



# WDSC IDDOS-PlugIn Installation manual



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# 1 Preface



This document describes the procedure to install the software (“plugin”) to allow IDDOS/RealWebGen-sources to be maintained from within Websphere Developer Studio Client (“WDSC”).



The software (or the plugin) will be further referenced with the general name “(Real)WebGen” referencing to the underlying technique and architecture used for the plugin.



There are 2 possibilities to install the plugin.



When you don’t have WDSC already installed, or you want to install a separate WDSC version, execute the steps described in Chapter 2 Installer.



When you have already installed WDSC and only want to add the plugin, execute the steps described in Chapter 3 Update mechanism.

A WebGen-server must be created to establish the communication between the client (WDSC) and the server (iSeries- Iddos-environment). This is described in Chapter 4 Setup WebGen-Server.

The configuration of the connection between WDSC and the Iddos-environment is described in Chapter 5 Connection settings.

To make sure, all the source-types of Iddos are supported by the workbench, the source-types-associations must be checked and be added as needed (Chapter 6 Source type associations).

## 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.



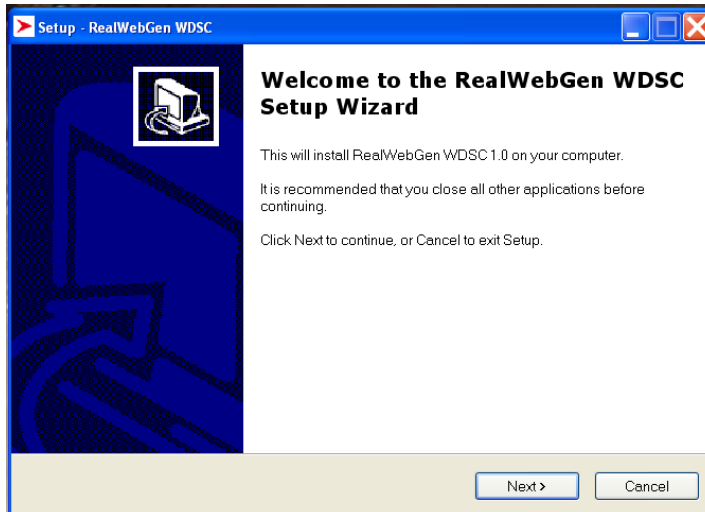
## 2 Installer

Download the installer from the website:

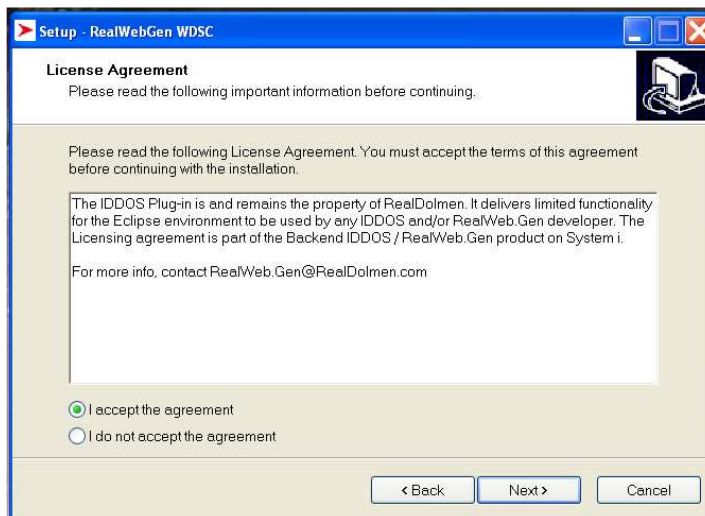
<http://iseries.realdolmen.com/RWGPlugin/Installer/RealWebGenWDSCSetup.exe>

Run the installer

Click: "Next":

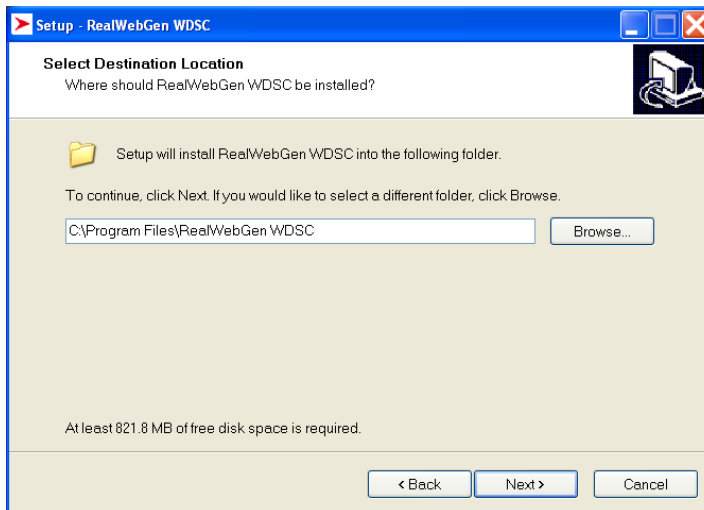


Select "I accept the agreement" and click "Next".

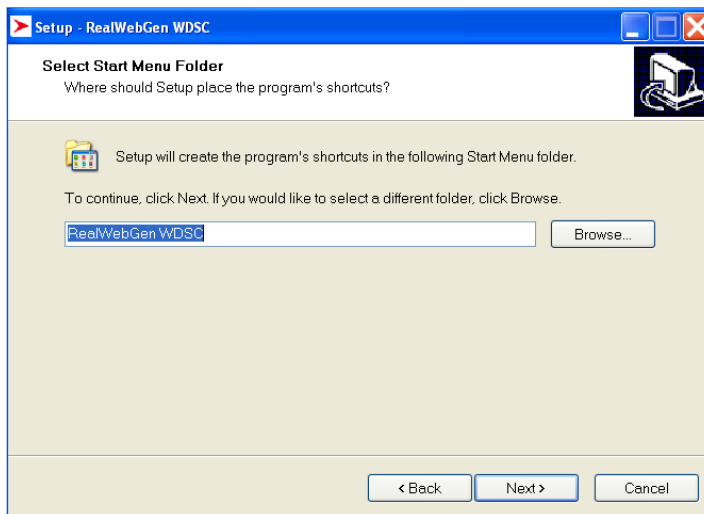




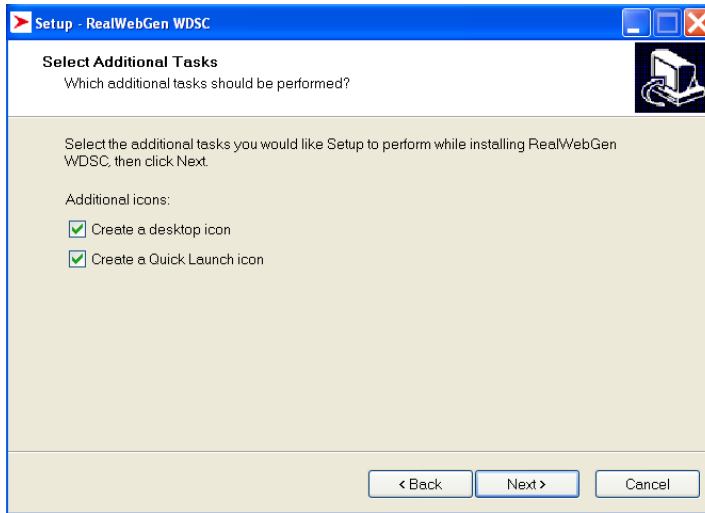
Change or keep the install directory and click "Next":



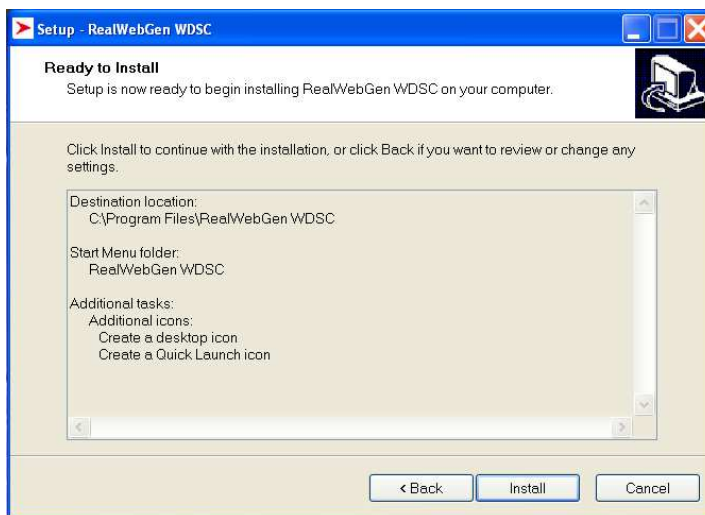
Change or keep the start menu folder name and click "Next":



Check the checkboxes if you want to create a desktop icon or quick launch icon and click "Next".

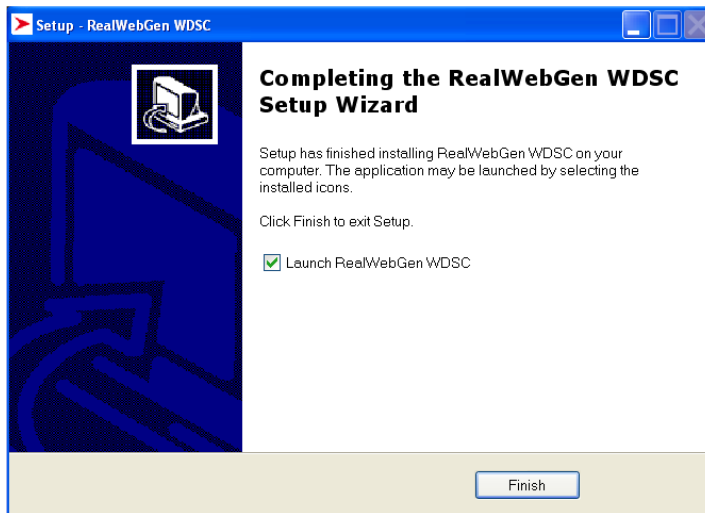


Click "Install":



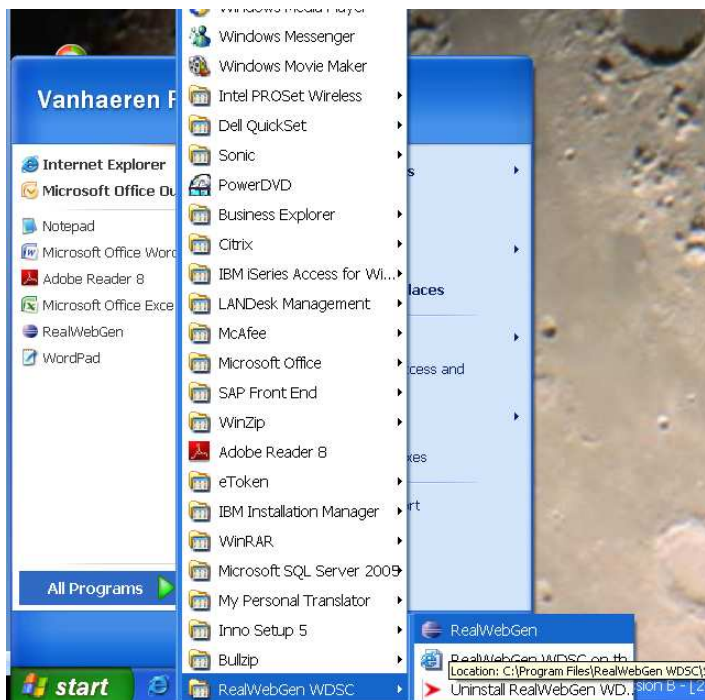
Click "Finish".

This will take a couple of minutes.



RealWebGen will now be launched.

If not, you can start RealWebGen via Start -> Programs ....



Desktop icon



or Quick launch item.



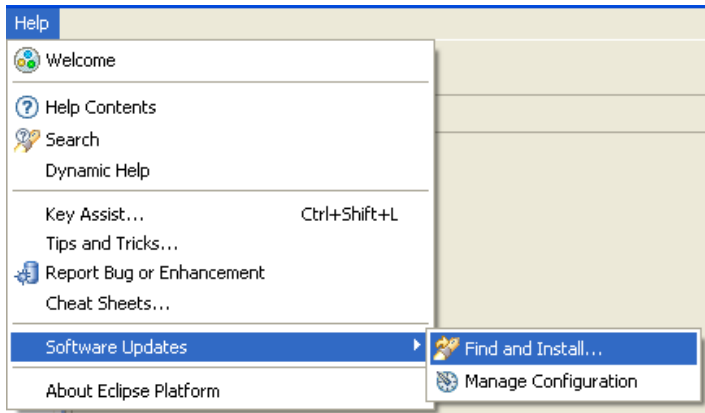




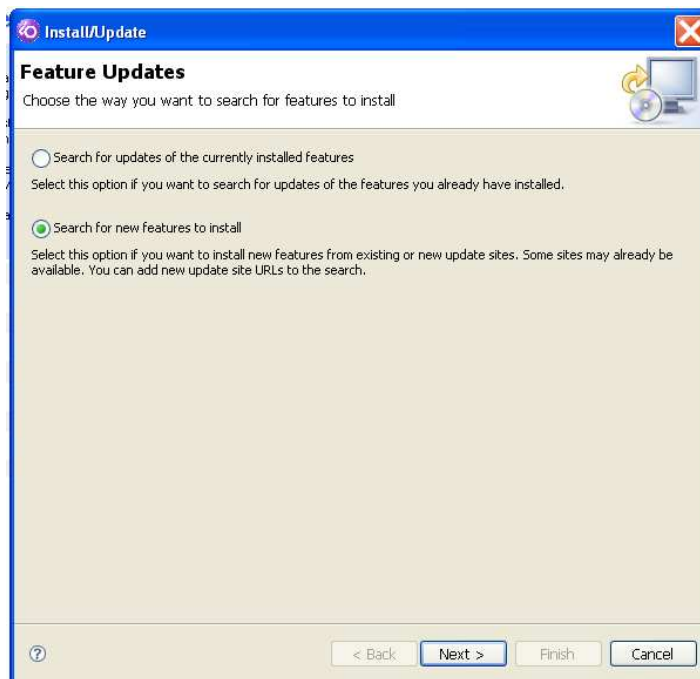
### 3 Update mechanism

Start WDSC

Go to the menu "help" -> "Software Updates" -> "Find and Install ...".



Select: "Search for new features to install".



Click the button: "New Remote Site"

Fill in the "Name" and "URL": " <http://iseries.realdolmen.com/RWGPlugin/update> " fields:



**New Update Site**

Name: RealWebGen

URL: http://http://www.iseries.realdolmen.com/RWGPlugIn/update1

OK Cancel

Check "RealWeb.gen" and click finish.

**Install**

**Update sites to visit**

Select update sites to visit while looking for new features.

Sites to include in search:

- Eclipse Modeling Framework (EMF) Updates
- Eclipse Modeling Framework Technologies (EMFT) Updates
- Europa Discovery Site
- Graphical Editing Framework (GEF) Update Site
- Model Development Tools (MDT) Updates
- Mylyn
- Mylyn Extras
- RealWebGen
- The Eclipse Project Updates
- Web Tools Platform (WTP) Updates

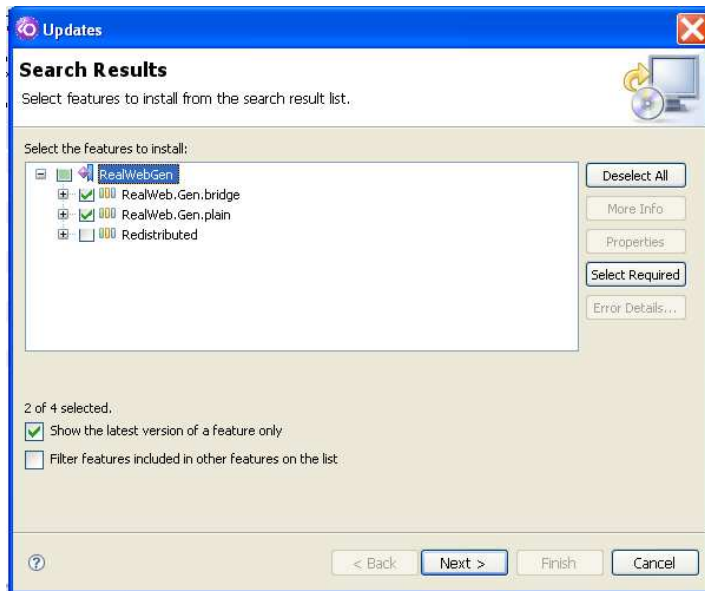
New Remote Site...  
New Local Site...  
New Archived Site...  
Edit...  
Remove  
Import sites...  
Export sites...

Ignore features not applicable to this environment  
 Automatically select mirrors

< Back Next > Finish Cancel



Click "RealWeb.Gen bridge" and "RealWeb.Gen.plain" and click "Next".

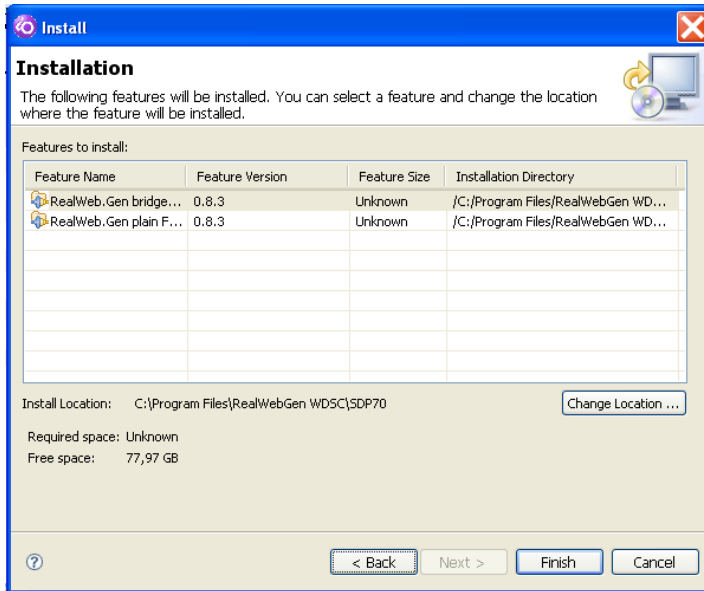


Check: "I accept the terms in the license agreements" and click "Next".

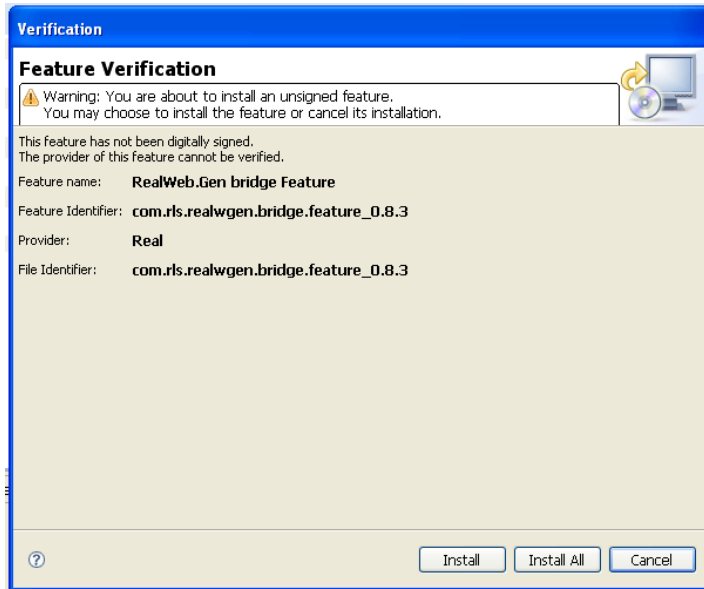




Click "Finish".



Click "Install all".



WDSC will now ask to restart, click: "Yes"



You can now open the RealWebGen perspective (See user manual)



## 4 Setup WebGen-Server

### 4.1 Description

A WebGeb-server must be set up to establish the communication between the WDSC-client and the System I – server.

In Iddos Release 13 a command is provided to create a default WebGen-Server (CRTDFTWBGS).

This command creates a basic server. This server is ready to use in combination with the plugin. Modifications can be made.

#### 4.1.1 Parameters

```

Create Default WebGen-Server (CRTDFTWBGS)

Typ waarden en druk op Enter.

Configuration name . . . . . > WEBGEN      Naam
Server path . . . . . > '/wwwserver/WebGen/'
Configuration file path . . . . . > '/wwwserver/WebGen/Conf/'
Configuration file . . . . . > httpd.conf
Port . . . . . > 8080      1-65535
JobQueue . . . . . > WEBGEN      Naam
Library . . . . . > QGPL      Naam

```

- The “Configuration name” is the name of the server-instance.
- The “Server path” is the server-main-directory. When the path doesn’t exist, the path is created on the IFS.
- The “Configuration file path” is the path where the configuration file is located. When the path doesn’t exist, the path is created on the IFS.
- The “Configuration file” is the name of the configuration file. If the file exists, a the file is saved and renamed. The saved file is named as the original file with the extension of “\_SV\_” + timestamp.
- The “Port” is the port where the WebGen-server is listening.
- The “JobQueue” is the queue where the client session are submitted. When the jobqueue doesn’t exist, the queue is created.

#### 4.1.2 Process

The directory-structure of the plugin is created on the IFS. This is the directory which the plugin uses to transfer the source from QSYS-filesystem to the workspace on the workstation.

The subsystem WEBGEN is created in QGPL. This is the subsystem where the plugin-jobs are running.

There is also a default jobdescription PLUGIN created in QGPL. This jobdescription has as associated jobqueue the jobqueue entered on the command. The initial librarylist of the jobdescription is the user-library-list retrieved



from the system values, with the IDDOSDS and IDDOSDSDTA added. This jobdescription can be modified or used as a template. The use of this jobdescription is explained in the next session (Chapter 5 Connection settings).

### 4.1.3 Startup

To start the the WebGen-Server call the program IP795CLB with a single parameter, the instance name.

```

Programma oproepen (CALL)

Typ waarden en druk op Enter.

Programma . . . . . > IP795CLB      Naam
Bibliotheek . . . . . > *LIBL      Naam, *LIBL, *CURLIB
Parameters . . . . . > 'WEBGEN'

+ voor meer waarden

Einde
F3=Afsl.  F4=Aanw.  F5=Vernieuwen  F12=Annuleren  F13=Help bij aanwijzingen
F24=Meer toetsen

```

Make sure you call the command with a QSECOFR user, and add the IDDOSDS and IDDOSDSDTA libraries to your current Library List.

### 4.1.4 Shutdown

To stop the the WebGen-Server call the program IP796CLB with a single parameter, the instance name.

```

Programma oproepen (CALL)

Typ waarden en druk op Enter.

Programma . . . . . > IP796CLB      Naam
Bibliotheek . . . . . > *LIBL      Naam, *LIBL, *CURLIB
Parameters . . . . . > 'WEBGEN'

+ voor meer waarden

Einde
F3=Afsl.  F4=Aanw.  F5=Vernieuwen  F12=Annuleren  F13=Help bij aanwijzingen
F24=Meer toetsen

```

Make sure you call the command with a QSECOFR user, and add the IDDOSDS and IDDOSDSDTA libraries to your current Library List.

### 4.1.5 Multiple Servers

There can be multiple WebGen-servers active. To start the first WebGen-Server call the program IP795CLB. All other servers can be started with STRTCPSVR \*HTTP "instance name".



Only the last server instance must be stopped with a call to the program IP796CLB.  
The others can be stopped with the command ENDTCPSPVR.



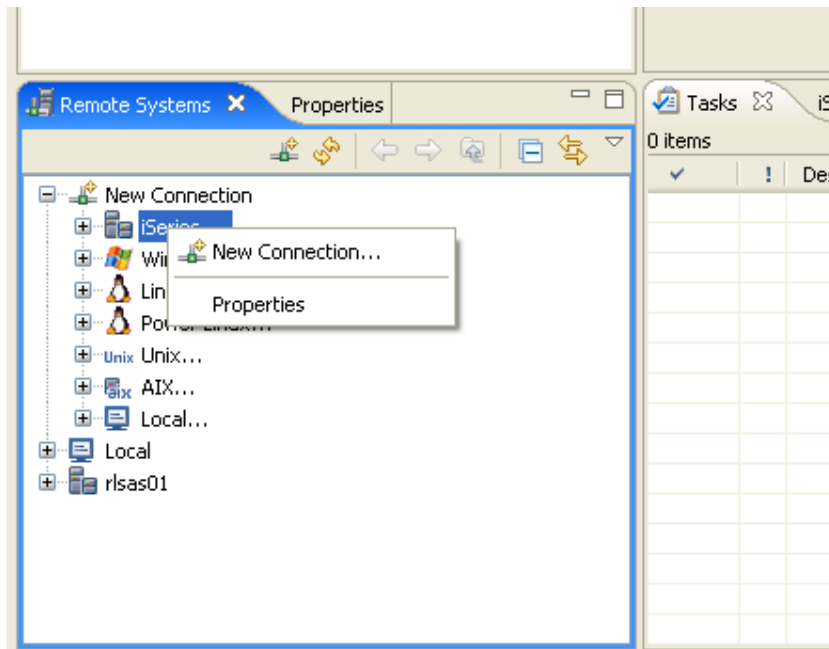


## 5 Connection settings



### 5.1 There isn't a connection with an iSeries

In the "Remote Systems" View, rightclick on iSeries and choose "New Connection..."




Fill out the "Remote iSeries System Connection" parameters and click "Next"





**New** ✕

### Remote iSeries System Connection

Define connection information 

Parent profile:  ▼

Connection name:

Host name:  ▼

Description:

Verify host name

?

The host name is the servername or IP-address of the System I you want to connect to.  
Click "Next" on the following screen to proceed

Fill out the "iSeries RealWeb.Gen Communications" parameters and click "Finish"



**New**

**iSeries RealWeb.Gen Communications**

These parameters are specific to the RealWeb.Gen components.

Port:

Location:

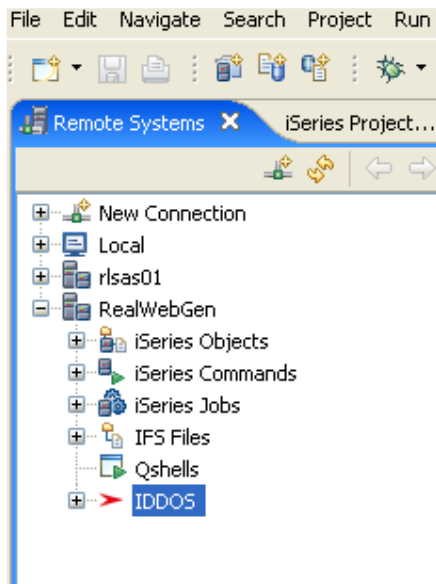
Port is the port-number where the WebGen-server is listening (Chapter 4 Setup WebGen-Server).

The “/WebGenCGI/IP700CLB.PGM” is a fixed part. WebGenCGI is the direction to the location of the program IP700CLB. This is set by the Chapter 4 Setup WebGen-Server.

IP700CLB.PGM is CGI-program which processes the incoming request from the WDSC-client at the System I.

Now you will see a RealWebGen (or whatever you named the New Connection) node in the “Remote Systems” View.

Expand this node and you will see a IDDOS node.



Rightclick on the IDDOS node and choose "Connect"

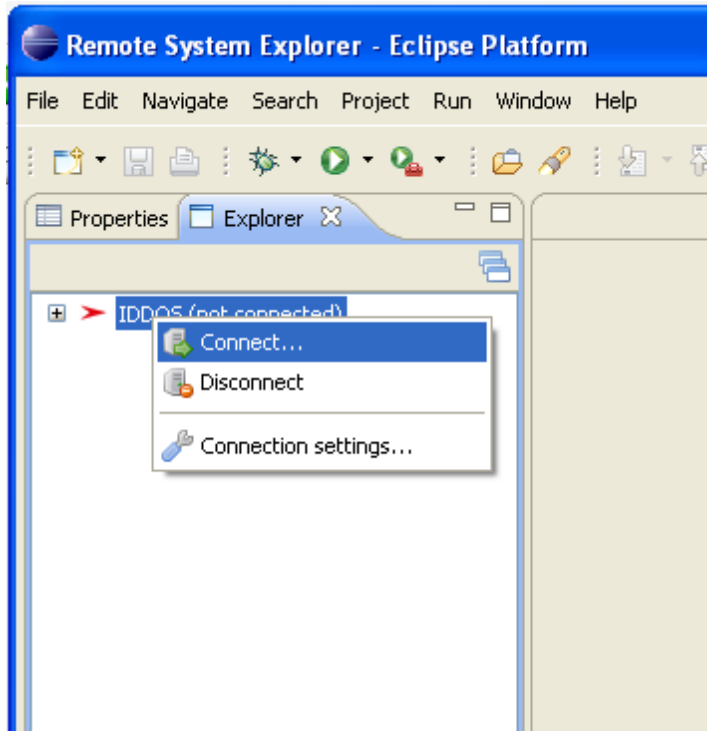


Click "OK" to finish the setup and to start working with the RealWeb.Gen plugin.

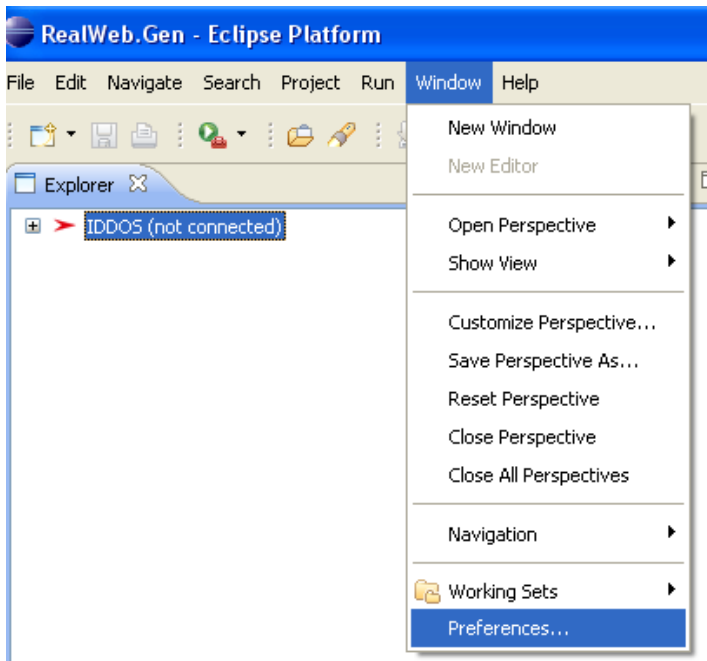
NOTE: if you can't expand the IDDOS node, rightclick on it and choose "Refresh".

## 5.2 There is already a connection with an iSeries

To establish a connection, rightclick the IDDOS-node in the tree-view and select the "Connection settings ..." -time or select the "Preferences ..." -item on the Window-menu.



Or



On the “RealWeb.Gen Connection Settings”-view you have to enter a valid user name, password, environment and the URL of the WebGen-server.

The user name and password must be a user who has access to the Iddos-environment.

The environment is the name of the jobdescription which has to be used for the session. A default jobdescription (QG/PL/PLUGIN) is created in the previous step (Chapter 4 Setup WebGen-Server).



The URL is the URL and port of the WebGen-server created in the previous step (Chapter 4 Setup WebGen-Server). The TCP/IP-address can also be used.



The <http://> - part is required. It indicates the communication is established via the http-protocol.



The “rlsas01”-part is the servername of the System I (this is NOT the instance name created in Chapter 4 Setup WebGen-Server or the Ip-address of the System I).



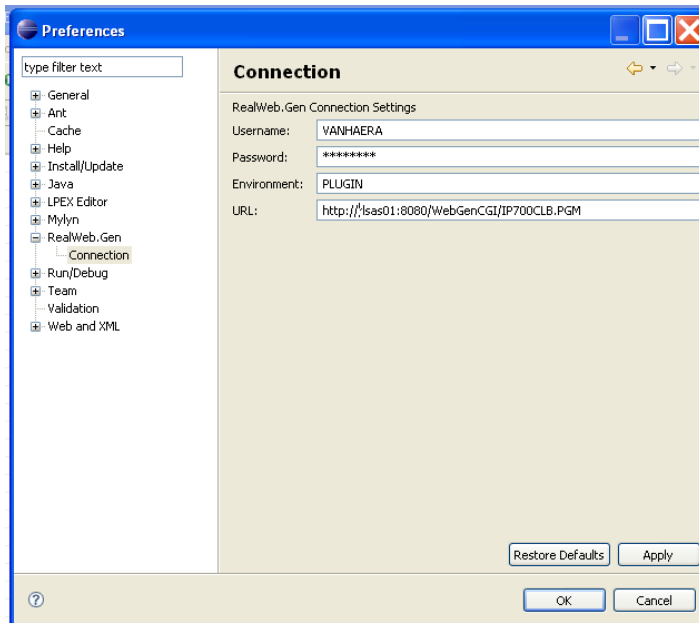
After the “:” the port-number must be added. This is the port-number where the WebGen-server is listening (Chapter 4 Setup WebGen-Server).



The “/WebGenCGI/IP700CLB.PGM” is a fixed part. WebGenCGI is the direction to the location of the program IP700CLB. This is set by the Chapter 4 Setup WebGen-Server.



IP700CLB.PGM is CGI-program which processes the incoming request from the WDSC-client at the System I.





## 6 Source type associations

### 6.1 Description

IDDOS has specific source types, which WDSC or LPEX doesn't know by default. These source types must be configured in the workbench.

All the settings are done in the Preferences-view, you can find as an item of the Window-menu.

### 6.2 General

#### 6.2.1 Editors

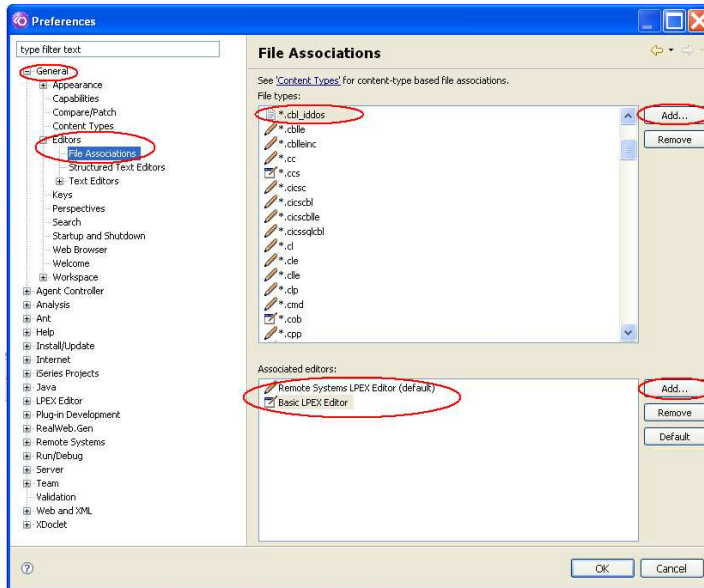
##### 6.2.1.1 File Associations

The listed file types with associated editors must be added (via the Add-button).

Table

File Types	Associated Editors
*.cbl	Remote Systems LPEX Editor (default) Basic LPEX Editor
*.cbl_iddos	Remote Systems LPEX Editor (default) Basic LPEX Editor
*.cblle	Remote Systems LPEX Editor (default) Basic LPEX Editor
*.cblle_idd	Remote Systems LPEX Editor (default) Basic LPEX Editor
*.clle	Remote Systems LPEX Editor (default)
*.clp	Remote Systems LPEX Editor (default)
*.rpg	Remote Systems LPEX Editor (default) Basic LPEX Editor
*.rpg_iddos	Remote Systems LPEX Editor (default) Basic LPEX Editor
*.rpgle	Remote Systems LPEX Editor (default)
*.rpgle_idd	Remote Systems LPEX Editor (default)
*.sqlcbl	Remote Systems LPEX Editor (default)
*.sqlcblle	Remote Systems LPEX Editor (default)
*.sqlrpg	Remote Systems LPEX Editor (default)
*.sqlrpgle	Remote Systems LPEX Editor (default)

#### View



## 6.3 LPEX Editor

### 6.3.1 Parsers

#### 6.3.1.1 Parser Associations

The listed document types with associated document parser must be added (with textbox and dropdownbox).

**Table**

Document Type	Document Parser
CBL	cobol400SqlCics
cbl	cobol400SqlCics
CBL_IDDOS	cobol400SqlCics
cbl_iddos	cobol400SqlCics
CBLLE	ILEcobolSqlCics
cblle	ILEcobolSqlCics
CBLLE_IDD	ILEcobolSqlCics
cblle_idd	ILEcobolSqlCics
CLLE	cl
clle	cl
CLP	cl
clp	cl
RPG	rpg
rpg	rpg
RPG_IDDOS	rpg
rpg_iddos	rpg
RPGLE	ILERpg



rpgle	ILERpg
RPGLE_IDD	ILERpg
rpgle_idd	ILERpg
SQLCBL	cobol400SqlCics
sqlcbl	cobol400SqlCics
SQLCBLLE	ILEcobolSqlCics
sqlcblle	ILEcobolSqlCics
SQLRPG	rpg
sqlrpg	rpg
SQLRPGLE	ILERpgSql
sqlrpgle	ILERpgSql

## View

