer	MergeCountries	COMPLETED	30/07/2012 17:23:55	30/07/2012 17:23:59		
<input type="checkbox"/>	PdlSort_120730171655872	programmer	PdlSort	COMPLETED	30/07/2012 17:16:59	30/07/2012 17:17:15		
<input type="checkbox"/>	PdlReorder_120730171643684	programmer	PdlReorder	COMPLETED	30/07/2012 17:16:47	30/07/2012 17:16:49		
<input type="checkbox"/>	PdlAppend_120730171603151	programmer	PdlAppend_5	COMPLETED	30/07/2012 17:16:14	30/07/2012 17:16:21		
<input type="checkbox"/>	AGGProgram_all_120730171411740	programmer	AGGProgram_all	COMPLETED	30/07/2012 17:14:14	30/07/2012 17:14:15		

Results/page page /5 Showing 16 - 20 of 22 results

Job List								
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input type="checkbox"/>	PdIAppend_120731134524500	programmer	PdIAppend_5	COMPLETED	31/07/2012 13:45:29	31/07/2012 13:45:36		
<input type="checkbox"/>	PdISort_120731134516688	programmer	PdISort	COMPLETED	31/07/2012 13:45:19	31/07/2012 13:45:20		
<input type="checkbox"/>	AGGProgram_all_120731134433438	programmer	AGGProgram_all	FAILED	31/07/2012 13:44:40	31/07/2012 13:44:40		
<input type="checkbox"/>	PdIReorder_120731134421907	programmer	PdIReorder	COMPLETED	31/07/2012 13:44:26	31/07/2012 13:44:27		
<input type="checkbox"/>	AGGProgram_all_120731134331361	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:43:34	31/07/2012 13:43:36		
<input type="checkbox"/>	AGGProgram1_120731134321971	programmer	AGGProgram1	COMPLETED	31/07/2012 13:43:25	31/07/2012 13:43:26		
<input type="checkbox"/>	PdISort_120731134311752	programmer	PdISort	COMPLETED	31/07/2012 13:43:16	31/07/2012 13:43:18		
<input type="checkbox"/>	PdIReorder_120731134201113	programmer	PdIReorder	COMPLETED	31/07/2012 13:42:06	31/07/2012 13:42:07		
<input type="checkbox"/>	AGGProgram_all_12073113415298	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:41:55	31/07/2012 13:41:57		
<input type="checkbox"/>	AGGProgram1_120731134145223	programmer	AGGProgram1	COMPLETED	31/07/2012 13:41:48	31/07/2012 13:41:49		
<input type="checkbox"/>	AGGProgram_all_12073113413667	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:41:40	31/07/2012 13:41:42		
<input type="checkbox"/>	AGGProgram_all_120731134131129	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:41:33	31/07/2012 13:41:35		
<input type="checkbox"/>	AGGProgram_all_120731134126754	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:41:28	31/07/2012 13:41:30		
<input type="checkbox"/>	AGGProgram_all_120731134016365	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:40:20	31/07/2012 13:40:22		
<input type="checkbox"/>	AGGProgram_all_120731131745219	programmer	AGGProgram_all	COMPLETED	31/07/2012 13:17:49	31/07/2012 13:17:52		

Results/page page /2 Showing 1 - 15 of 22 results

The number of records can be seen on the **Showing results** message.

Job List								
<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
<input type="checkbox"/>	MergeCountries_120730172350234	programmer	MergeCountries	COMPLETED	30/07/2012 17:23:55	30/07/2012 17:23:59		
<input type="checkbox"/>	PdISort_120730171655872	programmer	PdISort	COMPLETED	30/07/2012 17:16:59	30/07/2012 17:17:15		
<input type="checkbox"/>	PdIReorder_120730171643684	programmer	PdIReorder	COMPLETED	30/07/2012 17:16:47	30/07/2012 17:16:49		
<input type="checkbox"/>	PdIAppend_120730171603151	programmer	PdIAppend_5	COMPLETED	30/07/2012 17:16:14	30/07/2012 17:16:21		
<input type="checkbox"/>	AGGProgram_all_120730171411740	programmer	AGGProgram_all	COMPLETED	30/07/2012 17:14:14	30/07/2012 17:14:15		

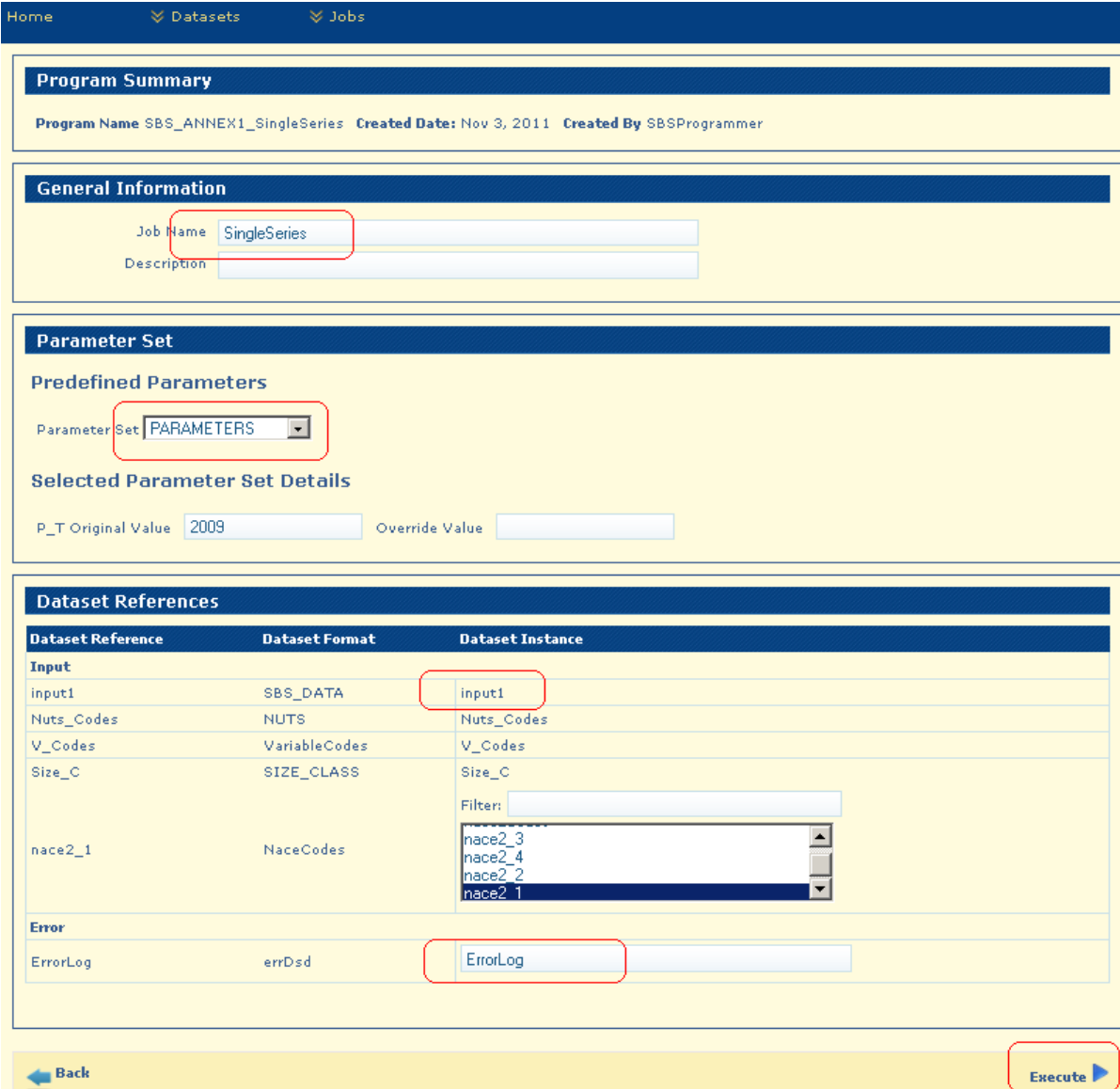
Results/page page /5 Showing 16 - 20 of 22 results

EBB Program Job Execution

Considering you have navigated at the Job Creation panel (details on previous section) click

on button Create Job .

The "Create Job" action will open the Job page that will allow you to enter the validation program parameters for the rules to be run to the dataset.



Home ▾ Datasets ▾ Jobs

Program Summary

Program Name SBS_ANNEX1_SingleSeries Created Date: Nov 3, 2011 Created By SBSProgrammer

General Information

Job Name

Description

Parameter Set

Predefined Parameters

Parameter Set

Selected Parameter Set Details

P_T Original Value Override Value

Dataset References

Dataset Reference	Dataset Format	Dataset Instance
Input		
input1	SBS_DATA	<input type="text" value="input1"/>
Nuts_Codes	NUTS	Nuts_Codes
V_Codes	VariableCodes	V_Codes
Size_C	SIZE_CLASS	Size_C
		Filter: <input type="text"/>
nace2_1	NaceCodes	<input type="text" value="nace2_3"/> <input type="text" value="nace2_4"/> <input type="text" value="nace2_2"/> <input type="text" value="nace2_1"/>
Error		
ErrorLog	errDsd	<input type="text" value="ErrorLog"/>

[Back](#) [Execute](#)

Fields	Description	Mandatory/Optional
Job Name	Name of the program. Unique value in the	Mandatory


	application, default value can be changed.	
Description	Short description of the program.	Optional
Parameter Set	Preconfigured parameter set defined in the program	Mandatory
Parameter Set Details	Default value from the selected Parameter Set defined in the program.	Mandatory
Override Value	Fields that can replace values from parameter set fields	Optional
inputDatasets	Name of the dataset to be used as input for the validation program. The datasets are set by default, and are defined in the program, and are not be changed by the users . (They can vary from program to program)	Mandatory
errDsd	Output dataset set by default. Unique value in the application, default value can be changed. This dataset will contain the error report.	Mandatory

In order to define and execute the Job you have to follow the specific steps:

1. In the **General Information** panel, enter the **"Name"** and **"Description"** of the job.
2. In the **Parameter Set** panel, enter the parameters required by the program.
3. In the **Dataset References** panel, select the input datasets for each input dataset required by the program (the application will provides the list(s) with the available datasets accordingly to the format specified by the program).
4. In the **Dataset References** panel, enter the name of the output error datasets required by the program (the application generates a default name that you can overwrite).
5. Click the **"Execute"** button. The application will create and launch the job. The application will redirect you to the **Search Job** page where you can monitor the progress of the scheduled job.
6. The Job will be in PENDING then RUNNING status
7. The Job will pass in FAILED if there are errors during the execution or COMPLETED when the job finished successfully.

Job List							
Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
hMergeRuleMultiple1_1209111402...	user	hMergeRuleMultiple	RUNNING	09/12/2011 02:03:02			
h1_120911135839	user	h1	COMPLETED	09/12/2011 01:58:42	09/12/2011 01:58:52		

View Validation Job Results

In the **Job List** page, locate the job you wish to visualize, click on the View Results  button and you will access the specific **Job Details** page for checking all the errors discovered during the Job execution.

Job Details

Name	<input type="text" value="h1_120911135839"/>	Status	<input type="text" value="COMPLETED"/>
Program	<input type="text" value="h1"/>	Exceptions	<input type="text" value="7"/>
Started	<input type="text" value="Fri Dec 09 13:58:42 EET"/>	Finished	<input type="text" value="Fri Dec 09 13:58:52 EET"/>
Description	<div style="border: 1px solid #ccc; height: 50px;"></div>		

Errors Log

Error Reports

Dataset Name	Used in step	Rows	Actions
err_120911135839	step	11	





Input Datasets

Dataset Name	Used in step	Rows	Actions
CONTINENT1	hMer	6	
dataset3	hMer	10	
dataset4	hMer	13	
output6_120911135839	step	29	

Output Datasets

Dataset Name	Used in step	Rows	Actions
output6_120911135839	hMer	29	

[Back](#)

Action Button	Description
 - View dataset	View the dataset (error, input, output, valid data or invalid data). The system will open the Dataset Details page where the content of the dataset is displayed.
 - Export	Export the dataset (error, input, output, valid data or invalid data) you wish to export. The system will create the export task and will redirect you to the Imports/Exports page where you can monitor the progress of the task.
 -View Statistics	Visualize the error statistics. The system will redirect you to the Job Statistics page where it displays the job statistics details.
 - View Detailed Statistics Report	Generates a Statistics Report in .csv format.

View Job Error Statistics

The Error Statistics page will allow you to see which rules failed during the program execution and the summary of the number of failures for each failed rule.

The error statistics are displayed in a table format and it consists of the following columns:

- **RULE NAME:** The name of the program rule that failed.
- **No of Failures** Individual rows that the error appeared through job execution.
- **Rule Message:** Rule's error message as defined in the program

Example:

In this case, on the Rule Name column the rules that failed at job execution.

For lookupCountry rule there are 23160 rows from the input dataset where the error appeared.


For R21 rule, there are two rows from the input dataset where the error appeared. Following, there are the rest of the rules from the program where errors appeared.

On the Rule Message column, the error message is mentioned as it is defined in the program: "Error: Invalid country code". The next one for R21 rule: "Error: 16920 <= 16910". Following, there are the rest of the error messages that are defined in the program, each corresponding to a rule.

The screenshot shows the Eurostat 'Job Statistics' page. At the top, there is a navigation bar with 'Home', 'Datasets', and 'Jobs' menus. The main content area contains a table with the following data:


Rule Name	No of Failures	Rule Message
lookupCountry	23160	Error : Invalid country code
R21	2	Error : 16920 <= 16910
R22	99	Warning : 11910 <= 16910
R23	108	Warning : 11920 <= 16920
R24	94	Warning : 11930 <= 16930
R25	20	Warning : 11941 <= 16941
R26	8	Warning : 11942 <= 16942
R27	6	Warning : 11943 <= 16943
R28	7	Warning : 11944 <= 16944
R30	106	Warning : 11941 <= 16951
R31	95	Warning : 11942 <= 16952
R32	82	Warning : 11943 <= 16953
R33	48	Warning : 11944 <= 16954

At the bottom of the table, there are 'Back' and 'Export' buttons.

Action Button	Description
 - Export	Export the dataset error statistics. The statistic error dataset will be saved locally.

View Job Error Reports

Programs can also generate datasets by running validations or dataset operations. A program that contains a validation will produce a *Standard Error Dataset(s)*, which contains the errors found during the execution of the program.

To retrieve the specific errors of the job run you can click on View dataset  at the Error Reports section. You will then be redirected to the dataset content with the detailed errors information.

The error reports are displayed in a table format and it consists of the following columns:






- **ROW_NUMBER:** The number of the row in the error log dataset
- **MESSAGE:** Rule's error message as defined in the program
- **SEVERITY:** Severity message (e.g. Error, Warning) as defined in the program
- **BLOCK INDEX:** Index of the block in which the error occurs
- **EXP_INDEX:** Index of the expression
- **EXP_ID:** Index of the expression in the block
- **EXP_NAME:** Name of rule for which the error is received
- **PARTITION:** Values of the partition
- **AUXILIARY_DATA:** Values fields used in the expression that failed
- **DSI_ID:** Unique ID of the dataset
- **ACTIONS:** "View details" button.

Example:


The Row Numbers are assigned automatically when creating the error dataset.

For the first row:

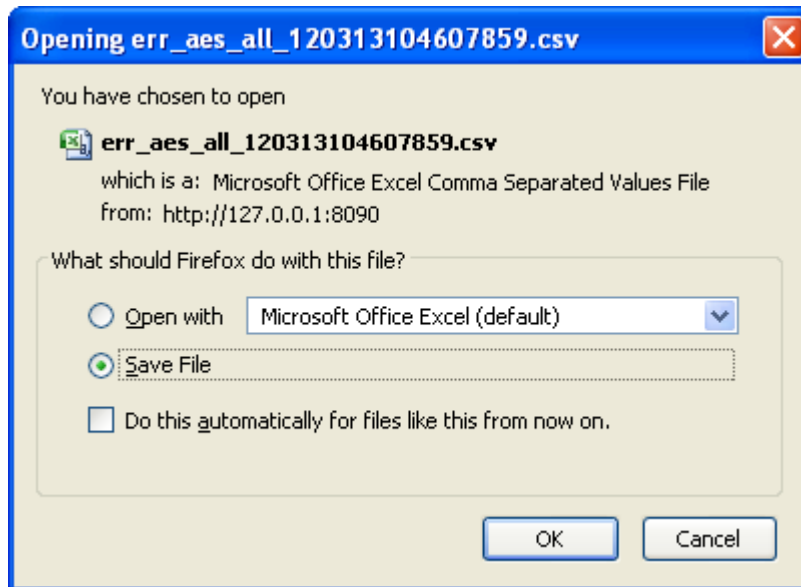
The error message defined in the program is "Invalid country code", the severity is "Error", the name of the rule is "convertNumericValues". The partition on which it occurs is "ROW_NUMBER = 1", this is a line from the input dataset as this is a horizontal rule. The auxiliary data is "TER_UNIT=xx" defined in the program.

Dataset Content										
ROW_NUMBER	MESSAGE	SEVERITY	BLOCK_INDEX	EXP_INDEX	EXP_ID	EXP_NAME	PARTITION	AUXILIARY_DATA	DSI_ID	Actions
1	Invalid country code	Error	0	0	962	convertNumericValue	ROW_NUMBER=1	TER_UNIT=xx	104	
2	Invalid country code	Error	0	0	962	convertNumericValue	ROW_NUMBER=2	TER_UNIT=xx	104	
3	Invalid country code	Error	0	0	962	convertNumericValue	ROW_NUMBER=3	TER_UNIT=xx	104	
4	Invalid country code	Error	0	0	962	convertNumericValue	ROW_NUMBER=4	TER_UNIT=xx	104	
5	Invalid country code	Error	0	0	962	convertNumericValue	ROW_NUMBER=5	TER_UNIT=xx	104	

View Detailed Statistics Report

Click on  - View Detailed Statistics Report on the Error Reports section.

A dialog window will be provided with the error report to be downloaded or saved in *.csv format:



The report contains information from the previous chapter - View Error Reports with the following fields order:

- EXP_NAME
- MESSAGE
- SEVERITY
- AUXILIARY_DATA

Example:

ROW_ID	ROW_NUMBER	COUNTRY
1		1 IT
2		2 FR
3		3 RO
4		4 RO
5		5 RO

=====**END REPORT**=====

Chapter 5:

Programmer functionalities

In this section you will gain knowledge for:

- ✓ EBB Programmer main functionalities and capabilities
- ✓ EBB Programmer Menu
- ✓ Programmer Workflow

Programmer role

Main functionalities:

Metadata Definition

- Define the structure of the formats to be used by the EBB programs
- Program Definition
- Define the steps and rules of the EBB programs

Data Import/Export

- Import Auxiliary Metadata needed by the EBB programs

Job Execution

- Execute an EBB program

Programmer Menus

The navigation bar (at the top of the screen) is the same on every screen for programmer account. It contains links which give quick access to programmer specific functionalities .



Menu	Short description
<p>Home</p>	<p>Click on "Home" menu to access the "Home Page".</p> <p>Contains a link to the "Change Password" functionality.</p>
<p> ∨ Datasets Search Datasets Import Datasets Import Datasets DB Imports / Exports </p>	<p>Click on "Datasets" menu that has options:</p> <p>"Search Datasets" – list of imported datasets with options to delete or view details o the dataset. By default the list is empty.</p> <p>"Import Datasets" – file import of a dataset with options to set File Properties, File Fields and Dataset name.</p> <p>"Import Datasets DB" – file import of a dataset from an external database</p> <p>"Import/Exports" – the list of imported or exported datasets (option to view the file imported or exported, delete the task, status of the task)</p>
<p> ∨ Programs Search Program Add Program Import Program Import Program w/ Dependencies </p>	<p>Click on "Programs" menu:</p> <p>"Search Program" – page with the option to view the list of programs (imported or added using the interface). Options on the page : view program, delete program, edit program, create job, export). By default the list of programs is empty.</p> <p>"Add Program" – a toolbox with multiple options to create a program using a tree structure</p> <p>"Import Program" – option to import a .pdl file from the local machine.</p> <p>"Import Program w/ Dependencies" – option to import a .pdl file with dependencies (formats , datasets, lookups) from the local machine.</p>
<p> ∨ Jobs Search Jobs Create Job </p>	<p>Click on "Jobs" menu:</p> <p>"Search Jobs" – list of the executed jobs with status and options :delete job, view results, copy job. By default the list of jobs is empty</p> <p>"Create a Job" – is the page of program list (page Search Program)</p>

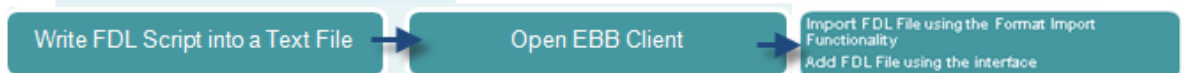
<ul style="list-style-type: none"> ∨ Formats Search Formats Add Format Import Format 	<p>Click on "Formats" menu:</p> <p>"Search Formats" – list of the imported dataset format with options :delete format, view format, export format. By default the list of formats is empty.</p> <p>"Add Formats" – this functionality allows the programmer to edit Formats or to Add Formats using the interface.</p> <p>"Import Format" – option to import a .fdl or .csv file from the local machine.</p>
<ul style="list-style-type: none"> ∨ Templates Connection Templates Search Add Connection Template Selection Templates Search Add Selection Template Insertion Templates Search Add Insertion Template 	<p>Click the "Templates" menu:</p> <p>"Connection Templates Search" – list of the connection templates with option to delete or edit each "Connection Template" that was saved</p> <p>"Add Connection Template" – this functionality allows the programmer to save a "Connection Template"</p> <p>"Selection Templates Search" – list of the selection templates with option to delete or edit each "Selection Template" that was saved</p> <p>"Add Selection Template" – this functionality allows the programmer to save a "Selection Template"</p> <p>"Insertion Templates Search" – list of the insertion templates with option to delete or edit each "Insertion Template" that was saved</p> <p>"Add Insertion Template" – this functionality allows the programmer to save an "Insertion Template"</p>

Programmer Workflows

Programming Module Workflows



Programming Module - Format Definition



Programming Module - Program Definition



The programmer EBB workflow of the system is more complex for the users. Using a programmer account gives you the rights to the following user functionalities:

- Format management (add, import, edit format)
- Program management (add, import, edit program)
- Templates management

Chapter 6:

Formats Management

In this section you will gain knowledge for:

- ✓ Search Format
- ✓ Import Format
- ✓ Add Format
- ✓ Edit Format

Note: In this Chapter only functionalities that apply to the **programmer role are described.**

Format Menu

A format defines the structure of a dataset which in turn is similar to a table in a relational database.



A dataset format is defined in a text file with extension .fdl.

On Format Menu click on **"Search Formats"** page

In order to import programs there is necessary to have two standard dataset formats:

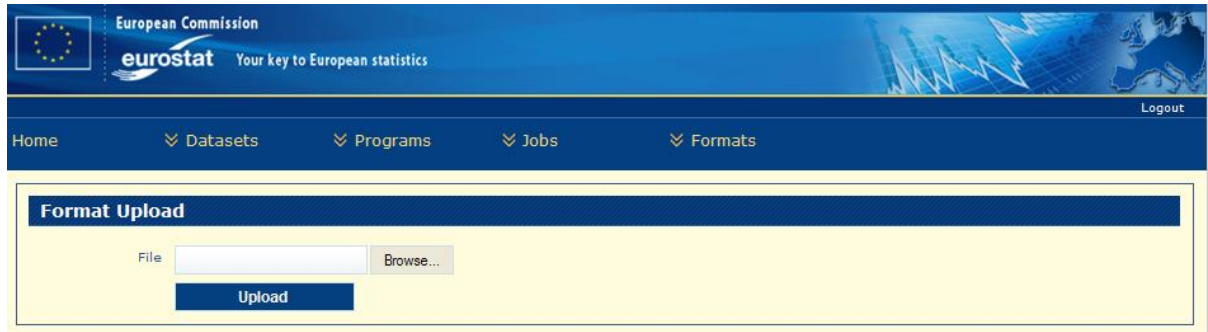
- errDsd.fdl
- statistic.fdl

By default the application has those Formats:

errDsd	error dataset definition	root	Tue Dec 20 15:29:13 EET 2011	
statisticDsd	statisticFormat	root	Tue Dec 20 15:29:13 EET 2011	

Import a Format

At the Format Menu click on **"Import Format"** page



European Commission
eurostat Your key to European statistics

Home Datasets Programs Jobs Formats Logout

Format Upload

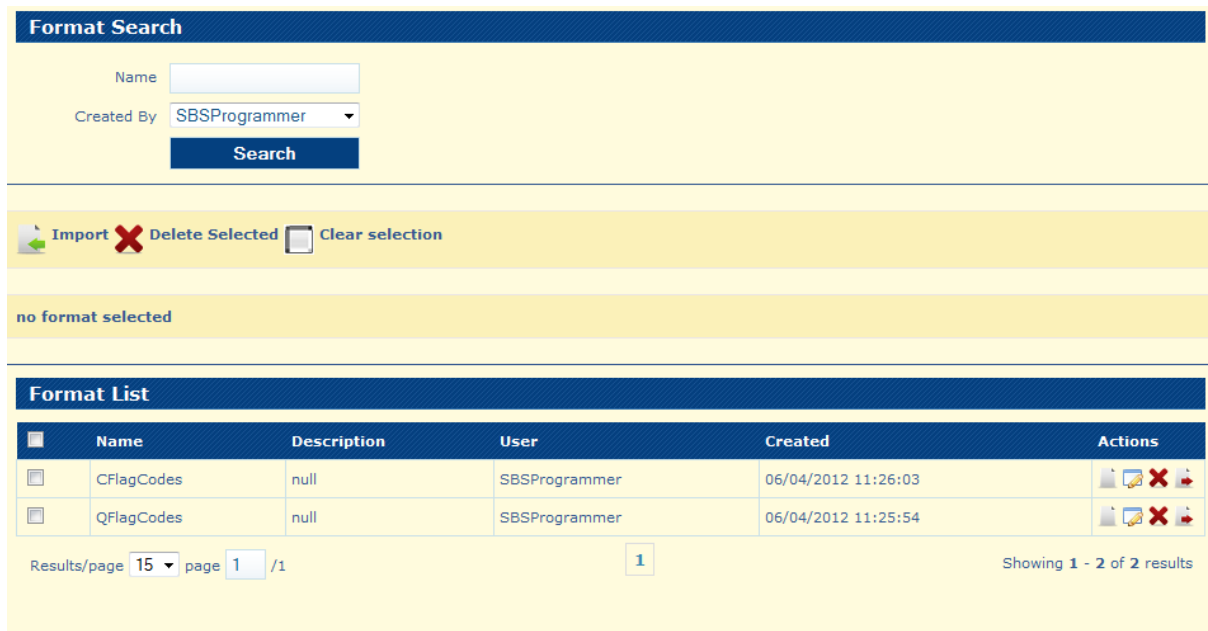
File Browse...
Upload

On the "Metadata" folder there are Format files that can be imported:

- **country.fdl**
- **countryISO.fdl**

Steps to upload a file format:

1. Choose a file
2. Click on Upload



Format Search

Name
Created By SBSProgrammer
Search

Import Delete Selected Clear selection

no format selected


Format List

	Name	Description	User	Created	Actions
<input type="checkbox"/>	CFlagCodes	null	SBSProgrammer	06/04/2012 11:26:03	
<input type="checkbox"/>	QFlagCodes	null	SBSProgrammer	06/04/2012 11:25:54	

Results/page 15 page 1 /1 Showing 1 - 2 of 2 results




Details of a Format

Go to **Formats** -> **Search Formats**

On the page with dataset formats click on  -view details

































Format Search

Name
Created By
Search

   Clear selection

no format selected


Format List

<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	errDsd	error dataset definition	programmer	21/08/2012 16:53:26	   
<input type="checkbox"/>	hCityDsd		programmer	21/08/2012 16:53:07	   
<input type="checkbox"/>	hContinentDsd		programmer	21/08/2012 16:53:02	   
<input type="checkbox"/>	hCountryDsd		programmer	21/08/2012 16:53:13	   
<input type="checkbox"/>	hGroupDsd		programmer	21/08/2012 13:25:08	   
<input type="checkbox"/>	hMerge1		programmer	21/08/2012 16:53:26	   
<input type="checkbox"/>	hSubGroupDsd		programmer	21/08/2012 16:53:18	   
<input type="checkbox"/>	statisticDsd	statisticFormat	programmer	21/08/2012 16:53:26	   

Results/page 15 page 1 /1 Showing 1 - 8 of 8 results

Format Profile

Name hCityDsd
Description

Export 

Fields

Order	Name	Caption	Default Value	Mandatory	Data Type	Length	Scale	Description
1	ROW_NUMBER	ROW_NUMBER		false	NUMBER	10	0	
2	CITY	CITY		true	STRING	10	0	CITY
3	COUNTRYNAME	COUNTRYNAME		true	STRING	20	0	COUNTRYNAME
4	NAME	NAME		true	STRING	20	0	NAME
5	VALUE	VALUE		true	DOUBLE	10	2	VALUE

Results/page 15 page 1 /1 Showing 1 - 5 of 5 result

The columns in the above screenshot represent the attributes of the fields that compose the format whereas the rows represent the actual field definitions. The attributes of the fields are:

- **Order**: the position of the field within the record.

- **Name:** the physical name of the field.
- **Caption:** the label to which the field relates.
- **Default Value:** the default value if the value is missing when importing the dataset.
- **Mandatory:** yes indicates the value is required otherwise the record can be imputed.
- **Length:** the size of the field.
- **Description:** the detailed description of the field.
- **Data Type:** STRING, NUMBER, DOUBLE, BOOLEAN.
- **Precision:** the number of decimal after the decimal.

The ROW_NUMBER field definition is automatically generated by the system and it is reserved for identifying the physical position of the records within the dataset.



Search Format

Go to **Formats** -> **Search Formats**

- The format information: **"Name"**
- The user which created the format: **"Created By"** – drop-down list containing all the users present in the domain.

Click on **"Search"** button

Format Search

Name

Created By

no format selected

Format List

<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	CFlagCodes	null	SBSPProgrammer	06/04/2012 11:26:03	<input type="button" value="Print"/> <input checked="" type="button" value="Delete"/> <input type="button" value="Refresh"/>

Results/page page /1 Showing 1 - 1 of 1 results


Add Format

Go to **Formats** -> **Add Format**

Format Profile




Name

Description

 Add field

Fields

Name	Caption	Default Value	Mandatory	Data Type	Length	Scale	Description
ROW_NUMBER	ROW_NUMBER		false	NUMBER	10	0	

Cancel  Save  Save As 


Example of a format added from the interface:

1. Set Name = Format1
2. Set Description = descr format 1
3. Click on **"Add Field"** button

Format Profile




Name

Description

 Add field

Fields

Name	Caption	Default Value	Mandatory	Data Type	Length	Scale	Description
ROW_NUMBER	ROW_NUMBER		false	NUMBER	10	0	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	STRING	<input type="text"/>	<input type="text"/>	<input type="text"/>

Cancel  Save  Save As 

4. Set the following fields :
 - Name = Field1
 - Caption = Field1
 - Default Value = empty
 - Mandatory = true
 - Data Type = string
 - Length = 10

- Scale = 0
- Description = addedField1

Fields									
Name	Caption	Default Value	Mandatory	Data Type	Length	Scale	Description		
ROW_NUMBER	ROW_NUMBER		false	NUMBER	10	0			
Field1	Field1		<input type="checkbox"/>	STRING	10		addedField1		

5. Click again on "Add Field" button and set new fields:

Format Profile

Name:

Description:

Add field

Fields									
Name	Caption	Default Value	Mandatory	Data Type	Length	Scale	Description		
ROW_NUMBER	ROW_NUMBER		false	NUMBER	10	0			
Field1	Field1		<input type="checkbox"/>	STRING	10		addedField1		
Field2	Field2		<input type="checkbox"/>	NUMBER	20		addedField2		
Field3	Field3		<input type="checkbox"/>	DOUBLE	10	2	addedField3		
Field4	Field4		<input type="checkbox"/>	BOOLEAN			addedField4		

Cancel

Save Save As













6. Click on "Save" button and save thr new format

✓ The format was saved succesfully.

Format List					
Name	Description	User	Created	Actions	
countryDsd	country dataset definition	root	Tue Dec 20 15:32:38 EET 2011		
errDsd	error dataset definition	root	Tue Dec 20 15:29:13 EET 2011		
Format1	descr fromat 1	programmer	Tue Dec 20 18:42:16 EET 2011		
statisticDsd	statisticFormat	root	Tue Dec 20 15:29:13 EET 2011		

Edit Format

1. To edit a format click again on icon – Edit


Format List				
Name	Description	User	Created	Actions
countryDsd	country dataset definition	root	Tue Dec 20 15:32:38 EET 2011	  
errDsd	error dataset definition	root	Tue Dec 20 15:29:13 EET 2011	  
Format1	descr fromat 1	programmer	Tue Dec 20 18:42:16 EET 2011	  
statisticDsd	statisticFormat	root	Tue Dec 20 15:29:13 EET 2011	  

Note: Only the formats that don't have a datasets associated can't be edited.





Format Profile




Name:

Description:

 Add field

Fields

Name	Caption	Default Value	Mandatory	Data Type	Length	Scale	Description	
ROW_NUMBER	ROW_NUMBER		false	NUMBER	10	0		
FIELD1	Field1		false	STRING	10	0	addedField1	
FIELD2	Field2		false	NUMBER	20	0	addedField2	
FIELD3	Field3		false	DOUBLE	10	2	addedField3	
FIELD4	Field4		false	BOOLEAN	1	0	addedField4	

Cancel  Save  Save As 

2. Choose some fields to be edited :

Format Profile

Name

Description

Add field

Fields

Name	Caption	Default Value	Mandatory	Data Type	Length	Scale	Description	
ROW_NUMBER	ROW_NUMBER		false	NUMBER	10	0		
FIELD1_edit	Field1_edit		false	STRING	10	0	edit_Field1	✘
FIELD2	Field2		false	NUMBER	20	0	addedField2	✘
FIELD3	Field3		false	DOUBLE	10	2	addedField3	✘
FIELD4	Field4		false	BOOLEAN	1	0	addedField4	✘

Cancel

3. Click on **"Save"** button

✔ The format was saved succesfully.

Format List

Name	Description	User	Created	Actions
countryDsd	country dataset definition	root	Wed Dec 21 12:26:40 EET 2011	
errDsd	error dataset definition	root	Wed Dec 21 12:18:18 EET 2011	
Format1_edit	descr fromat 1 edit	programmer	Wed Dec 21 15:07:18 EET 2011	
statisticDsd	statisticFormat	root	Wed Dec 21 12:18:18 EET 2011	

4. To save a new format click again on icon – Edit and change the name of the format, then click on **"Save As"** button

Format Profile

Name:



Description:

 Add field

Fields














Name	Caption	Default Value	Mandatory	Data Type	Length	Scale	Description	
ROW_NUMBER	ROW_NUMBER		false	NUMBER	10	0		
FIELD1_EDIT	Field1_edit		false	STRING	10	0	edit_Field1	✘
FIELD2	Field2		false	NUMBER	20	0	addedField2	✘
FIELD3	Field3		false	DOUBLE	10	2	addedField3	✘
FIELD4	Field4		false	BOOLEAN	1	0	addedField4	✘
<input type="text" value="NEWfield"/>	<input type="text" value="NEWfield"/>	<input type="text"/>	<input type="checkbox"/>	STRING	<input type="text" value="20"/>	<input type="text"/>	NEWfield_add	✘

Cancel ✘

Save  Save As 

✔ The format was saved succesfully.

Format List

Name	Description	User	Created	Actions
countryDsd	country dataset definition	root	Wed Dec 21 12:26:40 EET 2011	  
errDsd	error dataset definition	root	Wed Dec 21 12:18:18 EET 2011	  
Format1_edit	descr fromat 1 edit	programmer	Wed Dec 21 15:07:18 EET 2011	  
Format2_add	descr fromat 2	programmer	Wed Dec 21 15:23:58 EET 2011	  
statisticDsd	statisticFormat	root	Wed Dec 21 12:18:18 EET 2011	  

Formats - multiple selection and pagination

On the **Search Formats** Page there is the option to perform **multiple selection** of the records by checking the check-box for each record (format). A label with the total number of selected records is displayed.

Multiple Selection allows for selecting records from multiple pages and search results.

3 formats selected

Format List					
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	COMEXT_FILE_FORMAT	COMEXT_PROGRAM	programmer	31/07/2012 14:45:55	
<input type="checkbox"/>	COMEXT_NOM_FORMAT	COMEXT_NOM_FORMAT	programmer	31/07/2012 14:46:03	
<input checked="" type="checkbox"/>	FREEFORMAT	FREEFORMAT	programmer	31/07/2012 14:46:57	
<input checked="" type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	
<input checked="" type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	

Results/page 5 page 1 /4 1 2 3 4 Showing 1 - 5 of 19 results

To De-Select all Records (Formats) you have to use button **Clear Selection**

Format Search

Name

Clear selection

3 formats selected

Are you sure you want to clear the selected formats list?

Format List					
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	COMEXT_FILE_FORMAT	COMEXT_PROGRAM	programmer	31/07/2012 14:45:55	
<input type="checkbox"/>	COMEXT_NOM_FORMAT	COMEXT_NOM_FORMAT	programmer	31/07/2012 14:46:03	
<input checked="" type="checkbox"/>	FREEFORMAT	FREEFORMAT	programmer	31/07/2012 14:46:57	
<input checked="" type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	
<input checked="" type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	

Results/page 5 page 1 /4 1 2 3 4 Showing 1 - 5 of 19 results

After you click **Ok** all records will be de-selected

no format selected

Format List

Name	Description	User	Created	Actions	
<input type="checkbox"/>	COMEXT_FILE_FORMAT	COMEXT_PROGRAM	programmer	31/07/2012 14:45:55	
<input type="checkbox"/>	COMEXT_NOM_FORMAT	COMEXT_NOM_FORMAT	programmer	31/07/2012 14:46:03	
<input type="checkbox"/>	FREEFORMAT	FREEFORMAT	programmer	31/07/2012 14:46:57	
<input type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	
<input type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	

Results/page 5 / page 1 / 4 1 2 3 4 Showing 1 - 5 of 19 results

You have the option to delete the selected records by using **Delete Selected** button.

3 formats selected

Format List

Name	Description	User	Created	Actions	
<input checked="" type="checkbox"/>	COMEXT_FILE_FORMAT	COMEXT_PROGRAM	programmer	31/07/2012 14:45:55	
<input checked="" type="checkbox"/>	COMEXT_NOM_FORMAT	COMEXT_NOM_FORMAT	programmer	31/07/2012 14:46:03	
<input checked="" type="checkbox"/>	FREEFORMAT	FREEFORMAT	programmer	31/07/2012 14:46:57	
<input type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	
<input type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	

Results/page 5 / page 1 / 4 1 2 3 4 Showing 1 - 5 of 19 results

Format Search

Name

3 formats selected

Format List

Name	Description	User	Created	Actions	
<input checked="" type="checkbox"/>	COMEXT_FILE_FORMAT	COMEXT_PROGRAM	programmer	31/07/2012 14:45:55	
<input checked="" type="checkbox"/>	COMEXT_NOM_FORMAT	COMEXT_NOM_FORMAT	programmer	31/07/2012 14:46:03	
<input checked="" type="checkbox"/>	FREEFORMAT	FREEFORMAT	programmer	31/07/2012 14:46:57	
<input type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	
<input type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	











Results/page 5 / page 1 / 4 1 2 3 4 Showing 1 - 5 of 19 results



Click **Ok** button to confirm the deletion

Note: Error message appears when a format has an associated dataset - "exception in deleting the selected formats, cause: Unable to delete format countryDsd. There is a dataset associated"

no format selected

✓ The selected items were deleted











Format List					
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	 
<input type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	 
<input type="checkbox"/>	countryDsEurope	country dataset definition	programmer	31/07/2012 14:39:08	 
<input type="checkbox"/>	countryDsd	country dataset definition	programmer	31/07/2012 14:38:51	 
<input type="checkbox"/>	countryISO	country dataset definition	programmer	31/07/2012 14:39:15	 



Results/page page /4   Showing 1 - 5 of 16 results

Display Selected Records – select multiple records from different pages, the label with the total number of selected records is displayed – click on that label

4 formats selected

View selected records

Format List					
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	 
<input type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	 
<input type="checkbox"/>	countryDsEurope	country dataset definition	programmer	31/07/2012 14:39:08	 
<input checked="" type="checkbox"/>	countryDsd	country dataset definition	programmer	31/07/2012 14:38:51	 
<input checked="" type="checkbox"/>	countryISO	country dataset definition	programmer	31/07/2012 14:39:15	 

Results/page page /4   Showing 1 - 5 of 16 results

The System displays the selected records as the search results.

4 formats selected

Format List					
<input checked="" type="checkbox"/>	Name	Description	User	Created	Actions
<input checked="" type="checkbox"/>	countryDsd	country dataset definition	programmer	31/07/2012 14:38:51	
<input checked="" type="checkbox"/>	countryISO	country dataset definition	programmer	31/07/2012 14:39:15	
<input checked="" type="checkbox"/>	hCityDsd		programmer	31/07/2012 14:41:31	
<input checked="" type="checkbox"/>	hContinentDsd		programmer	31/07/2012 14:41:41	

Results/page page /1 Showing 1 - 4 of 4 results

Navigation options on the Search Jobs page:

The System displays the results of the search split across multiple pages.

Format Search

Name

Created By

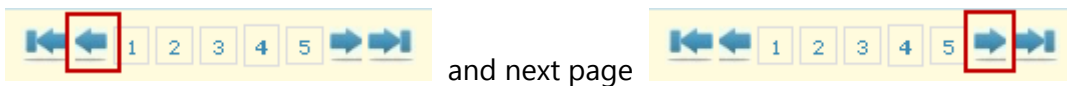
no format selected

Format List

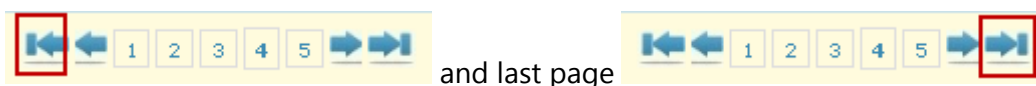
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	FREEFORMAT	FREEFORMAT	programmer	31/07/2012 15:04:11	
<input type="checkbox"/>	PERIOD_LOOKUP_FORMAT	PERIOD LOOKUP Format	programmer	31/07/2012 15:07:38	
<input type="checkbox"/>	PERIOD_TRANSCODE_FORMAT	PERIOD TRANSCODE Format	programmer	31/07/2012 15:07:43	
<input type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	
<input type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	

Results/page page /5 Showing 6 - 10 of 24 results

The System presents the option to navigate to the previous page



The System presents the option to navigate to the first page



The System presents the option to navigate to a specific page number.

no format selected

Format List					
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	FREEFORMAT	FREEFORMAT	programmer	31/07/2012 15:04:11	
<input type="checkbox"/>	PERIOD_LOOKUP_FORMAT	PERIOD LOOKUP Format	programmer	31/07/2012 15:07:38	
<input type="checkbox"/>	PERIOD_TRANSCODE_FORMAT	PERIOD TRANSCODE Format	programmer	31/07/2012 15:07:43	
<input type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	
<input type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	

Results/page page /5 Showing 6 - 10 of 24 results

Write a valid page number and click on "Enter" key

no format selected

Format List					
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	errDsd	error dataset definition	root	13/02/2012 16:24:45	
<input type="checkbox"/>	hCityDsd		programmer	31/07/2012 14:41:31	
<input type="checkbox"/>	hContinentDsd		programmer	31/07/2012 14:41:41	
<input type="checkbox"/>	hGroupDsd		programmer	31/07/2012 14:42:22	
<input type="checkbox"/>	hSubGroupDsd		programmer	31/07/2012 14:42:32	

Results/page page /5 Showing 16 - 20 of 24 results

The System displays the option to change the number of elements displayed on each page.

no format selected

Format List					
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	errDsd	error dataset definition	root	13/02/2012 16:24:45	
<input type="checkbox"/>	hCityDsd		programmer	31/07/2012 14:41:31	
<input type="checkbox"/>	hContinentDsd		programmer	31/07/2012 14:41:41	
<input type="checkbox"/>	hGroupDsd		programmer	31/07/2012 14:42:22	
<input type="checkbox"/>	hSubGroupDsd		programmer	31/07/2012 14:42:32	

Results/page page /5 Showing 16 - 20 of 24 results

no format selected

Format List					
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	CHIFFRIERTOT	CHIFFRIER TOT Format	programmer	31/07/2012 15:07:09	
<input type="checkbox"/>	CHIFFRIERVAI	CHIFFRIER VAI Format	programmer	31/07/2012 15:07:16	
<input type="checkbox"/>	DPS26	2010 DPS Format	programmer	31/07/2012 15:07:24	
<input type="checkbox"/>	DPS26WORK	2010 DPS Format	programmer	31/07/2012 15:07:31	
<input type="checkbox"/>	DPS29	2009 DPS Format	programmer	31/07/2012 15:06:01	
<input type="checkbox"/>	FREEFORMAT	FREEFORMAT	programmer	31/07/2012 15:04:11	
<input type="checkbox"/>	PERIOD_LOOKUP_FORMAT	PERIOD LOOKUP Format	programmer	31/07/2012 15:07:38	
<input type="checkbox"/>	PERIOD_TRANSCODE_FORMAT	PERIOD TRANSCODE Format	programmer	31/07/2012 15:07:43	
<input type="checkbox"/>	aggDD1	format for aggregation	programmer	31/07/2012 14:39:31	
<input type="checkbox"/>	aggDD2	format for aggregation	programmer	31/07/2012 14:39:36	
<input type="checkbox"/>	countryDsEurope	country dataset definition	programmer	31/07/2012 14:39:08	
<input type="checkbox"/>	countryDsd	country dataset definition	programmer	31/07/2012 14:38:51	
<input type="checkbox"/>	countryISO	country dataset definition	programmer	31/07/2012 14:39:15	
<input type="checkbox"/>	country_C	country dataset definition	programmer	31/07/2012 14:39:02	
<input type="checkbox"/>	country_VnoM	country dataset definition	programmer	31/07/2012 14:38:39	

Results/page page /2 1 2 Showing 1 - 15 of 24 results

The number of records can be seen on the **Showing results**.

Format List					
<input type="checkbox"/>	Name	Description	User	Created	Actions
<input type="checkbox"/>	errDsd	error dataset definition	root	13/02/2012 16:24:45	
<input type="checkbox"/>	hCityDsd		programmer	31/07/2012 14:41:31	
<input type="checkbox"/>	hContinentDsd		programmer	31/07/2012 14:41:41	
<input type="checkbox"/>	hGroupDsd		programmer	31/07/2012 14:42:22	
<input type="checkbox"/>	hSubGroupDsd		programmer	31/07/2012 14:42:32	

Results/page page /5 1 2 3 4 5 Showing 16 - 20 of 24 results

Chapter 7:

Program Management

In this section you will gain knowledge for:

- ✓ Import Program
- ✓ Search Program
- ✓ Add Program
- ✓ Edit Program

Note: In this Chapter functionalities that apply only to the **programmer role are described.**

A program comprises a set of validation rules to be applied to a dataset. The syntax of a program is described in document **BB 2011 (FP) Scripting Language.**

Import Program



Default configuration for user Programmer - there are no Programs in the Database.

Program Search

Name Created By

Start Date

End Date

 **Import Program**  **Delete Selected** **Clear selection**

no programs selected

Program List

There are are no programs matching the selected criteria.

1. Click on **"Import Program"** button and page will be displayed

Import Program

File

Simplified Program
Form

Rename existing
Program

From this page can be imported a .pdl file in a **normal** format program or **simplified format program**

2. Click on "Browse" button to select a .pdl file path

Import Program

File

Simplified Program
Form

Rename existing
Program

3. Click on "**Import**" button and the program will appear in the program page list
4. Try to import the same program with the same name when option "**Rename existing Program**" is checked

The System renames the existing program by adding a suffix with the timestamp.

✓ Existing program AGGProgram1 was renamed to AGGProgram1_31072012

✓ Program successfully imported !

Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	AGGProgram1	descAggregation	programmer	31/07/2012 17:29:59	
<input type="checkbox"/>	AGGProgram1_31072012	descAggregation	programmer	31/07/2012 15:15:53	

Search Program Page

Go to **Programs** → **Search Program**

After the import of a few programs the program list appears like this:

Program Search

Name Created By

Start Date

End Date

Import Program
 Delete Selected
 Clear selection

no program selected

Program List

<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	SBS_ANNEX9_InterSeries	SBS Inter Series validation	SBSProgrammer	31/05/2012 12:36:29	
<input type="checkbox"/>	SBS_ANNEX9_SingleSeries		SBSProgrammer	14/05/2012 18:23:30	

Results/page page /1 Showing 1 - 2 of 2 results

The following actions are available:

Action buttons	Description
- View Details	View the details of the Program
- Delete	Delete the dataset
- Edit Program	Program editor
- Create Job	Start execution of a program
- Export	Export the program
- Export Program with dependencies	Export program with dependencies (program, formats, lookups)

Programs - multiple selection and pagination

On the **Search Programs** Page there is the option to perform **multiple selection** of the records by checking the check-box for each record (program). A label with the total number of selected records is displayed.

Multiple Selection allows for selecting records from multiple pages and search results.

4 programs selected

Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	AGGProgram1	descAggregation	programmer	31/07/2012 15:15:53	
<input checked="" type="checkbox"/>	AGGProgram2	descAggregation	programmer	31/07/2012 15:15:58	
<input checked="" type="checkbox"/>	AGGProgram_all	descAggregation	programmer	31/07/2012 15:16:03	
<input checked="" type="checkbox"/>	Between_abs	testBetween	programmer	31/07/2012 15:20:01	
<input checked="" type="checkbox"/>	COMEXT_BIG3	Idem prog 1	programmer	31/07/2012 15:25:15	

Results/page 5 page 1 /9 1 2 3 4 5 Showing 1 - 5 of 43 results

To De-Select all Records (Programs) you have to use button **Clear Selection**

Program Search

Name

Start Date

End Date

4 programs selected




















Are you sure you want to clear the selected programs list?

Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	AGGProgram1	descAggregation	programmer	31/07/2012 15:15:53	
<input checked="" type="checkbox"/>	AGGProgram2	descAggregation	programmer	31/07/2012 15:15:58	
<input checked="" type="checkbox"/>	AGGProgram_all	descAggregation	programmer	31/07/2012 15:16:03	
<input checked="" type="checkbox"/>	Between_abs	testBetween	programmer	31/07/2012 15:20:01	
<input checked="" type="checkbox"/>	COMEXT_BIG3	Idem prog 1	programmer	31/07/2012 15:25:15	

Results/page 5 page 1 /9 1 2 3 4 5 Showing 1 - 5 of 43 results

After you click **Ok** all records will be de-selected

no program selected





















Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	AGGProgram1	descAggregation	programmer	31/07/2012 15:15:53	   
<input type="checkbox"/>	AGGProgram2	descAggregation	programmer	31/07/2012 15:15:58	   
<input type="checkbox"/>	AGGProgram_all	descAggregation	programmer	31/07/2012 15:16:03	   
<input type="checkbox"/>	Between_abs	testBetween	programmer	31/07/2012 15:20:01	   
<input type="checkbox"/>	COMEXT_BIG3	Idem prog 1	programmer	31/07/2012 15:25:15	   

Results/page 5 / page 1 /9 1 2 3 4 5 Showing 1 - 5 of 43 results

You have the option to delete the selected records by using **Delete Selected** button.

Import Program **Delete Selected** Clear selection

3 programs selected


Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input checked="" type="checkbox"/>	COMEXT_PROGRAM_50rls	Program COMEXT_PROGRAM	programmer	31/07/2012 15:24:58	   
<input checked="" type="checkbox"/>	COMEXT_PROGRAM_8rls	Program COMEXT_PROGRAM	programmer	31/07/2012 15:24:46	   
<input checked="" type="checkbox"/>	COMEXT_PROGRAM_errd_val	Program COMEXT_PROGRAM	programmer	31/07/2012 15:24:35	   
<input type="checkbox"/>	Check_two_steps	Check_two_steps	programmer	31/07/2012 15:20:18	   
<input type="checkbox"/>	Cond_else	Program Cond_else	programmer	31/07/2012 15:20:07	   





















Results/page 5 / page 2 /8 Showing 6 - 10 of 40 results

Search

Import Program **Delete Selected** Clear selection

3 programs selected

 Are you sure you want to do delete selected programs?

Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input checked="" type="checkbox"/>	COMEXT_PROGRAM_50rls	Program COMEXT_PROGRAM	programmer	31/07/2012 15:24:58	   
<input checked="" type="checkbox"/>	COMEXT_PROGRAM_8rls	Program COMEXT_PROGRAM	programmer	31/07/2012 15:24:46	   
<input checked="" type="checkbox"/>	COMEXT_PROGRAM_errd_val	Program COMEXT_PROGRAM	programmer	31/07/2012 15:24:35	   
<input type="checkbox"/>	Check_two_steps	Check_two_steps	programmer	31/07/2012 15:20:18	   
<input type="checkbox"/>	Cond_else	Program Cond_else	programmer	31/07/2012 15:20:07	   

Results/page 5 / page 2 /8 Showing 6 - 10 of 40 results

Click **Ok** button to confirm the deletion

✓ The selected items were deleted

Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	AGGProgram1	descAggregation	programmer	31/07/2012 15:15:53	✗ ⏪ ⏩ ⏴ ⏵
<input type="checkbox"/>	AGGProgram2	descAggregation	programmer	31/07/2012 15:15:58	✗ ⏪ ⏩ ⏴ ⏵
<input type="checkbox"/>	AGGProgram_all	descAggregation	programmer	31/07/2012 15:16:03	✗ ⏪ ⏩ ⏴ ⏵
<input type="checkbox"/>	Between_abs	testBetween	programmer	31/07/2012 15:20:01	✗ ⏪ ⏩ ⏴ ⏵
<input type="checkbox"/>	COMEXT_PROGRAM_4rls_errd_val	Program COMEXT_PROGRAM	programmer	31/07/2012 15:24:40	✗ ⏪ ⏩ ⏴ ⏵

Results/page 5 page 1 /8 1 2 3 4 5 Showing 1 - 5 of 37 results

Note: A selected program is not deleted if it has a job associates, warning message appears – “exception in deleting the selected programs, cause: Unable to delete program AGGProgram1. There is a job associated”.

Display Selected Records – select multiple records from different pages, the label with the total number of selected records is displayed – click on that label

5 programs selected

View selected records

Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	constant_definition_boolean1	constant_definition_boolean1	programmer	31/07/2012 15:18:27	✗ ⏪ ⏩ ⏴ ⏵
<input type="checkbox"/>	constant_definition_double1	constant_definition_double1	programmer	31/07/2012 15:18:32	✗ ⏪ ⏩ ⏴ ⏵
<input type="checkbox"/>	constant_definition_number1	constant_definition_number1	programmer	31/07/2012 15:18:37	✗ ⏪ ⏩ ⏴ ⏵
<input checked="" type="checkbox"/>	constant_definition_string1		programmer	31/07/2012 15:19:24	✗ ⏪ ⏩ ⏴ ⏵
<input type="checkbox"/>	constant_definition_string1_31072012	constant_definition_string1	programmer	31/07/2012 15:18:43	✗ ⏪ ⏩ ⏴ ⏵

Results/page 5 page 5 /8 4 5 6 7 8 Showing 21 - 25 of 37 results

The System displays the selected records as the search results.

5 programs selected

Program List					
<input checked="" type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input checked="" type="checkbox"/>	AGGProgram_all	descAggregation	programmer	31/07/2012 15:16:03	✗ ⏪ ⏩ ⏴ ⏵
<input checked="" type="checkbox"/>	Copy10		programmer	31/07/2012 15:16:36	✗ ⏪ ⏩ ⏴ ⏵
<input checked="" type="checkbox"/>	Select	descselect	programmer	31/07/2012 15:21:26	✗ ⏪ ⏩ ⏴ ⏵
<input checked="" type="checkbox"/>	Update	descupdate	programmer	31/07/2012 15:21:58	✗ ⏪ ⏩ ⏴ ⏵
<input checked="" type="checkbox"/>	constant_definition_string1		programmer	31/07/2012 15:19:24	✗ ⏪ ⏩ ⏴ ⏵

Results/page 5 page 1 /1 1 Showing 1 - 5 of 5 results

Navigation options on the Search Jobs page:

The System displays the results of the search split across multiple pages.

Program Search

Name Created By

Start Date

End Date

Search

Import Program **Delete Selected** **Clear selection**

no program selected

Program List

<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	Check_two_steps	Check_two_steps	programmer	31/07/2012 15:20:18	
<input type="checkbox"/>	Cond_else	Program Cond_else	programmer	31/07/2012 15:20:07	
<input type="checkbox"/>	Cond_then	Program Cond_then	programmer	31/07/2012 15:20:13	
<input type="checkbox"/>	Copy10		programmer	31/07/2012 15:16:36	
<input type="checkbox"/>	PdIAppend_5	descAPPEND	programmer	31/07/2012 15:16:14	

Results/page page /8 1 3 4 5

Showing 6 - 10 of 37 results

The System presents the option to navigate to the previous

and next page

The System presents the option to navigate to the first page

and last page

The System presents the option to navigate to a specific page number.

Program List

<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	Check_two_steps	Check_two_steps	programmer	31/07/2012 15:20:18	
<input type="checkbox"/>	Cond_else	Program Cond_else	programmer	31/07/2012 15:20:07	
<input type="checkbox"/>	Cond_then	Program Cond_then	programmer	31/07/2012 15:20:13	
<input type="checkbox"/>	Copy10		programmer	31/07/2012 15:16:36	
<input type="checkbox"/>	PdIAppend_5	descAPPEND	programmer	31/07/2012 15:16:14	

Results/page page /8 1 3 4 5

Showing 6 - 10 of 37 results

Write a valid page number and click on "Enter" key

Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	Split	descsplit	programmer	31/07/2012 15:21:42	
<input type="checkbox"/>	Split2	descsplit	programmer	31/07/2012 15:21:36	
<input type="checkbox"/>	StringFunctions	description1	programmer	31/07/2012 15:21:07	
<input type="checkbox"/>	Update	descupdate	programmer	31/07/2012 15:21:58	
<input type="checkbox"/>	Update10		programmer	31/07/2012 15:21:52	

Results/page page /8 Showing 16 - 20 of 37 results

The System displays the option to change the number of elements displayed on each page.

Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	Split	descsplit	programmer	31/07/2012 15:21:42	
<input type="checkbox"/>	Split2	descsplit	programmer	31/07/2012 15:21:36	
<input type="checkbox"/>	StringFunctions	description1	programmer	31/07/2012 15:21:07	
<input type="checkbox"/>	Update	descupdate	programmer	31/07/2012 15:21:58	
<input type="checkbox"/>	Update10		programmer	31/07/2012 15:21:52	

Results/page page /8 Showing 16 - 20 of 37 results


























no program selected

Program List					
<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	AGGProgram1	descAggregation	programmer	31/07/2012 15:15:53	
<input type="checkbox"/>	AGGProgram2	descAggregation	programmer	31/07/2012 15:15:58	
<input type="checkbox"/>	AGGProgram_all	descAggregation	programmer	31/07/2012 15:16:03	
<input type="checkbox"/>	Between_abs	testBetween	programmer	31/07/2012 15:20:01	
<input type="checkbox"/>	COMEXT_PROGRAM_4rls_errd_val	Program COMEXT_PROGRAM	programmer	31/07/2012 15:24:40	
<input type="checkbox"/>	Check_two_steps	Check_two_steps	programmer	31/07/2012 15:20:18	
<input type="checkbox"/>	Cond_else	Program Cond_else	programmer	31/07/2012 15:20:07	
<input type="checkbox"/>	Cond_then	Program Cond_then	programmer	31/07/2012 15:20:13	
<input type="checkbox"/>	Copy10		programmer	31/07/2012 15:16:36	
<input type="checkbox"/>	PdlAppend_5	descAPPEND	programmer	31/07/2012 15:16:14	
<input type="checkbox"/>	PdlAppend_CREATE_NEW	descAPPEND	programmer	31/07/2012 15:16:21	
<input type="checkbox"/>	PdlAppend_USE_EXISTING	descAPPEND	programmer	31/07/2012 15:16:26	
<input type="checkbox"/>	PdlSort	descsort	programmer	31/07/2012 15:21:17	
<input type="checkbox"/>	Program2cmx_taric		programmer	31/07/2012 15:26:22	
<input type="checkbox"/>	Select	descselect	programmer	31/07/2012 15:21:26	

Results/page page /3 Showing 1 - 15 of 37 results

The number of records can be seen on the **Showing results**.

Program List


<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	Split	descsplit	programmer	31/07/2012 15:21:42	    
<input type="checkbox"/>	Split2	descsplit	programmer	31/07/2012 15:21:36	    
<input type="checkbox"/>	StringFunctions	description1	programmer	31/07/2012 15:21:07	    
<input type="checkbox"/>	Update	descupdate	programmer	31/07/2012 15:21:58	    
<input type="checkbox"/>	Update10		programmer	31/07/2012 15:21:52	    

Results/page page /8

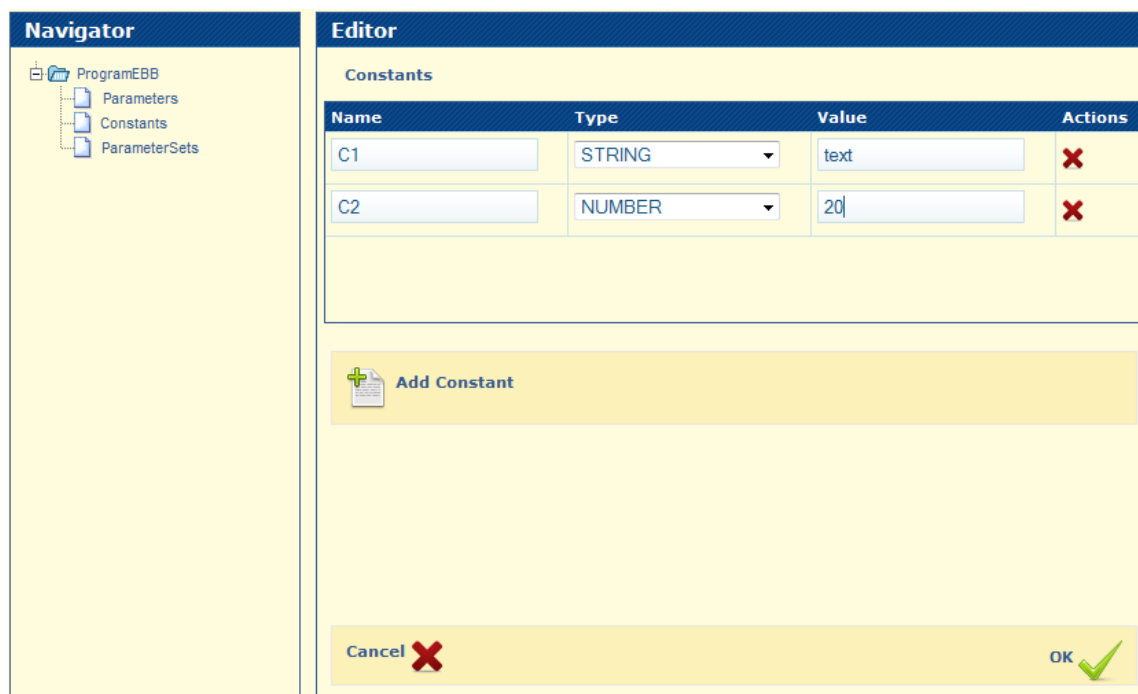


Showing 16 - 20 of 37 results



Program Editor



In the page with the list of programs imported, click on **Edit Program** .

- The Constants Editor

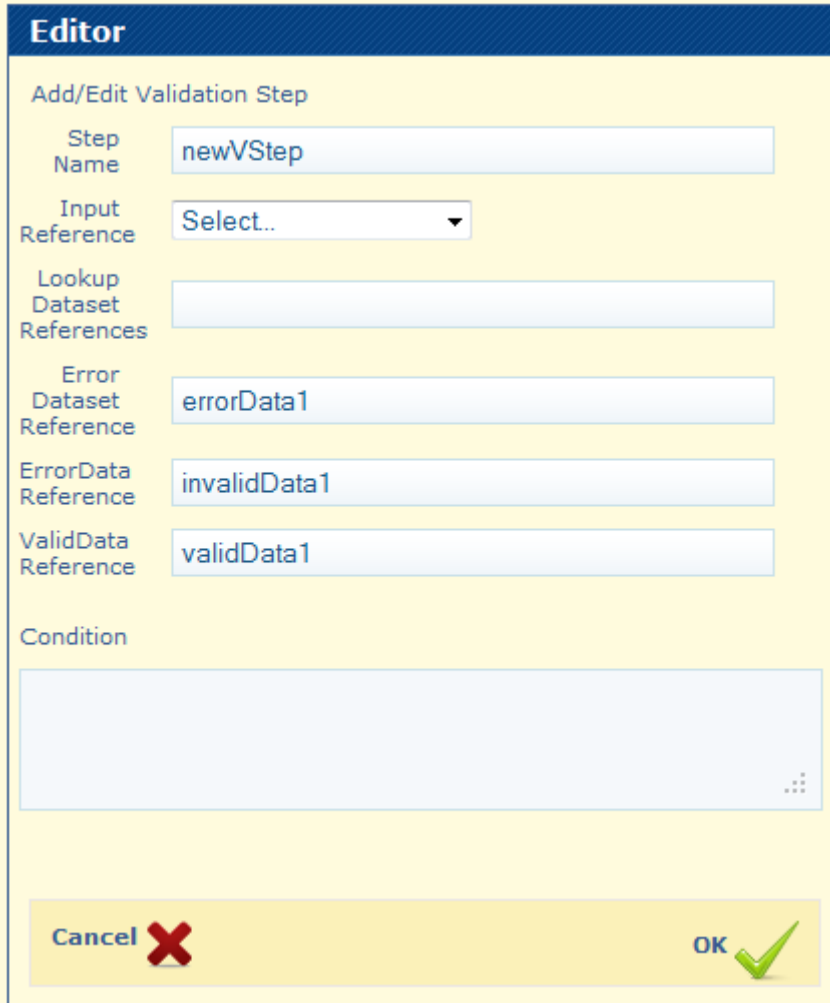


With the Controls:

Field:	Properties	Additional Information:
Navigators – Constants	Link	Activates the Constants Editor Panel
Editor - Name	Text / Text Field	Field for entering the name of the constant
Editor – Type	Text / Drop Down List	Field for selecting the type of the constant; List of values: STRING, NUMBER, DOUBLE, BOOLEAN
Editor – Value	Text / Text Field	Field for entering the value of the constant
Editor – Delete 	Icon	Delete the constant from the list
Add Constant 	Icon	Add a new constant in the



		constants table
OK 	Icon	Save the current constants table
Cancel 	Icon	Cancel current modifications

- The Validation Step Editor

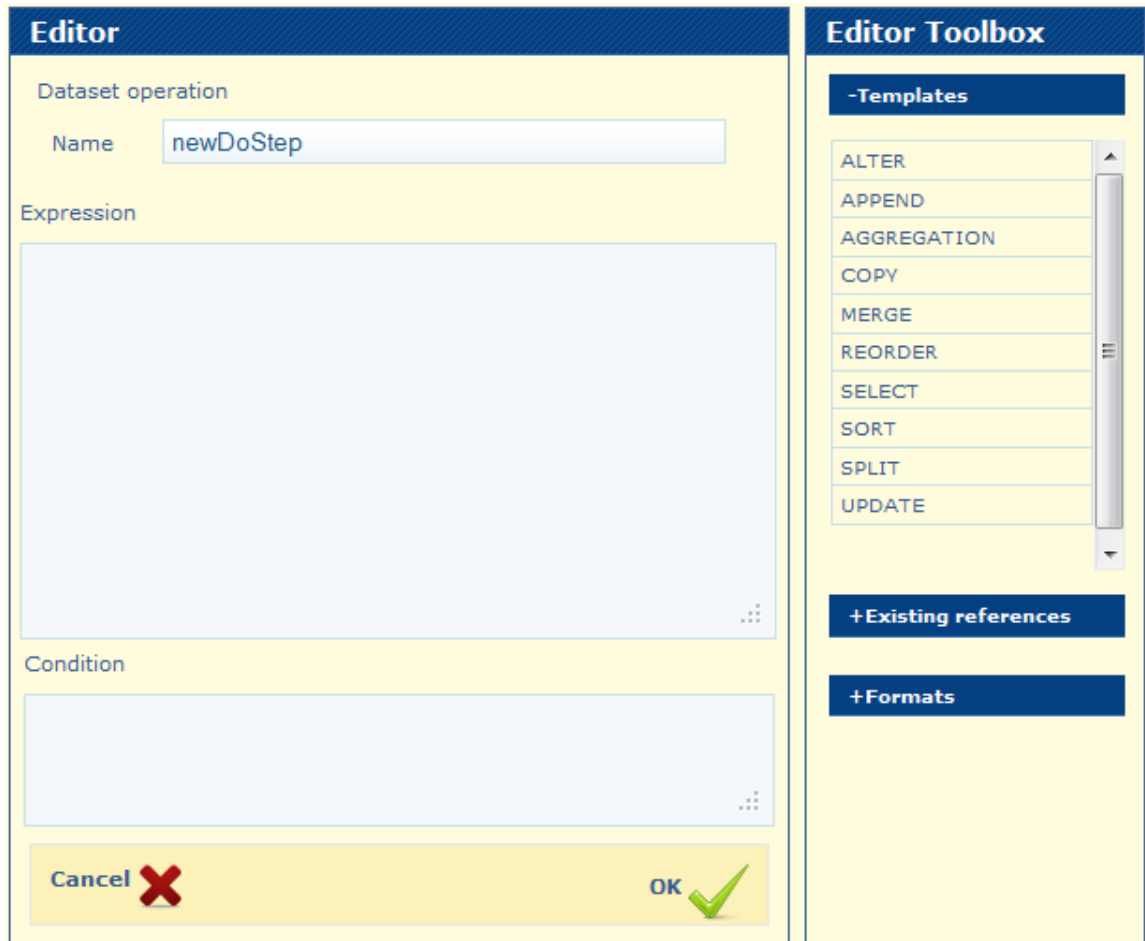


With the controls:

Field:	Properties	Additional Information:
{Fields}	Input	Current existing input fields
Condition	Text Area	Field for entering the condition for the execution of the step



OK 	Icon	Save the step
Cancel 	Icon	Cancel current modifications

- The Dataset Operation Step Editor



With the Controls:

Field:	Properties	Additional Information:
Name	Text Field	Field for entering the name of the step
Expression	Text Area	Field for entering the expression of the step
Condition	Text Area	Field for entering the condition for the execution of the step

Editor Toolbox - Templates	List of Links	Dataset Operation Templates; List of values to be added to the existing list: HIERARCHICAL DATA, IMPORT FILE, IMPORT DATABASE, EXPORT FILE, EXPORT DATABASE
OK 	Icon	Save the step
Cancel 	Icon	Cancel current modifications





- Hierarchical Rules



Editor

Type **Hierarchical Rule**



Name

Keysets

Name	Keyset	Transposition	
root	Key1, Key2		
level1_A	Key3, Key4	Key4	
level1_B	Key5, Key6	Key5	
level2_C	Key3, Key4, Key8, Key9	Key8	

 **Add Keyset** **Save As** 

Expression

Cancel  **OK** 

Editor Toolbox

-Templates

- CONDITIONAL
- CONDITIONAL AUXFIELDS
- COMPUTATION THEN
- COMPUTATION THEN/ELSE

-Existing keysets






There are not keysets defined in the program

+Format:testinput


+Functions

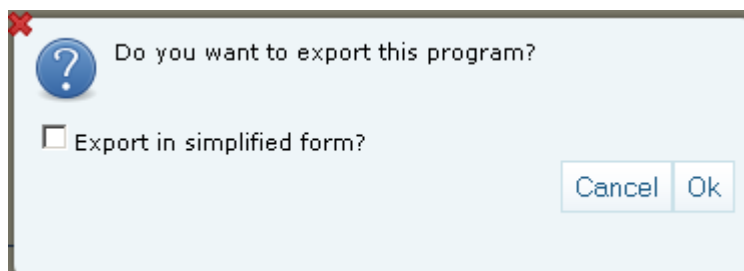
+Operations

With the Controls:

Field:	Properties	Additional Information:
Name	Text Field	Field for entering the name of the rule
Keysets Name	Text / Text Field	Field for entering the name of the keyset
Keysets Name	Text / Text Field	Field for entering the name of the keyset
Keysets Name	Text / Text Field	Field for entering the name of the keyset
Keysets Delete 	Icon	Delete the keyset from the list
Add Keyset 	Icon	Add a new keyset in the keysets table
Save As 	Icon	Save the current keysets definition for later re-use
Expression	Text Area	Field for entering the expression of the rule
Editor Toolbox – Templates	List of Links	Hierarchical RuleTemplates; List of values: CONDITIONAL, CONDITIONAL AUX FIELDS, COMPUTATION THEN, COMPUTATION THEN ELSE
Editor Toolbox – Keysets	List of Links	Hierarchical keysets definitions saved by the user. On click the user is asked for a confirmation and the keysets list is populated.
OK 	Icon	Save the rule
Cancel 	Icon	Cancel current modifications

Export Program

Go to Programs and click on **Export** .




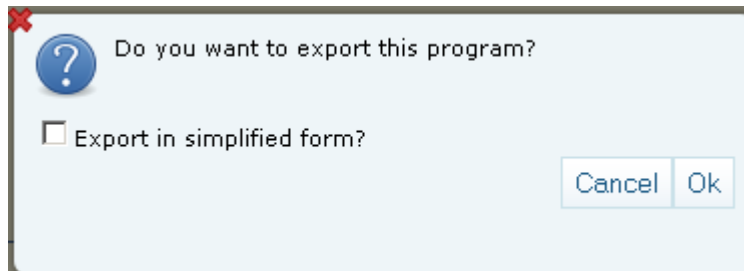
Click on **OK**.

The Browse Location window appears to select the path on the local hard-drive to download the program. The program will be saved at the selected location with pdl format.

Click on **Cancel** or **X** to close the window and abort the export of the program.

Simplified Export Program

Go to Programs and click on **Export** .



Check the "Export in simplified form?" box and click on **OK**.

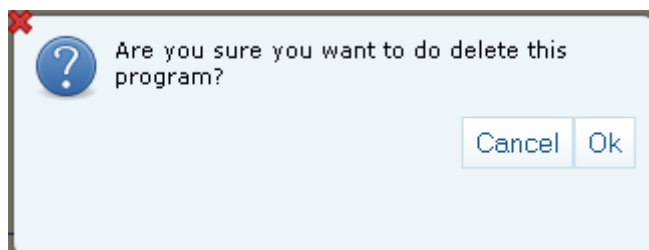
The Browse Location window appears to select the path on the local hard-drive to download the program. The program will be saved at the selected location with csv format.

Click on **Cancel** or **X** to close the window and abort the export of the program.

Delete Program

Go to Programs and click on **Delete Program** **X**.

The confirmation window appears.




Click on **OK** to delete the program.

Note: If the program has associated jobs, the program will not be deleted and an appropriate message will appear in the application.

 **Cant delete program ! There are jobs associated, delete them first.**

Click on Cancel or **X** to close the window and abort the deletion of the program.

Export Program with Dependencies

Go to **Programs** → Search Program and choose option  - Export Program with Dependencies

Program List				
Program Name	Description	Created By	Created On	Actions
BOP_ITS	BOP ITS validation	programmer	Fri Jun 29 11:08:22 EEST 2012	
COMEXT_PROGRAM_16cond	Program COMEXT_PROGRAM	programmer	Fri Jun 29 11:07:04 EEST 2012	
S11		programmer	Fri Jun 29 10:58:42 EEST 2012	
aes_v11		programmer	Fri Jun 29 10:47:14 EEST 2012	
cvts_4		programmer	Fri Jun 29 10:52:15 EEST 2012	

A list with the program and all dependencies will be displayed:

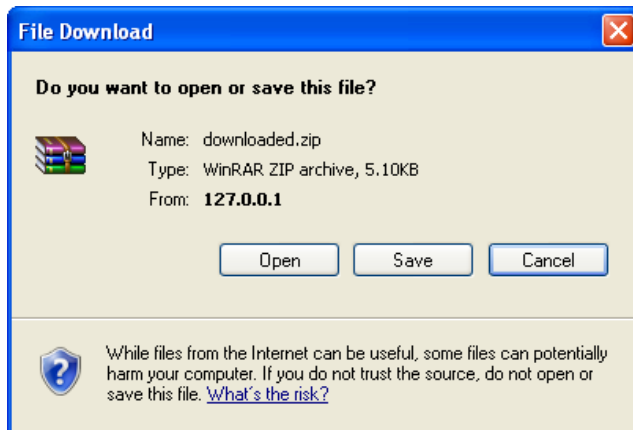
Program to be exported	
Name	S11
Description	
Created By	programmer
Created On	Fri Jun 29 10:58:42 EEST 2012

Associated formats list			
Name	Description	User	Creation Date
SBS_DATA	Input Format of SBS data	programmer	Fri Jun 29 10:58:29 EEST 2012
errDsd	error dataset definition	root	Mon Feb 13 16:24:45 EET 2012

program.associated.lookup.dataset.list					
Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records
sbs30	SBS_DATA	programmer		Fri Jun 29 10:58:30 EEST 2012	14
sbs31	SBS_DATA	programmer		Fri Jun 29 10:58:31 EEST 2012	14
sbs32	SBS_DATA	programmer		Fri Jun 29 10:58:32 EEST 2012	14
sbs33	SBS_DATA	programmer		Fri Jun 29 10:58:33 EEST 2012	14
sbs34	SBS_DATA	programmer		Fri Jun 29 10:58:34 EEST 2012	14
sbs35	SBS_DATA	programmer		Fri Jun 29 10:58:36 EEST 2012	14
sbs36	SBS_DATA	programmer		Fri Jun 29 10:58:37 EEST 2012	14
sbs37	SBS_DATA	programmer		Fri Jun 29 10:58:38 EEST 2012	14
sbs38	SBS_DATA	programmer		Fri Jun 29 10:58:39 EEST 2012	14
sbs39	SBS_DATA	programmer		Fri Jun 29 10:58:40 EEST 2012	14

[← Back](#) [Export !\[\]\(17acf1afa8cdf0b67c53d4865a5ed469_img.jpg\)](#)

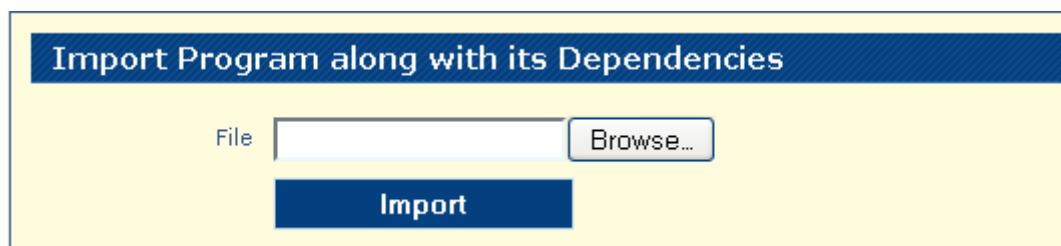
Click on "Export" button and a widow with "File Download" is displayed



Click "Save" to store the program with dependencies (the .zip file) on the local machine.

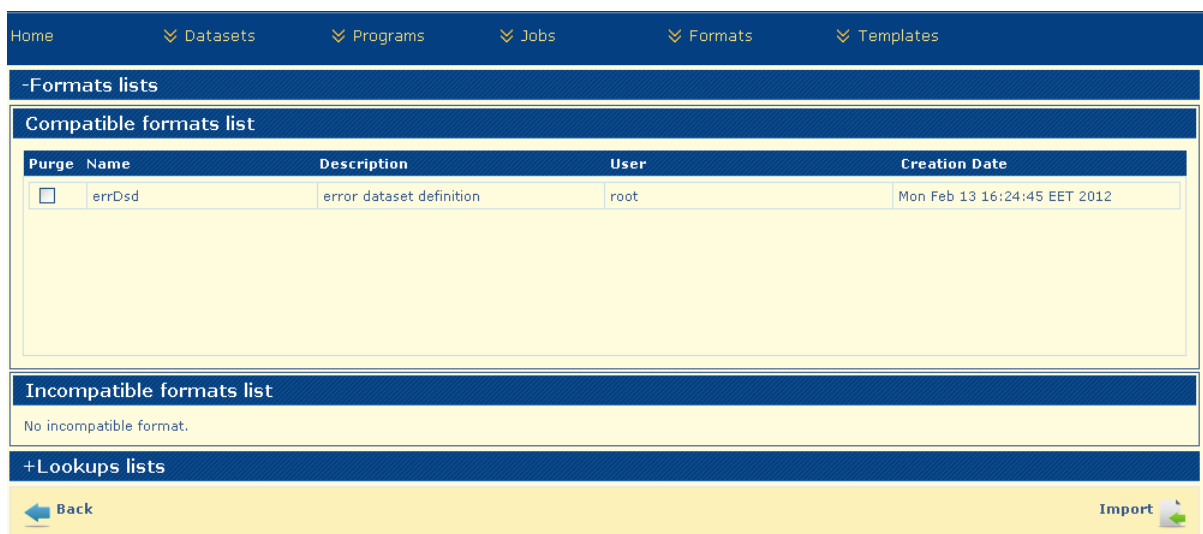
Import Program with Dependencies

Go to **Programs** → **Import Program w/ Dependencies**

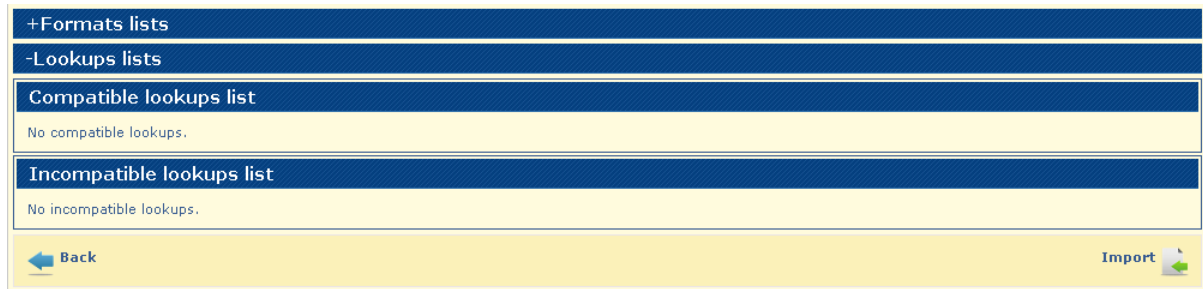


Click on **Browse** button and select a valid .zip file – program with dependencies from your local machine



When program with dependencies is new the screen appears like this :



Click on **Lookups list**



When a format is Purged on the import program with dependencies, all format that have the same name are deleted together with their dependencies .

Field:	Properties	Additional Information:
Program to be imported	Field Set	Field Set presenting information about the program
Incompatible Associated Formats	Table	Table presenting information about incompatible formats, associated with the program.
Associated Lookup Datasets List	Table	Table presenting information about associated with the program, lookup datasets. If the format of a lookup is incompatible, then the checkbox will be selected and disabled. If the format of a lookup is compatible (aka it is not in the list above), then the checkbox will be available to the user (enabled)
 Back	Back Button	Cancels the operation and returns to the previous screen
 Import	Import Button	Starts the import operation.

Click on **Import** button and the program with dependencies is loaded in the application

The System examines the contents of the file, checks for incompatible metadata and presents a list containing the following conflicting elements:

- existing program with the same name
- compatible formats
- incompatible formats
- compatible lookups
- incompatible lookups

When is loaded in to the application an **existing program with the same name** the interface will appear like this:

Home ▾ Datasets ▾ Programs ▾ Jobs ▾ Formats ▾ Templates

⚠ A program with the same name already exists. The existing program will be deleted!

Do not delete and rename to :

-Formats lists

Compatible formats list

Purge	Name	Description	User	Creation Date
<input type="checkbox"/>	errDsd	error dataset definition	root	Mon Jun 25 12:05:36 EEST 2012
<input type="checkbox"/>	SBS_DATA	Input Format of SBS data	root	Mon Jun 25 15:43:16 EEST 2012

Incompatible formats list

No incompatible format.

+Lookups lists

[← Back](#) [Import](#)

For the existing program with the same name, the System presents the option to delete the program or to rename it.

When importing a program with dependencies, has **compatible formats**, will appear like this:

-Formats lists

Compatible formats list

Purge	Name	Description	User	Creation Date
<input type="checkbox"/>	COMEXT_FILE_FORMAT	COMEXT_PROGRAM	programmer	Wed Jun 27 13:14:51 EEST 2012
<input type="checkbox"/>	COMEXT_NOM_FORMAT	COMEXT_NOM_FORMAT	programmer	Wed Jun 27 13:12:19 EEST 2012
<input type="checkbox"/>	errDsd	error dataset definition	root	Mon Feb 13 16:24:45 EET 2012

For each element in the list of compatible formats, the System presents the option to use the existing format or to purge the entry together with all its dependencies.

An incompatible formats can appear on the import with dependencies :

Incompatible formats list

Name	Description	User	Creation Date
SBS_DATA	Input Format of SBS data	updateUser	Tue Apr 03 17:46:33 EEST 2012

After import all incompatible formats will be removed together with all their dependencies.

Compatible lookups are found when the same lookups are used from another program.

+Formats lists

-Lookups lists

Compatible lookups list

Owrite	Dataset Name	Dataset Format	No Records	of User	Creation Date
<input type="checkbox"/>	nom1	COMEXT_NOM_FORMAT	46215	programmer	Wed Jun 27 13:27:41 EEST 2012
<input type="checkbox"/>	nom2	COMEXT_NOM_FORMAT	46215	programmer	Wed Jun 27 13:41:51 EEST 2012

Incompatible lookups list

No incompatible lookups.

[Back](#) [Import](#)

For each element in the list of compatible lookups, the System presents the option to overwrite the selected entry.

Incompatible lookups occurs when another lookup in on the application with the same name but different structure.

Incompatible formats list

Name	Description	User	Creation Date
COMEXT_NOM_FORMAT	COMEXT_NOM_FORMAT	programmer	Wed Jun 27 13:12:19 EEST 2012

All incompatible lookups will be removed together with all their dependencies.

Chapter 8:

Templates Management

In this section you will gain knowledge for:

- ✓ Add Connection Templates
- ✓ Search Connection Templates
- ✓ Edit Connection Template
- ✓ Delete Connection Template
- ✓ Add Selection Templates
- ✓ Search Selection Template
- ✓ Add Insertion Templates
- ✓ Search Insertion Templates
- ✓ Multiple selection and Pagination

Note: In this Chapter functionalities that apply only to the **programmer role** are described.

Add Connection Program

Go to Menu **Templates** → **Add Connection Template**

The screenshot shows a web application interface for adding a connection template. The navigation bar at the top contains 'Home', 'Datasets', 'Programs', 'Jobs', 'Formats', and 'Templates'. The main content area is titled 'Add Connection Template' and contains the following fields:

- Template Name:
- Details:
- User Name:
- Password:
- Connection URL:
- Connection Type:

At the bottom of the form, there are two buttons: 'Back' (with a left arrow icon) and 'Save' (with a floppy disk icon).

1. To add a "Connection Template" it is necessary to complete all the fields with valid values

Example:

Home Datasets Programs Jobs Formats Templates

Add Connection Template

Template Name: externaldb
Details: externaldb
User Name: dps2011
Password: ●●●●●●
Connection URL: jdbc:oracle:thin:@10.20.20.34:1521:SPOT
Connection Type: ORACLE

Back Save

2. Click on "Save" button
3. List of available "Connection Template" is displayed

Template Name:
User: ...
Search

Database Connection Templates List

Template Name	Description	User	Created	Actions
externaldb	externaldb	programmer	21-12-2011 04:00	

Connection template it is used on the export/import to an external database operations.

Example:

Database Properties

Database Connection Template: externaldb

Search Connection Template









On Menu **Templates** → **Connection Templates Search** are listed all the saved connections templates




Database Connection Templates Search

Template Name

User

Database Connection Templates List

Template Name	Description	User	Created	Actions
externaldb	externaldb	programmer	21-12-2011 04:00	 
connection1		programmer	21-12-2011 05:22	 
connection2		programmer	21-12-2011 05:23	 
template1		programmer	21-12-2011 05:23	 

Field:	Properties	Additional Information:
Search - Name	Text Field	Field to be used for filtering based on the name of the template
Search - User	Drop-down Field	Field to be used for filtering based on the user, to be selected from the drop-down list
Search	Button	Trigger the search operation
Add Template 	Icon	Add a new template
List – Name	Read Only Text	Name of the template
List – Description	Read Only Text	Description of the template
List – User	Read Only Text	User that created the template
List – Created	Read Only Text	Date when the template was created
Actions - Edit 	Icon	Edit the template
Actions - Delete 	Icon	Delete the template; a confirmation is requested from the user

Note: The **User** field is automatically filled in with the current user logged in.



Example of searching a connection template:

Set Template Name = db and click on **“Search”** button

Database Connection Templates Search

Template Name
User

Database Connection Templates List

Template Name	Description	User	Created	Actions
externaldb	externaldb	programmer	21-12-2011 04:00	 

Edit Connection Template

On the list of Connection Templates page choose option  - edit

Edit Connection Template

Template Name
Details
User Name
Password
Connection URL
Connection Type









Example of editing a Connection Template:

Edit Connection Template

Template Name
Details
User Name
Password
Connection URL
Connection Type

Click on "Save" button

✔ Connection saved!

Template Name	Description	User	Created	Actions
externaldb	externaldb	programmer	21-12-2011 04:00	 
connection1		programmer	21-12-2011 05:22	 
connection2		programmer	21-12-2011 05:23	 
template1_postgres		programmer	21-12-2011 05:23	 

Delete Connection Template

On Menu **Templates** → **Connection Templates Search** there is option to delete a lost connection.

Example of deleting Connection Templates:

Select a registration and click on "Delete" button:







Database Connection Templates Search

Template Name


User ...

Search







Database Connection Templates List

Template Name	Description	User	Created	Actions
externaldb	externaldb	programmer	21-12-2011 04:00	 
connection1		programmer	21-12-2011 05:22	 
connection2		programmer	21-12-2011 05:23	 
template1		programmer	21-12-2011 05:23	 

Confirm the deletion and the registration is deleted with a confirmation message.

 **Connection deleted!**

Database Connection Templates List

Template Name	Description	User	Created	Actions
externaldb	externaldb	programmer	21-12-2011 04:00	 
connection1		programmer	21-12-2011 05:22	 
template1_postgres		programmer	21-12-2011 05:23	 

Add Selection Template

Go to Menu **Templates** → **Add Selection Template**

Example of Selection Template registration:

Add Template

Template Name

Details

Statement

```
select test1 field1, test2 field2, test3 field3,
test4 field4 from test|
```

[← Back](#)
[Save](#)

This template it is use on import to an external Database:

Database Select Template

Search Selection Template

Go to **Menu Templates** → **Selection Template Search**

Data Selection Templates Search

Template Name

User




Data Selection Templates List

Name	Description	User	Created	Actions
TemplateName	Template Description ...	root	Fri Feb 04 10:13:36 CET 2011	
TemplateName	Template Description ...	root	Mon Feb 07 14:57:40 CET 2011	
TemplateName	Template Description ...	root	Thu Jan 27 16:09:44 CET 2011	
TemplateName	Template Description ...	root	Wed Jan 19 15:23:23 CET 2011	
TemplateName	Template Description ...	root	Wed Mar 09 11:46:48 CET 2011	

<< Previous 1 2 3 Next >>

Description of controls from Data Selection Template Page

Field:	Properties	Additional Information:
Search - Name	Text Field	Field to be used for filtering based on the name of the template
Search - User	Drop-down Field	Field to be used for filtering based on the user, to be selected from the drop-down list

Search	Button	Trigger the search operation
Add Template 	Icon	Add a new template
List – Name	Read Only Text	Name of the template
List – Description	Read Only Text	Description of the template
List – User	Read Only Text	User that created the template
List – Created	Read Only Text	Date when the template was created
Actions - Edit 	Icon	Edit the template
Actions - Delete 	Icon	Delete the template; a confirmation is requested from the user

Note: The **User** field is automatically filled in with the current user logged in.

Add Insertion Template

Go to Menu **Templates** → **Add Insertion Template**

Example of Insertion Template registration:



Add Template

Template Name

Details

Statement

```
insert into test (test1, test2, test3, test4) values
(?, ?, ?, ?)
```

 Back
Save 

This template it is use on export to an external Database:

Database Select Template

Search Insertion Template

Go to Menu **Templates** → **Insertion Template Search**

List of Insertion Templates is displayed:

Data Insertion Templates Search

Template Name
 User SBSPprogrammer ▼

Search

Data Insertion Templates List

Name	Description	User	Created	Actions
TemplateName	Template Description ...	root	Fri Feb 04 10:13:36 CET 2011	
TemplateName	Template Description ...	root	Mon Feb 07 14:57:40 CET 2011	
TemplateName	Template Description ...	root	Thu Jan 27 16:09:44 CET 2011	
TemplateName	Template Description ...	root	Wed Jan 19 15:23:23 CET 2011	
TemplateName	Template Description ...	root	Wed Mar 09 11:46:48 CET 2011	

<< Previous
1
2
3
Next >>

The options on this page are:











Field:	Properties	Additional Information:
Search - Name	Text Field	Field to be used for filtering based on the name of the template
Search - User	Drop-down Field	Filed to be used for filtering based on the user, to be selected from the drop-down list
Search	Button	Trigger the search operation
Add Template 	Icon	Add a new template
List – Name	Read Only Text	Name of the template
List – Description	Read Only Text	Description of the template
List – User	Read Only Text	User that created the template
List – Created	Read Only Text	Date when the template was created
Actions - Edit 	Icon	Edit the template
Actions - Delete 	Icon	Delete the template; a confirmation is requested from the user





Note: The **User** field is automatically filled in with the current user logged in.

Templates pagination

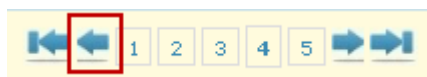
Navigation options on the Search Template page:

The System displays the results of the search split across multiple pages.

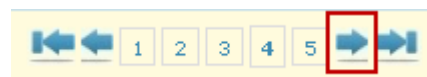
Data Selection Templates List				
Template Name	Description	User	Created	Actions
template8		programmer	31-07-2012 04:52	 
template9		programmer	31-07-2012 04:52	 
template10		programmer	31-07-2012 04:54	 
template11		programmer	31-07-2012 04:54	 
template12		programmer	31-07-2012 04:55	 

Results/page page /7   1 2 **3** 4 5   Showing 11 - 15 of 32 results

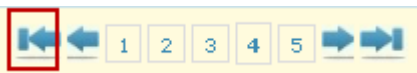
The System presents the option to navigate to the previous



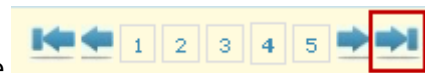
and next page













The System presents the option to navigate to the first page







and last page

















The System presents the option to navigate to a specific page number.

Data Selection Templates List				
Template Name	Description	User	Created	Actions
template13		programmer	31-07-2012 04:55	 
template14		programmer	31-07-2012 04:55	 
template16		programmer	31-07-2012 04:55	 
template17		programmer	31-07-2012 04:56	 
template18		programmer	31-07-2012 04:56	 

Results/page page /7   1 2 3 **4** 5   Showing 16 - 20 of 32 results

Write a valid page number and click on "Enter" key

Data Selection Templates List				
Template Name	Description	User	Created	Actions
template19		programmer	31-07-2012 04:57	 
template20		programmer	31-07-2012 04:57	 
template21		programmer	31-07-2012 04:58	 
template22		programmer	31-07-2012 04:58	 
template23		programmer	31-07-2012 04:58	 

Results/page page /7   3 4 5 6 7   Showing 21 - 25 of 32 results

The System displays the option to change the number of elements displayed on each page.

Data Selection Templates List				
Template Name	Description	User	Created	Actions
template19		programmer	31-07-2012 04:57	
template20		programmer	31-07-2012 04:57	
template21		programmer	31-07-2012 04:58	
template22		programmer	31-07-2012 04:58	
template23		programmer	31-07-2012 04:58	

Results/page **5** page 5 /7 3 4 5 6 7

Showing 21 - 25 of 32 results

Data Selection Templates List				
Template Name	Description	User	Created	Actions
select1		programmer	31-07-2012 03:14	
select2		programmer	31-07-2012 03:14	
select3		programmer	31-07-2012 03:14	
template1		programmer	31-07-2012 04:50	
template2		programmer	31-07-2012 04:50	
template3		programmer	31-07-2012 04:50	
template4		programmer	31-07-2012 04:51	
template5		programmer	31-07-2012 04:51	
template6		programmer	31-07-2012 04:51	
template7		programmer	31-07-2012 04:51	
template8		programmer	31-07-2012 04:52	
template9		programmer	31-07-2012 04:52	
template10		programmer	31-07-2012 04:54	
template11		programmer	31-07-2012 04:54	
template12		programmer	31-07-2012 04:55	

Results/page **15** page 1 /3 1 2 3

Showing 1 - 15 of 32 results

Chapter 9:

Administrator

Functionalities

In this section you will gain knowledge for:

- ✓ Administrator Menu
- ✓ Add Domain
- ✓ Search Domain
- ✓ Edit Domain
- ✓ Delete Domain
- ✓ Add User
- ✓ Search User
- ✓ Edit User
- ✓ Delete User [_Toc312171174](#)
- ✓ Add User Group [_Toc312171175](#)
- ✓ Search User Group [_Toc312171176](#)
- ✓ Edit User Group [_Toc312171177](#)
- ✓ Delete User Group [_Toc312171178](#)

Administrator Menus

The navigation bar (at the top of the screen) is the same on every screen in **XTNET-EBB**. It contains links which give quick access to many of **XTNET-EBB**'s most useful functions.

The users with the role of an Administrator the options "**Home**" and "**Administration**" are available.


European Commission
eurostat Your key to European statistics
 v6.0.45
 Logout

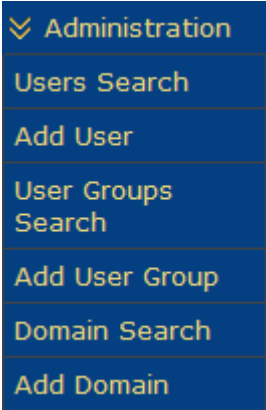
Home Administration

Eurostat: XTNET EDIT 2010

User Profile

Username admin First Name admin Last Name admin
 Current Domain DEMO Roles ADMIN

 Change Password

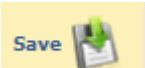
Menu	Short description
	<p>Click the "Home" menu to access the "Home Page".</p> <p>Contains a link to the "Change Password" functionality.</p>
	<p>Click the "Administration" menu to :</p> <p>"User Search" – search available users by: Login name, Last name, Domain. From this menu are available actions: add user, delete user, edit user</p> <p>"Add User" – create a user with all available properties (First name, Last name, Login name, Password, Domain, Role, Group)</p> <p>"User Group Search" – search available groups by: name or domain. From this menu are available actions: add group, delete group, edit group</p> <p>"Add User Group" – create a group with all available properties (Name, Domain, Description)</p> <p>"Domain Search" – search available domains by Name. From this menu are available actions: add domain, delete domain, edit domain</p> <p>"Add Domain" – create a domain with all available properties (Name, Description)</p>











Add Domain

Click on **Administration** -> **Add Domain**, the page with all the fields to add a Domain will appear.

Example to add Domain:

- Complete the fields:
 - Name = DOMAIN1
 - Description = ADD DOMAIN

- Click on  button, the domain will appear on the list

Domain List		
Name	Description	Actions
CVTS		 
DEMO	DEMO	 
DOMAIN1	ADD DOMAIN	 
EHIS		 
test		 

Search Domain


Click on **Administration** -> **Domain Search**, option to search a domain by Name is displayed



Example:

- Search criteria: Name=Domain1
- Click on "Search" button

Domain Search

Name


 Add Domain

Domain List		
Name	Description	Actions
DOMAIN1	ADD DOMAIN	 

If you leave the field blank and click on "Search" button all available domains will be listed.

Edit Domain

Example:

- select a domain "DOMAIN1" click on  - edit button











- edit displayed data:

Name = DOMAIN1_edit


Description = edit Domain

- click on "Save" button

The group is listed with the new details

Domain List		
Name	Description	Actions
CVTS		 
DEMO	DEMO	 
DOMAIN1_edit	edit DOMAIN	 
EHIS		 
test		 

Delete Domain

On the "Domain List" click on  - delete button. The registered domain will disappear from the list.

Add User

Click on **Administration** -> **User Search**, the page with all the fields to add a user will appear

Home Administration

Add User


First Name


Last Name

Login name

Password

Confirm Password

Domains  Add User to Domain

[Back](#) [Save User](#) 

Example to add a user with multiple roles:

- Complete the fields:

- First Name = user1
- Last Name = usertest
- Login name = user1
- Password = 12345678
- Confirm password = 12345678
 - Add properties of the user, domain , role, group
- Domains = DEMO – click on button “Add User to Domain” -> will appear other fields to fill (domain, role, group)
- Role = admin - click on button “Add role” -> will appear a list with the selected role
- Role = user - click on button “Add role” -> will appear a list with the selected role
- Role = programmer - click on button “Add role” -> will appear a list with the selected role
- select a group = group1 (previous added) and click on “Add group”

Add User

First Name:

Last Name:

Login name:

Password:

Confirm Password:

Domains: Add User to Domain

Domain	Created By	Created Date	Actions
DEMO	root	Thu Aug 19 11:03:39 EEST 2010	

Add Role

Role	Created By	Created Date	Actions
admin	root	Thu Aug 19 11:03:38 EEST 2010	
user	root	Thu Aug 19 11:03:38 EEST 2010	
programmer	root	Thu Aug 19 11:03:38 EEST 2010	

Add Group

Back Save User

Save User



- Save the new user by clicking on
- The user will appear in the list

User List			
User Name	Domain Roles	User Groups	Actions
root	admin@DEMO , user@DEMO , programmer@CVTS , programmer@EHIS , programmer@DEMO		✖
EHIS	user@EHIS		✖
CVTSProgrammer	programmer@CVTS		✖
CVTSUser	user@CVTS		✖
test	programmer@test		✖
admin	admin@test , admin@DEMO		✖
user1	admin@test , admin@DEMO , user@test , user@DEMO , programmer@test , programmer@DEMO	group1@test	✖

- Logout and try to Login with the new user. The user has multiple roles and will have access to all the functions of the application.

European Commission
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Home Datasets Programs Jobs Formats Administration

Eurostat: XTNET EDIT 2010

User Profile

Username	user1	First Name	user1	Last Name	usertest
Current Domain	DEMO	Roles	ADMIN,USER,PROGRAMMER		

Change Password

Search User

Click on **Administration** -> **User Search** and the following page will appear:

User Search

Login name

Last name

Domain

Add User

User List

User Name	Domain Roles	User Groups	Actions
root	admin@DEMO , user@DEMO , programmer@CVTS , programmer@EHIS , programmer@DEMO		✖ ✎
EHIS	user@EHIS		✖ ✎
CVTSProgrammer	programmer@CVTS		✖ ✎
CVTSUser	user@CVTS		✖ ✎
test	programmer@test		✖ ✎
admin	admin@DEMO		✖ ✎

There are default users in the application that are displayed in **"User List"**.

Search criteria are available in the **"User Search"** part of the page.

Examples - Search criteria: Login name=admin, Domain= DEMO

Home
Administration

User Search

Login name

Last name

Domain

Add User

User List

User Name	Domain Roles	User Groups	Actions
admin	admin@DEMO		✖ ✎

Click on button from the **"User List"** to edit a user.

Edit User

Example:

- select user "admin" and click on button

Home Administration

Edit User


First Name


Last Name


Login name


New Password


Confirm Password



Domains  Add User to Domain


Domain	Created By	Created Date	Actions
DEMO	root	Thu Aug 19 11:03:39 EEST 2010	

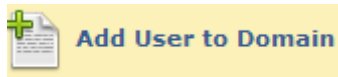
 Add Role

Role	Created By	Created Date	Actions
admin	root	Thu Aug 19 11:03:38 EEST 2010	

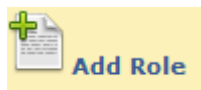
 Add Group

 Back  Save User

- change password, write a "New Password" and "Confirm Password"
- delete the domain by clicking on 
- role of the user disappears
- Select another available domain, for example "Test" and click on



- select role "admin" and click
- the result is:



Edit User


First Name


Last Name


Login name


New Password

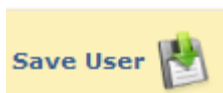
Confirm Password

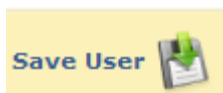
Domains  Add User to Domain

Domain	Created By	Created Date	Actions
test	root	Tue Sep 21 09:39:04 EEST 2010	


 Add Role

Role	Created By	Created Date	Actions
admin	root	Thu Aug 19 11:03:38 EEST 2010	



- click  button
- login using the new password and domain


Delete User





On user list click on  button to delete a user. The current user can't be deleted.

Add User Group

Click on **Administration** -> **Add User Group**, the page with all the fields to add a group will appear

Example to add user group:

- Complete the fields:
 - Name = group1
 - Domain = test
 - Description = Add user group test
- Click on  button, the group will appear on the list




Group List		
Name	Domain	Actions
test	DEMO	 
group1	test	 

Search User Group

Click on **Administration** -> **User group Search**, option to search a group by Name and Domain is displayed

Example:


- Search criteria: Name=group1, Domain=test:
- Click on "Search" button

Group Search	
Name	<input type="text" value="group1"/>
Domain	<input type="text" value="test"/>
<input type="button" value="Search"/>	
 Add Group	
Group List	
Name	Domain
group1	test
 	





If you leave the field blank and click on "**Search**" button all available groups will be listed.

Edit User Group

Example:

- select a group "group1" click on  - edit button
 - edit displayed data:
- Name = group1_edit
- Domain = DEMO (change from test)
- Description = edit user group test
- click on "Save" button

The group is listed with the new details

Group List		
Name	Domain	Actions
group1_edit	DEMO	 
group2	test	 

Delete User Group

On the “**Group List**” click on  - delete button. The registered Group will disappear from the list.

Chapter 10:

Examples in EBB system

In this section you will gain knowledge for:

- ✓ Defining, executing and obtaining the validation results for a full scenario in EBB.

Complete EBB validation Examples

1. Go to Datasets Menu -> Import Datasets and import the datasets needed for validation.

Dataset Import / Export History Search

Name Type

Status Format

Start Time End Time

User

Delete Selected Clear selection

no task selected

Dataset Import / Export History

<input type="checkbox"/>	User	Format	Name	Type	Start Time	End Time	Status	Actions
<input type="checkbox"/>	SBSProgrammer	CFlagCodes	CFLAG	IMPORT	06/04/2012 11:34:08	06/04/2012 11:34:09	COMPLETED	
<input type="checkbox"/>	SBSProgrammer	NUTS	Nuts_Codes_6J	IMPORT	03/04/2012 17:50:48	03/04/2012 17:50:49	COMPLETED	
<input type="checkbox"/>	updateUser	VariableCodes	V_Codes_7F	IMPORT	03/04/2012 17:35:26	03/04/2012 17:35:26	COMPLETED	
<input type="checkbox"/>	updateUser	VariableCodes	V_Codes_7E	IMPORT	03/04/2012 17:35:15	03/04/2012 17:35:16	COMPLETED	
<input type="checkbox"/>	updateUser	VariableCodes	V_Codes_7D	IMPORT	03/04/2012 17:35:05	03/04/2012 17:35:05	COMPLETED	

Results/page page /17

Showing 1 - 5 of 83 results

2. Click on **"Create Job"** button from Jobs Menu.

Program Search

Name Created By

Start Date

End Date

Search

Clear selection

no program selected

Program List

<input type="checkbox"/>	Program Name	Description	Created By	Created On	Actions
<input type="checkbox"/>	SBS_ANNEX9_InterSeries	SBS Inter Series validation	SBSProgrammer	31/05/2012 12:36:29	
<input type="checkbox"/>	SBS_ANNEX9_SingleSeries		SBSProgrammer	14/05/2012 18:23:30	

Results/page page /1 Showing 1 - 2 of 2 results

3. Click on **“Execute Program”**, selecting the datasets previously imported.

Program Summary

Program Name h1 Created Date: Dec 8, 2011 Created By root

General Information

Job Name

Description

Dataset References

Dataset Reference	Dataset Format	Dataset Instance
Input		
CITY1	hCityDsd	<input type="text" value="dataset3"/>
CONTINENT1	hContinentDsd	<input type="text" value="dataset1"/>
COUNTRY1	hCountryDsd	<input type="text" value="dataset2"/>
Output		
output6	hMer	<input type="text" value="output"/>
Error		
err	errDsd	<input type="text" value="error"/>

[Back](#) **Execute**


Search Job

Name Status

Start Date End Date



User

Search

 **Delete Selected** **Clear selection**

no job selected

Job List

<input type="checkbox"/>	Job Name	User Name	Program Name	Status	Execution Start	Execution Finish	Description	Actions
.....	JOB2	BDUser	SBS_ANNEX9_Si...	PENDING				
.....	JOB1	BDUser	SBS_ANNEX9_Si...	RUNNING	22/08/2012 11:44:38			

Results/page page /1 Showing 1 - 2 of 2 results

4. Click **“View Results”** to open the results page.

Job Details

Name: <input type="text" value="h1"/>	Status: <input type="text" value="COMPLETED"/>
Program: <input type="text" value="h1"/>	Exceptions: <input type="text" value="7"/>
Started: <input type="text" value="Fri Dec 09 15:45:32 EET"/>	Finished: <input type="text" value="Fri Dec 09 15:45:38 EET"/>
Description: <div style="border: 1px solid gray; height: 40px; width: 100%;"></div>	Errors Log

Error Reports

Dataset Name	Used in step	Rows	Actions
error	step	11	

Input Datasets

Dataset Name	Used in step	Rows	Actions
dataset1	hMer	6	
dataset2	hMer	13	
dataset3	hMer	10	
output	step	29	

Output Datasets

Dataset Name	Used in step	Rows	Actions
output	hMer	29	

[← Back](#)

- From the **Error Reports** section, manage the error dataset. Click on **“View Dataset”** button:

Report

Dataset Name: error

Dataset Format

10 Displayed Columns

ROW_NUMBER
MESSAGE
SEVERITY
BLOCK_INDEX
EXP_INDEX
EXP_ID
EXP_NAME
PARTITION
AUXILIARY_DATA
DSI_ID

0 Hidden Columns

Dataset Content

ROW_NUMBER	MESSAGE	SEVERITY	BLOCK_INDEX	EXP_INDEX	EXP_ID	EXP_NAME	PARTITION	AUXILIARY_DATA	DSI_ID	Actions
1	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=AF, COUNTRY=NIG	COUNTRY=NIG	164	
2	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=AS, COUNTRY=JP	COUNTRY=JP	164	
3	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=AU, COUNTRY=AUS	COUNTRY=AUS	164	
4	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=EU, COUNTRY=AT	COUNTRY=AT	164	
5	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=EU, COUNTRY=BG	COUNTRY=BG	164	
6	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=EU, COUNTRY=CZ	COUNTRY=CZ	164	
7	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=NA, COUNTRY=CA	COUNTRY=CA	164	
8	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=NA, COUNTRY=MEX	COUNTRY=MEX	164	
9	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=NA, COUNTRY=USA	COUNTRY=USA	164	
10	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=SA, COUNTRY=PER	COUNTRY=PER	164	
11	the sum is not correct	ERROR	0	0	83	rule	CONTINENT=SA, COUNTRY=VZ	COUNTRY=VZ	164	

[Back](#) [Export](#)

All the errors are displayed.

- Click on **“View Statistics”** button.

Home Datasets Jobs

Job Statistics

Rule Name	No of Failures	Rule Message
rule	11	ERROR : the sum is not correct

[Back](#) [Export](#)

The statistic dataset is displayed. It contains all the rules that failed, the number of times they failed and the error message received. In this case only one rule failed, for 11 input entries and the message is: “ERROR: the sum is not correct”.

7. Click on **“Export”** button.

The export dataset page is displayed.

Select values for the fields needed and click on Export. By default, the error Dataset format is “errDsd”.

The Imports / Exports page will appear and you will be able to see the status of the export dataset.

Dataset Import / Export History							
User	Format	Name	Type	Start Time	End Time	Status	Actions
user	errDsd	err_12	EXPORT	Mon Dec 12 15:57:25 EET 2011		RUNNING	
root	hContinentDsd	CONTINENT1	IMPORT	Mon Dec 12 15:38:56 EET 2011	Mon Dec 12 15:38:57 EET 2011	COMPLETED	
root	hCountryDsd	COUNTRY1	IMPORT	Mon Dec 12 15:38:34 EET 2011	Mon Dec 12 15:38:35 EET 2011	COMPLETED	
root	hCityDsd	CITY1	IMPORT	Mon Dec 12 15:38:11 EET 2011	Mon Dec 12 15:38:13 EET 2011	COMPLETED	

8. Download the dataset by clicking and select a location on the local hard-drive.

- From the **Input Datasets** section, manage the input dataset(s).

All the datasets that are used as inputs are mentioned.

Click on *View Details* button. The selected input dataset is displayed.

The screenshot displays the 'Input Dataset' configuration interface. At the top, there are navigation links for 'Home', 'Datasets', and 'Jobs'. The main section is titled 'Input Dataset' and shows 'Dataset Name: CITY1'. Below this is the 'Dataset Format' section, which indicates '5 Displayed Columns' and '0 Hidden Columns'. A list of columns is shown: ROW_NUMBER, CITY, COUNTRYNAME, NAME, and VALUE. To the right of this list are four buttons: '==>', '-->', '<--', and '<=='. Below the format section is the 'Dataset Content' section, which contains a table with the following data:

ROW_NUMBER	CITY	COUNTRYNAME	NAME	VALUE	Actions
1	BXL	BEL	Brussel	40.0	
2	LUX	LUX	Luxembourg	10.0	
3	BV	RO	Brasov	20.0	
4	KA	BG	Kavarna	25.0	
5	WN	AT	Wien	30.0	
6	PG	CZ	Prague	27.0	
7	TK	JP	Tokyo	60.0	
8	CI	EG	Cairo	100.0	
9	BUC	RO	Bucuresti	140.0	
10	BRG	BEL	Bruges	35.0	

At the bottom of the interface, there are two buttons: 'Back' (with a left-pointing arrow) and 'Export' (with a right-pointing arrow and a document icon).

Click on *Export* button. The input dataset is moved to the Imports / Exports Datasets section where it can be downloaded on the local hard-drive.

- From the **Output Datasets** section, manage the output dataset(s).

All the output datasets are enumerated in this section.


Chapter 11:

Advanced information on the EBB system

In this section you will gain knowledge for:

- ✓ View Predefined Program Scripts
- ✓ Create Program Scripts through the Program Editor
- ✓ View CSV file properties
- ✓ View FLR file properties
- ✓ Import Dataset file properties templates
- ✓ Import Dataset file fields
- ✓ User group

View Predefined EBB Program Scripts

In the **Create Job** page, the View Details  action will open the **Program Detail** page and will display the source script of the program. The viewing of the program will allow you to see detailed information on the validation rules applied to the dataset.

Program Summary

Program Name SBS_ANNEK1_SingleSeries **Created On** Thu Nov 03 12:50:21 EET 2011 **Created By** SBSProgrammer
Program Description

Program Details

```

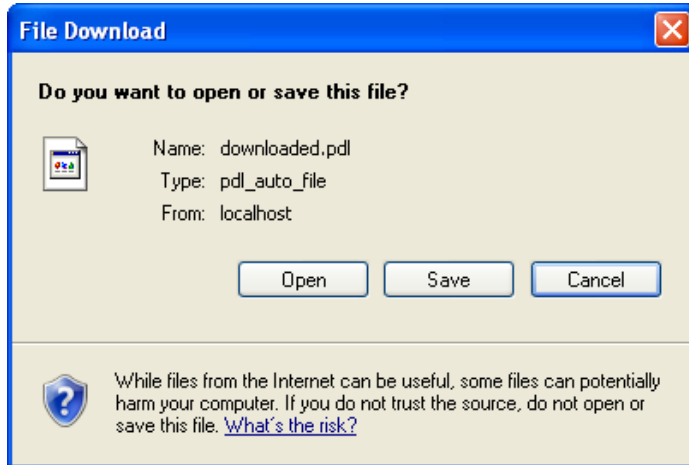
# EXPORTED BY EDIT v01

PROGRAM SBS_ANNEK1_SingleSeries (
  INPUT SBS_DATA input1;
  INPUT NUTS Nuts_Codes;
  INPUT NaceCodes_nace2_1;
  INPUT VariableCodes V_Codes;
  INPUT SIZE_CLASS Size_C;
  PARAMETER P_T NUMBER;
  PARAMETERSET PARAMETERS (
    P_T=2009;
  )
  STEPS (
    VALIDATION Validation (
      INPUT input1;
      LOOKUP Nuts_Codes;
      LOOKUP nace2_1;
      LOOKUP V_Codes;
      LOOKUP Size_C;
      ERROR ErrorLog;
      RULES {
        RECORD ConvertValue (
          CONDITION true;
          then {
            aux_val := strToDouble(value);
          }
        )
      }
    )
  )
)

```

← Back
Export →

The - Export action will ask you to confirm the download of the program file.



An advanced Programmer's Guide is available for the EBB system for the Users that want to write their own validation programs, which is intended to be used with the Scripting Language Documentation.

Note: The program is stored in a PDL format .

Import Dataset – CSV File Properties details

For CSV files, the file properties are: **skip header lines**, **field delimiter**, **text qualifier**, **decimal character**, and **thousand delimiters**.

The screenshot shows the 'File Properties' dialog box. At the top, 'File Type' is set to 'CSV'. Below that, the 'CSV' section contains several fields: 'Skip Header Lines' (0), 'Decimal Point Character' (.), 'Field Delimiter' (,), 'Text Qualifier' ('), and 'Thousand Delimiter' (empty). The 'File Type' dropdown is circled in red.

CSV file properties	Description
<p>Skip Header Lines <input type="text" value="0"/></p>	<p>The first records in a CSV file might represent the names of the following columns of data or other comments like the author etc., and are generally referred to as column headers. If the values of Skip Header Lines is specified then the specified number of columns in the beginning of the file will be ignore on import.</p> <p>This field accepts only numbers.</p> <p>Example of input file:</p> <pre>PID; PWGT; PROXY; INSTIT; AGE; SEX; 41659001; 1374.876; 1; 1; 87; 2; EU; 41661001; 108.625; 2; 1; 86; 2; EU; 1 41662001; 1473.891; 1; 1; 82; 2; EU;</pre>
<p>Field Delimiter <input type="text" value=","/></p>	<p>Records are separated with the character that is introduced on this field. The Field Delimiter must be the same as the delimitation character from the imported file, otherwise the file will not be imported and error will be triggered.</p> <p>This field accepts only one character.</p> <p>Example of input file :</p> <pre>41659001;1374.876;1;1;87;2;EU; 41661001;108.625;2;1;86;2;EU;1 41662001;1473.891;1;1;82;2;EU;</pre>

	<pre> 2101,1065.058,1,1,58,1,EU,51, 1002102,998.776,1,1,56,2,EU,5 1002103,1973.187,1,1,27,2,EU, 1002201,1065.058,1,1,58,1,EU, 1002202,1114.578,1,1,51,2,EU, 1002203,1722.977,2,1,31,1,EU, </pre>
<p>Decimal Point Character <input type="text" value="."/></p>	<p>This field is to determine which Decimal Point Character will be used for Double values from the file.</p> <p>This field accepts only one character.</p> <p>Example of data: 11,22 or 11.22</p>
<p>Text Qualifier <input type="text" value=""/></p>	<p>Fields (cells) that contain a Filed Delimiter character in their value must be escaped with a Text Qualifier character.</p> <p>Some input values are escaped by embedding the field inside a set of double quotes, referred to Text Qualifier, a single cell with the text, for example: <i>Agricultural, fishery and related laborers</i> becomes "<i>Agricultural, fishery and related</i>".</p> <p>This field accepts only one character.</p> <p>Example for Text Qualifier = " and Field Delimiter = ,</p> <pre> DE41,DE,41,"Brandenburg,Nordost" DE42,DE,42,"Brandenburg,Südwest" </pre>
<p>Thousand Delimiter <input type="text"/></p>	<p>This field is to determine which character will be used to separate thousand decimals from the rest of the digits in a number inside the file.</p> <p>This field accepts only one character.</p> <p>Example of data: 1000 or 1,000</p>

Import Dataset – FLR File Properties details

For FLR files, the file properties are: skip **header lines**, **decimal character**, and **thousand delimiters**.

The screenshot shows the 'File Properties' dialog box. At the top, 'File Type' is set to 'FLR'. Below this, a list of file types is shown with 'FLR' selected. The 'Skip Header Lines' field is set to '0'. The 'Decimal Point Character' and 'Thousand Delimiter' fields are empty. The dialog box has a blue header and footer, and a yellow background for the main content area.

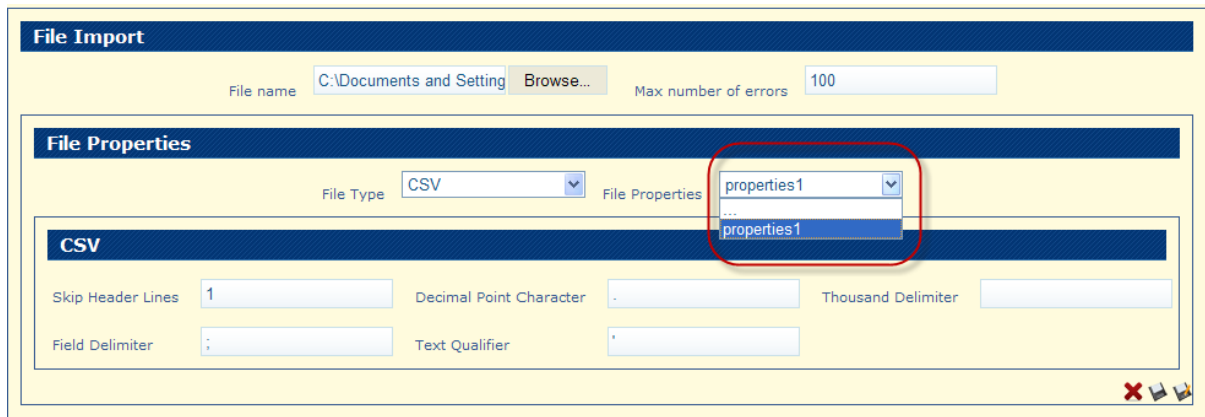
--	--

FLR file properties	Description
<p>Skip Header Lines <input type="text" value="0"/></p>	<p>The first records in an FLR file might represent the names of the following columns of data or other comments like the author etc., and are generally referred to as column headers. If the values of Skip Header Lines is specified then the specified number of columns in the beginning of the file will be ignore on import.</p> <p>This field accepts only numbers.</p> <p>Example of input file:</p> <pre>CODE LABEL 11Legislators and senior officials 12Corporate managers 13Managers of small enterprises</pre>
<p>Decimal Point Character <input type="text" value="."/></p>	<p>This filed is to determine which Decimal Point Character will be used for Double values from the file.</p> <p>This field accepts only one character.</p> <p>Example of data: 11,22 or 11.22</p>
<p>Thousand Delimiter <input type="text" value="."/></p>	<p>This field is to determine which character will be used to separate thousand decimals from the rest of the digits in a number inside the file.</p> <p>This field accepts only one character.</p> <p>Example of data: 1000 or 1,000</p>

Import Dataset – File Properties templates

A *file properties template* is a predefined set of *file properties* you have used in a previous occasion and saved as a template.

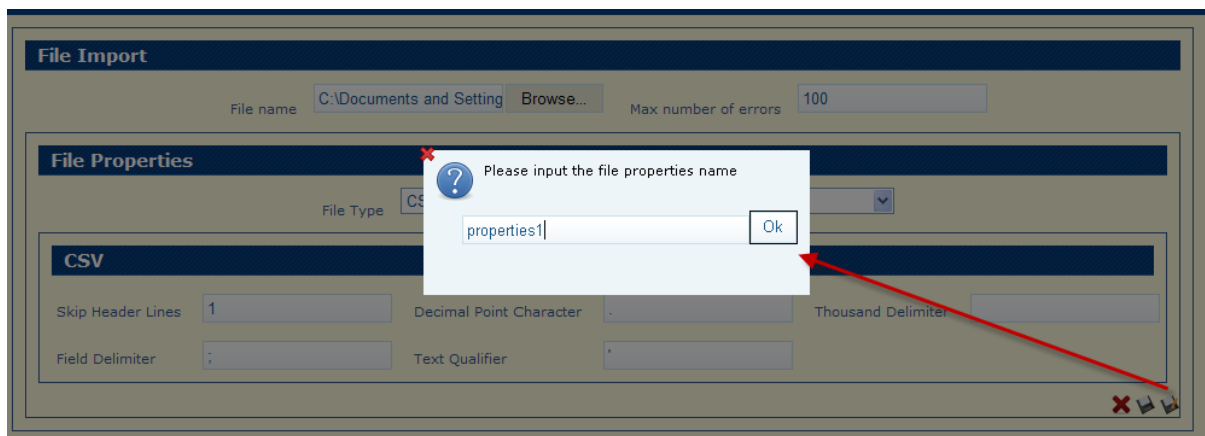
Optionally, you can select a *file properties template* from the “**File Properties**” list. Upon selection, the application will populate the **File Properties** panel with the values defined in the selected template.



You can manage the **"File Properties"** list as follow:

Button	Description
- delete	Delete the selected template from the list.
- save	Update the selected template with the current values.
- save as	Save new file properties template

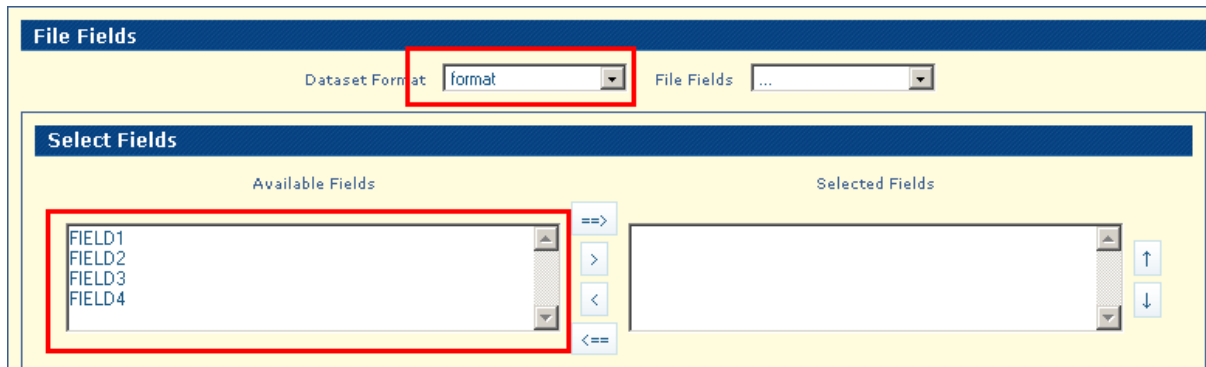
Example of saving a new *file properties template*:









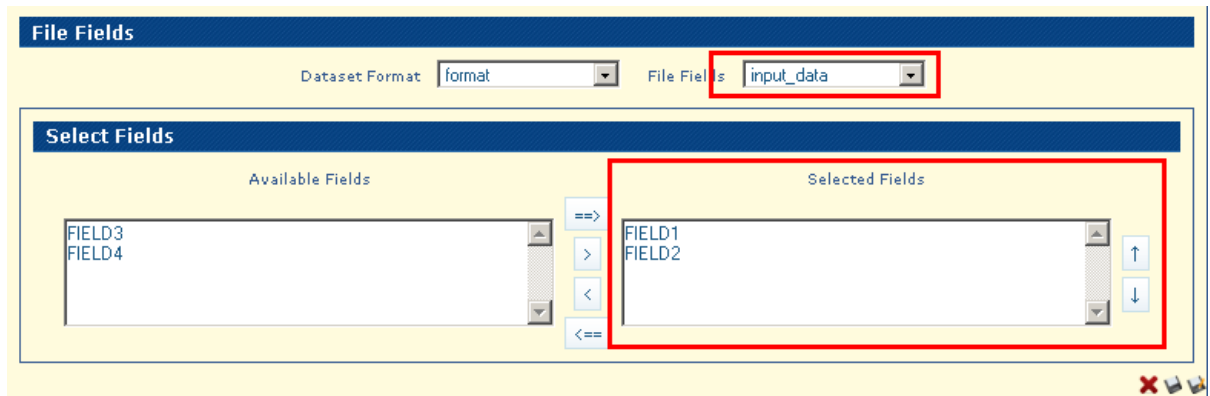
After clicking **"Ok"** button the properties of the file introduced on the page will be saved in the list.

Import Dataset – File Properties templates

During the import process you can select the fields to be imported and arrange them at the specific order you require.



Fields and buttons	Description
<p style="text-align: center;">Available Fields</p> 	<p>After the Dataset Format is selected, the list of Available Fields is populated with the columns from the selected dataset definition.</p>
	<p>Selects all the columns and puts them in the list of Selected Fields</p>
	<p>Returns all the selected columns from the list Selected Fields back in the list of Available Fields</p>
	<p>Puts only the selected column from the Available Fields to Selected Fields.</p>
	<p>Puts only the selected column from the Selected Fields back to Available Fields.</p>
<p style="text-align: center;">Selected Fields</p> 	<p>Represents the columns that will be imported from the input file (dataset). These fields must be found inside the file to be imported.</p>



A *file fields template* is a predefined selection of fields you have used in a previous occasion and saved as a template. Optionally, you can select a *file fields template* from the “**File Fields**” list. Upon selection, the application will populate the **File Fields** panel with the selection defined in the selected template.

You can manage the “**File Fields**” list as follows:

Button	Description
- delete	Remove the selected template from the list.
- save	Update the selected template with the current fields selection
- save as	Add a new template to the list using the current fields selection

Manage Owner Group

In the **Dataset List** panel, locate the dataset you wish to set the Owner Group and click the “**Owner Group**” icon.

Dataset List						
Dataset Name	Dataset Format	User	Owner Group	Creation Date	No of Records	Actions
DATA_SAMPLE_01	countryDsd	user		Tue Dec 20 15:10:10 EET 2011	10	

The application will open the **Owner Group** page.

The screenshot shows a web interface with a yellow background. At the top, there is a dark blue header bar with the text "Dataset Profile" in white. Below this, the text "Dataset name" is followed by a text input field containing "country1". Below this section is another dark blue header bar with the text "Manage Owner Group" in white. Underneath, there is a dropdown menu with a blue arrow pointing down and three dots inside. At the bottom of the interface, there is a yellow bar with a blue arrow pointing left and the text "Back".

In the **Owner Group** page, the application allows you to:

1. Select the group from the "**Owner Group**" list that you wish the dataset to be associated to. If the administrator has not yet associated any Owner Group to your user role(s) then the list will appear empty.
2. Click the "**Save**" button to save the change. By associating the dataset to the Owner Group, this will make the dataset accessible to the user that belongs to the selected group.
3. Click the "**Back**" button to return to the previous page.

Abbreviations and Acronyms

The following terms/abbreviations were used within this Users Manual.

Terms/Abbreviation	Description
Format	A collection of fields that define the structure of a Dataset
Dataset	A collection of data rows defined in accordance with a Dataset Format
Dataset Reference	A reference to a dataset definition to be used inside a program
Program	A set of execution steps meant to process input data
Job	An instantiation of a program to be executed on a particular set of dataset instances
EBB	Editing Building Block

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