



# WDSC/Eclipse IDDOS-PlugIn User manual



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# 1 Preface



This manual provides a short description of the WDSC/Eclipse workbench, how to connect to the System I and a detailed description of the functionality of the RealWebGen-plugin.



The general way of working is the same in WDSC and Eclipse, so both versions are documented in one manual.



There are some differences between the 2 versions.

The RealWebGen-plugin is the same for the versions, but here are some platform-dependend differences.



In Eclipse, there is no RSE or Remote System LPEX Editor available.



In WDSC there is a possibility to choose a RSE- or RealWebGen-perspective. In Eclipse there is only the RealWebGen-perspective.

## 1.1 Remark

When an URL in this document is mentioned as [www.iseries.realdolmen.com](http://www.iseries.realdolmen.com), [iseries.realdolmen.com](http://iseries.realdolmen.com) (without www.) has to be applied.



## 2 Eclipse

Eclipse is an open source community whose projects are focused on building an open development platform comprised of extensible frameworks, tools and runtimes for building, deploying and managing software across the lifecycle. A large and vibrant ecosystem of major technology vendors, innovative start-ups, universities, research institutions and individuals extend, complement and support the Eclipse platform



## 3 Perspective



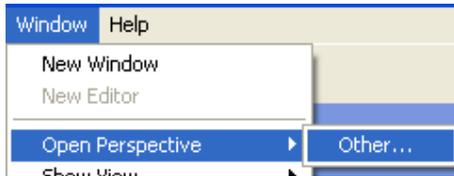
A perspective is a collection of views in the workbench.



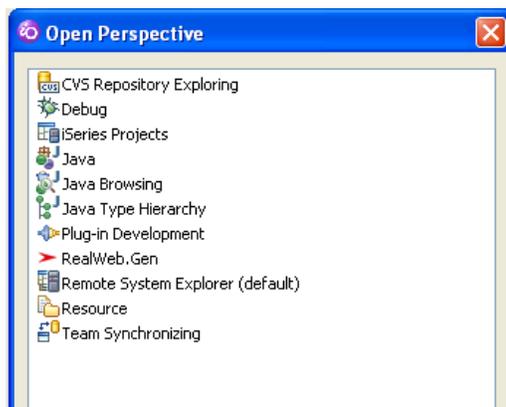
### 3.1 Opening the perspective



To open the perspective, click on the menu “Window” → “Open Perspective” → “Other”.



Select “RealWeb.gen” and click “OK”.





## 3.2 Parts of perspective

RealWeb.Gen - New Program Editor - IBM Websphere Development Studio Client for iSeries

File Edit Navigate Search Project Run Window Help

RealWeb.Gen

1. Explorer

4. Context menu

2. Editors

3. Table views

5. Perspectives

Attribute Name	Length	Type	Decimals	Description
ACCD	1	A	1	ACTIVITY CODE RETRIED
ADRS	35	A	0	ADDRESS

### 3.2.1 Explorer

All the programs and program filters are listed here.

### 3.2.2 Editors

Programs can be edited and displayed here. Multiple tabs can be opened or closed. To close one or multiple tabs click a tab and chose "Close", "Close other" or "Close all".

### 3.2.3 Table views

All programs or attributes are displayed depending on the node.

### 3.2.4 Properties

Properties of the selected node are displayed here.

### 3.2.5 Context menu



Every node has a context menu with specific actions for that node.

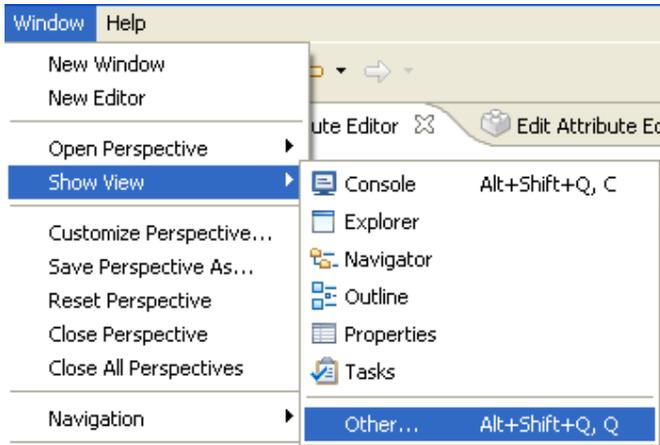
### 3.2.6 Perspectives

Change the perspective here.

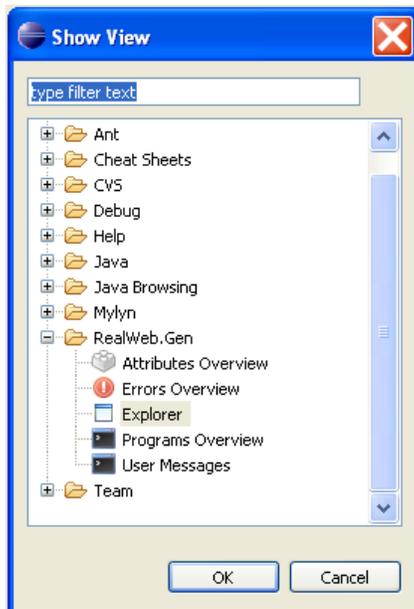
### 3.3 Show view

A view is a part of the perspective.

To open a view, go to the menu “Windows” → “Show view” → “Other...”



Open “RealWeb.gen” select the view to open and click “OK”.





## 4 Connection

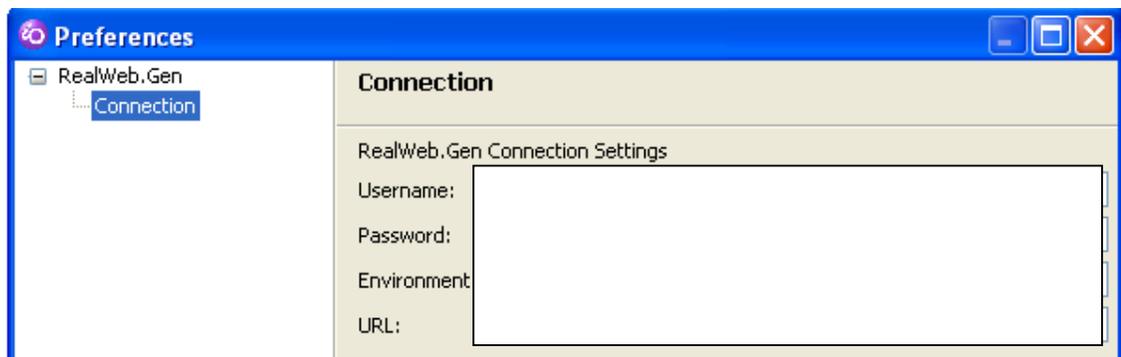
### 4.1 Connection settings

When no connection settings are defined the connection preference page will open where connection settings can also be edited.

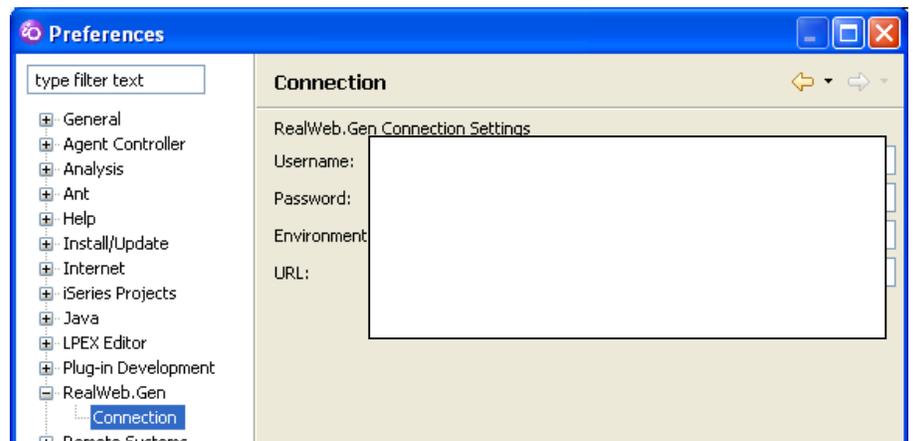
Connection settings can also be edited by opening the context menu (right click) of the top node and clicking “Connection settings...”



In this preference page the connection settings can be filled in.



The connection preferences can also be opened by going to menu “Window” → “Preferences...”. Expand “RealWeb.Gen” and click “Connection”.





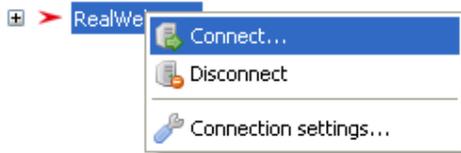
A detailed description about the configuration and setup of the plugin can be found in the Eclipse or WDSO Installation Manual, chapter 5 Connection settings (<http://iseries.realdolmen.com/RWGPlugIn/>).



## 4.2 Connect



To connect to the system either expand the top node or click “Connect” in the context menu of the top node.



## 4.3 Disconnect



To disconnect from the system click “Disconnect” in the context menu of the top node.





## 5 Access

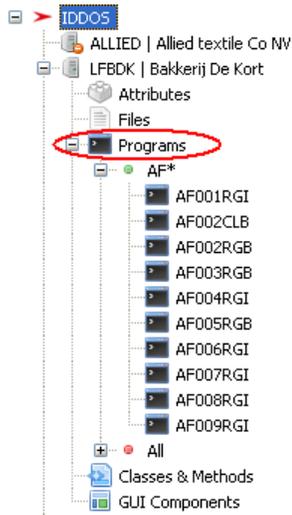
By expanding the top node all the IDDOS-systems are displayed.

Symbol	Meaning
	Access to the IDDOS system
	No access to the IDDOS system



## 6 Work with Programs

In this chapter we will discuss “Programs”.



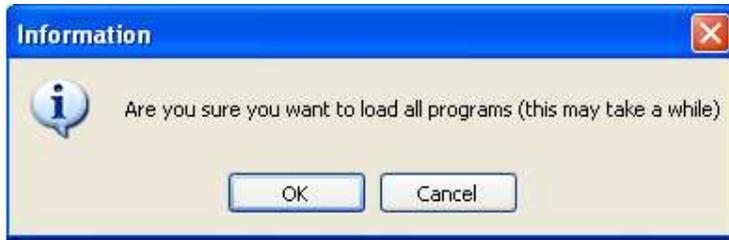
### 6.1 List programs

Programs can be listed by expanding all.

In case of a large number of programs, it can take a while before the complete list of programs is loaded. This can be avoided by creating filters which will list a subset of the programs (described in [6.4](#)



Program filter).



Click "OK" to list all programs click "Cancel" to cancel listing of programs.

When all is expanded the programs view is opened.

Program/Module Name	Subsystem	Type	Kind	Component Type	Module Indication	Program Indication	Description
AF001RGI	AF	SQLR...	I		Y	Y	Starten dagafsluiting
AF002CLB	AF	CLLE	B		N	Y	Driver dagafsluiting, files vullen + drukken lijst
AF002RGB	B5	RPGLE	B		N	Y	Driver dagafsluiting, vul bestanden - druk lijsten
AF003RGB	B5	RPGLE	B		N	Y	Driver drukken lijsten
AF004RGI	AF	RPGLE	I		N	Y	Window: Waarschuwing dagafsluiting reeds gedaan
AF005RGB	AF	SQLR...	B		N	Y	Clearen van files dagafsluiting
AF006RGI	AF	RPGLE	I		N	Y	Opnieuw drukken lijsten van dagafsluiting
AF007RGI	AF	SQLR...	I		N	Y	Window: Waarschuwing v koekenlijst reeds gemaakt
AF008RGI	AF	RPGLE	I		N	Y	Window: Kasnotities zijn nu niet afgesloten

Programs can be sorted by clicking the column headers.

## 6.2 Program properties

When a node is selected the properties of that node will be shown in the properties view in the bottom left corner.

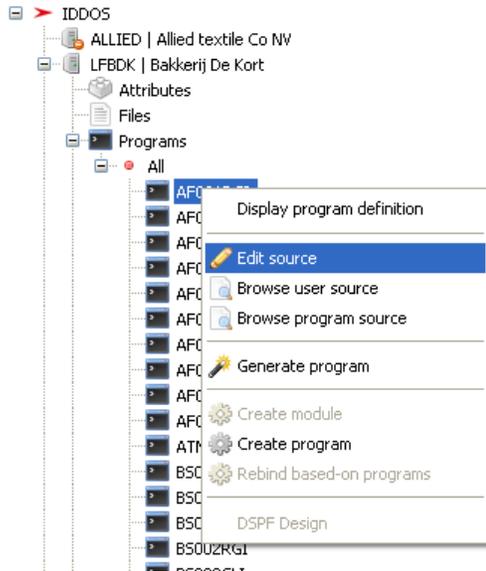
Property	Value
Component Type	L
Description	List Customers (L)
Kind	C
Module Indication	Y
Program/Module Name	WS200RGC
Program Indication	N
Subsystem	WS
Type	RPGLE

## 6.3 Program actions

Programs can be displayed, edited, browsed, generated and compiled.

### 6.3.1 Edit Source

The user source of a program can be edited by opening the context menu of a program and selecting "Edit Source". You can also get the user source by double-clicking the program node.



The <sup>1</sup>LPEX editor opens and the source can be edited.

```

AF001RGI.SQLRPGLE
Line 9      Column 67      Insert
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----
000100000000====>.* HCD Add. H-specifications
000200000000====>.* INP Add. E- and I-specifications/D-specifications
000300000000
000400000000      /DEFINE Copying_prototypes
000500000000      /INCLUDE bs999rgb
000600000000      /UNDEFINE Copying_prototypes
000700000000
000800000000      ,* af002c1b
000900000000      d date$ø      s      8a
001000000000      d wissen$ø      s      n
001100000000
001200000000      ,* or174rgi
001300000000      d kltnum$ø      s      4p 0
001400000000      d datelv$ø      s      8a
001500000000      d caller$ø      s      10a
001600000000
001700000000      d date8a      s      8a
001800000000

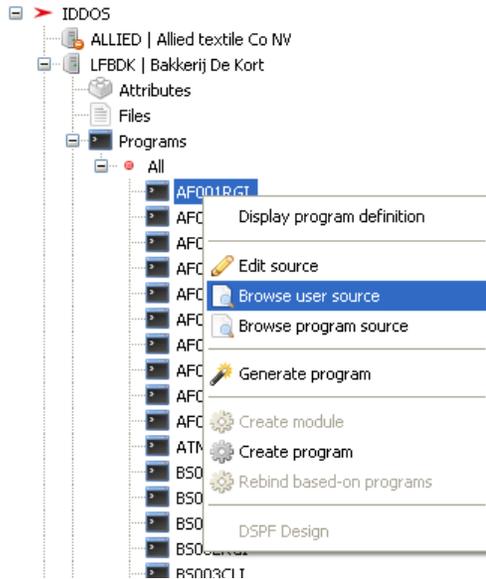
```

### 6.3.2 Browse user source

If browse source is chosen you get the user source but you can't edit the source.

When the program is a non-standard program, the "Browse user source"-item is disabled.

<sup>1</sup> LPEX (Live Parsing Extensible Editor) is a programmable editor that can be used to create and edit many kinds of files, including programs, documentation, and data files.



The editor is opened in read-only mode.

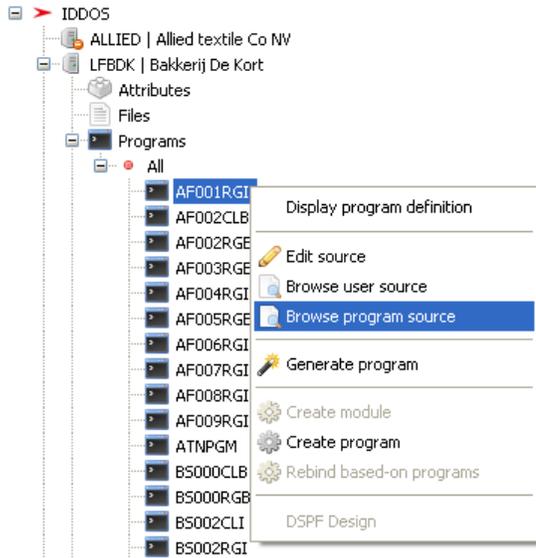
```

AF001RGI.SQLRPGLE
Line 9      Column 67      Insert
-----1-----2-----3-----4-----5-----6-----7-----8-----9-----
000100000000====>.* HCD Add. H-specifications
000200000000====>.* INP Add. E- and I-specifications/D-specifications
000300000000
000400000000      /DEFINE Copying_prototypes
000500000000      /INCLUDE bs999rgb
000600000000      /UNDEFINE Copying_prototypes
000700000000
000800000000      ,* af002clb
000900000000      d date$ø      s      8a
001000000000      d wissen$ø      s      n
001100000000
001200000000      ,* or174rgi
001300000000      d kltnum$ø      s      4p 0
001400000000      d datelv$ø      s      8a
001500000000      d caller$ø      s      10a
001600000000
001700000000      d date8a      s      8a
001800000000

```

### 6.3.3 Browse program source

If browse program source is chosen you get the complete source but you can't edit the source.



The editor is opened in read-only mode.

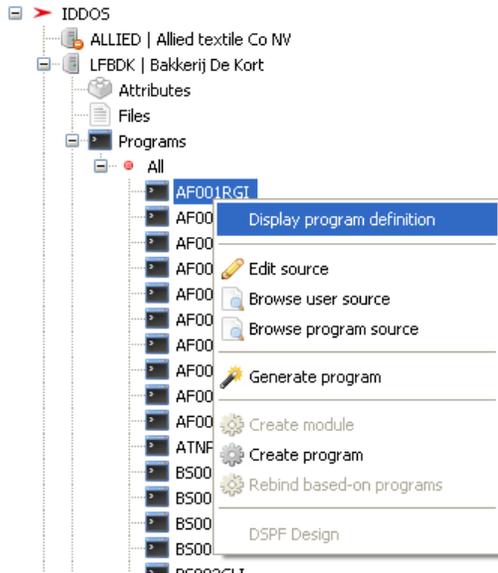
```

AF001RGI.SQRPLG
Line 1      Column 1      Insert      Browse
-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
000100000000 *****
000200000000 *
000300000000 * Description : Starten dagafsluiting
000400000000 *
000500000000 * Author : LUT
000600000000 *
000700000000 * Creation date : 16.12.03
000800000000 *
000900000000 *****
001000000000 *
001100000000 * generated by the program generator
001200000000 *
001300000000 *          iiii dddd dddd oooo ssss
001400000000 *          i d d d d o o s
001500000000 *          i d d d d o o s
001600000000 *          iiii dddd dddd oooo ssss
001700000000 *
001800000000 *          (C) COPYRIGHT Real Software N.V. 1999
001900000000 *****
002000000000
002100000000 h debug
002200000000 h datedit(*dmv/)

```

### 6.3.4 Display program definition

If the item display program definition is selected, you get the settings of the program as defined in the Iddos-environment



The program-definition-view is opened in read-only mode.

**Edit program (AF001RGI)**

Programs and Modules

Program/Module: AF001RGI

Standard:  \*YES  \*NO

Subsystem id: AF

Type: SQLRPGLE

Description: STARTEN DAGAFSLUITING

Kind: I

Exit:  \*PERM  \*TEMP  \*USER

Use IDPARM:  Y  N

ERRSFL:  Y  N

UIM:  Y  N  F  U

Module:  Y  N

Program:  Y  N  S

Activation group: QILE

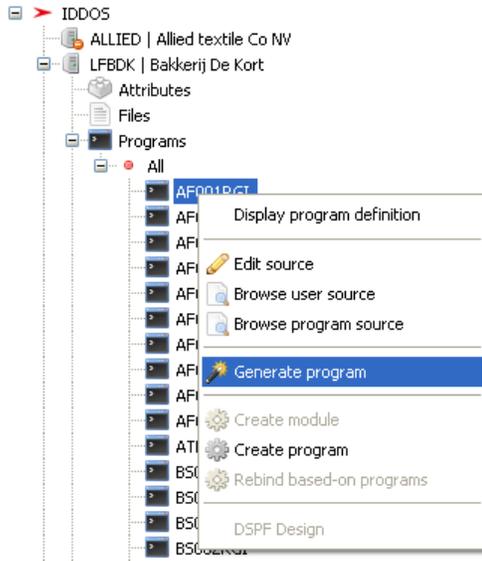
Save

### 6.3.5 Generate



The generate-menu-item submits the generation of the program source at the iSeries.

When the program is a non-standard program, the Generation-item is disabled.



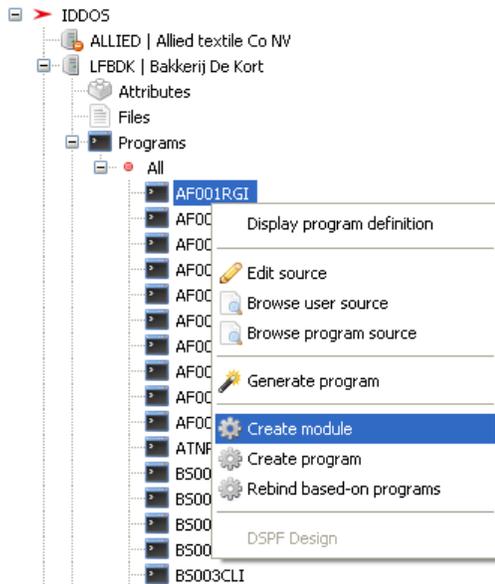
When the job is submitted, you get an information-message.



### 6.3.6 Create module

The "Create module"-menu-item submits the creation of the module at the iSeries.

When the program is not defined as a module (see program definition), "Create module"-item is disabled.



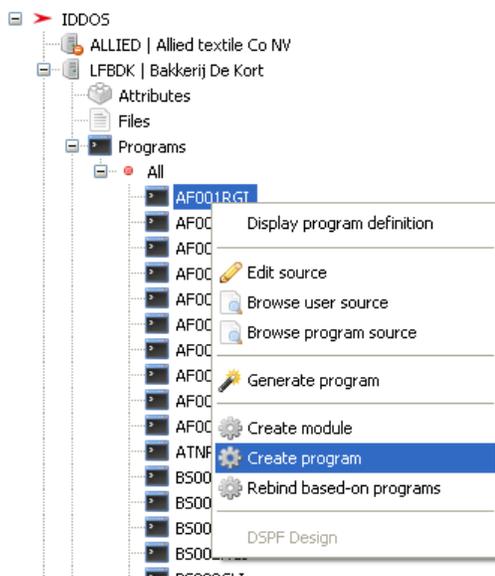
When the job is submitted, you get an information-message.



### 6.3.7 Create program

The “Create program”-menu-item submits the creation of the program or service program at the iSeries.

When the program is not defined as a program or service program (see program definition), “Create program”-item is disabled.





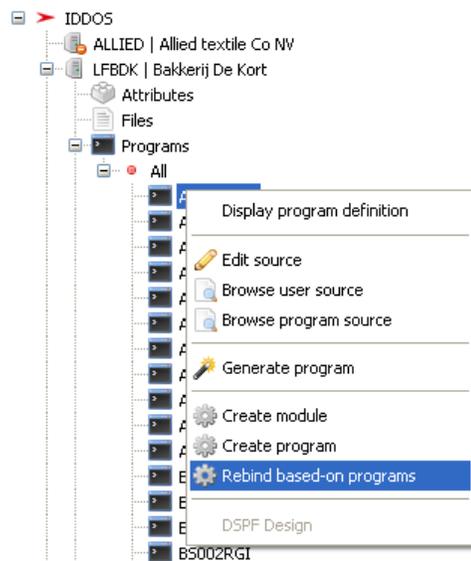
When the job is submitted, you get an information-message.



### 6.3.8 Rebind based-on programs

The “Rebind based-on programs”-menu-item submits the creation of the programs or service programs that has the selected module as “building block” at the iSeries.

When the program is not defined as a module (see program definition), “Rebind based-on programs”-item is disabled.



When the job is submitted, you get an information-message.



### 6.3.9 DSPF Design

Not yet implemented.



## 6.4 Program filter



Programs can be filtered using a program filter.



A filter can be used in case there are many programs in IDDOS to increase the performance of retrieving the list of programs.

With the filter, you create and save (as wanted) a subset of the programs.



### 6.4.1 New program filter



A new program filter can be made by opening the context menu of “Work with Programs” and clicking → “New” → “Filter”.



'Work with Programs' Filter Wizard

Filter Name:

Program:

Type:

Kind:

Component Kind:

Standard:  Yes  No  Both

Description:

Save filter:

Fill in the parameters and click “Finish”.

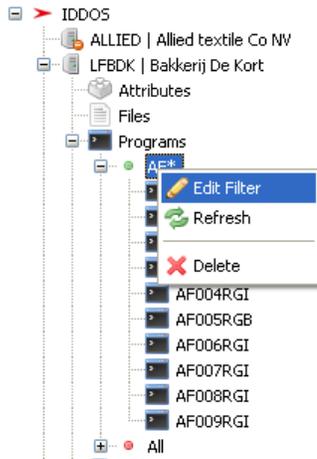
The filter will now open in the explorer and show the results.

When a filter already exists with that name the existing filter will be overwritten.



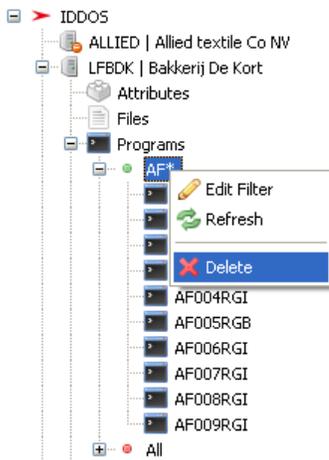
## 6.4.2 Edit program filter

Right click the filter and click “Edit Filter”. Edit the filter and click “Finish” to open the filter and show the filtered programs



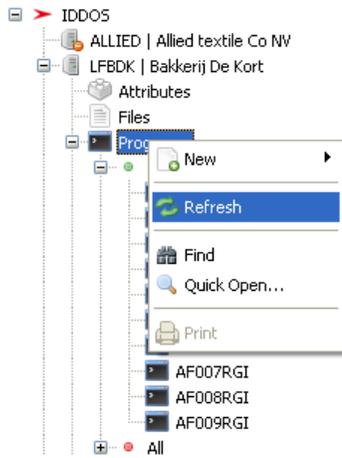
## 6.4.3 Remove program filter

A program filter can be removed by opening the context menu of a filter and clicking “Delete”.



## 6.5 Refresh

To speed up the program all the programs are cached. When an update of programs is needed open the context menu of “Programs” and select “Refresh”.

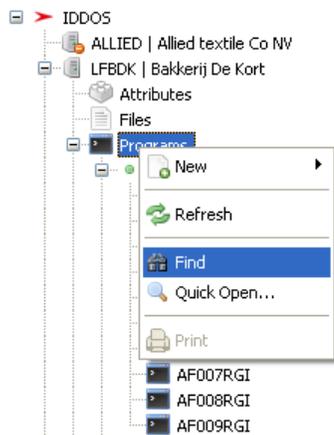


All the nodes below “Programs” will collapse and when a node is reopened the programs will be refreshed.

## 6.6 Find

If “Find” is selected in the context menu of “Programs” the “new filter wizard” will be opened. The only difference with “new Filter” functionality is that the “Save filter” checkbox is unchecked.

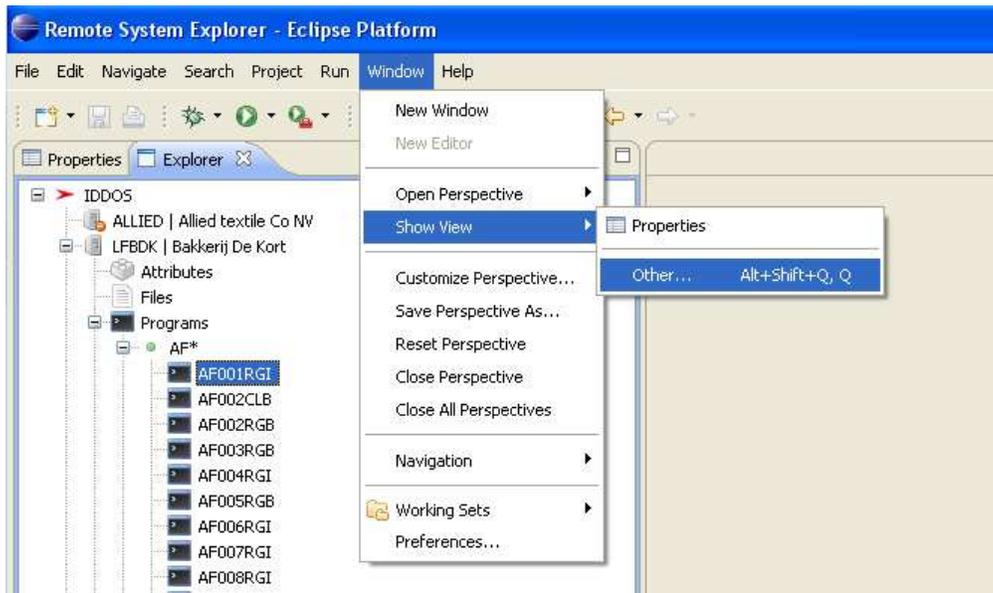
This means the filter won’t be saved to disk and is gone the next time you start Eclipse.



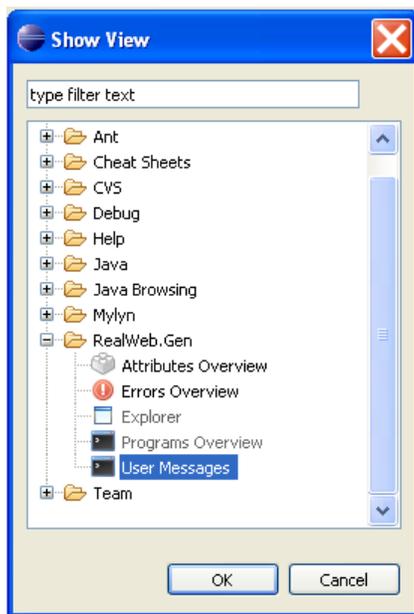
## 7 Messages

The user messages can be shown by opening the user messages view.

When the view isn’t opened by default in the perspective, you can open it by selecting the “Show view ...” and “Other ...” item on the Window-menu.



By selecting the "User Messages" ...



... and pressing "OK", the user messages view is opened at the bottom of the perspective.

Message-Id	Text
CPF9898	Job 111792/ROEL/AF001RGI completed normally on 02/10/08 at 14:28:55.
CPF9898	Abnormal termination of job 111791/ROEL/AF001RGI on 02/10/08 at 14:...
	Creation of program AF001RGI not successfull
CPF9898	Abnormal termination of job 111790/ROEL/AF001RGI on 02/10/08 at 14:...
	Creation of program AF001RGI not successfull

This is a static list of the user messages, to refresh the messages, press the refresh-button.



Message-Id	Text
CPF9898	Job 111792/ROEL/AF001RGI completed normally on 02/10/08 at 14:28:55.
CPF9898	Abnormal termination of job 111791/ROEL/AF001RGI on 02/10/08 at 14:...
	Creation of program AF001RGI not successful