

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 underlaying 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 assiociations).

1.1 Remark

When an URL in this document is mentioned as <u>www.iseries.realdolmen.com</u>, <u>iseries.realdolmen.com</u> (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".

Please read the following important information before continuing. Please read the following License Agreement. You must accept the terms of this agree before continuing with the installation. The IDDOS Plug-in is and remains the property of RealDolmen. It delivers limited funct for the Eclipse environment to be used by any IDDOS and/or RealWeb.Gen develope Licensing agreement is part of the Backend IDDOS / RealWeb.Gen product on Syster For more info, contact RealWeb.Gen@RealDolmen.com	ng License Agreement. You must accept the terms of this agreeme is installation. Ind remains the property of RealDolmen. It delivers limited function nent to be used by any IDDOS and/or RealWeb.Gen developer.
before continuing with the installation. The IDDOS Plug-in is and remains the property of RealDolmen. It delivers limited funct for the Eclipse environment to be used by any IDDOS and/or RealWeb.Gen develope Licensing agreement is part of the Backend IDDOS / RealWeb.Gen product on Syster	e installation. Ind remains the property of RealDolmen. It delivers limited function nent to be used by any IDDOS and/or RealWeb Gen developer.
or the Eclipse environment to be used by any IDDOS and/or RealWeb.Gen develope Licensing agreement is part of the Backend IDDOS / RealWeb.Gen product on Syster	nent to be used by any IDDOS and/or RealWeb.Gen developer.
For more info, contact RealWeb.Gen@RealDolmen.com	
	tealWeb.Gen@RealDolmen.com
I accept the agreement	
) I do not accept the agreement	ant



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

► Setup - RealWebGen WDSC	
Select Destination Location Where should RealWebGen WDSC be ins	talled?
📁 Setup will install RealWebGen WD	ISC into the following folder.
To continue, click Next. If you would like to :	select a different folder, click Browse.
C:\Program Files\RealWebGen WDSC	Browse
At least 821.8 MB of free disk space is requ	iired.
	Kext Next Cancel

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

▶ Setup - RealWebGen WDSC
Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
RealWebGen WDSC Browse
< Back Next > Cancel

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





▶ Setup - RealWebGen WDSC
Select Additional Tasks Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing RealWebGen WDSC, then click Next. Additional icons: ✔ Create a desktop icon ✔ Create a Ouick Launch icon
< Back Next > Cancel

Click "Install":

Setup - RealWebGen WDSC	
Ready to Install Setup is now ready to begin ins	talling RealWebGen WDSC on your computer.
Click Install to continue with the i settings.	installation, or click Back if you want to review or change any
Destination location: C:\Program Files\RealWeb Start Menu folder: RealWebGen WDSC	Gen WDSC.
Additional tasks: Additional icons: Create a desktop icon Create a Quick Launch ico	n
5	× >
	K Back Install Cancel

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 ...".

Help		
🚳 Welcome		
(?) Help Contents		
💯 Search		
Dynamic Help		
Key Assist	Ctrl+Shift+L	
Tips and Tricks		
🎣 Report Bug or Enhancement		
Cheat Sheets		
Software Updates	۱.	🔗 Find and Install
About Eclipse Platform		Nanage Configuration
		1

Select: "Search for new features to install".

Feature Updates Image: Choose the way you want to search for features to install Search for updates of the currently installed features Select this option if you want to search for updates of the features you already have installed. Search for new features to install Select this option if you want to install new features from existing or new update sites. Some sites may already be available.
 Search for updates of the currently installed features Select this option if you want to search for updates of the features you already have installed. Search for new features to install Select this option if you want to install new features from existing or new update sites. Some sites may already be
avanaule, ruu can auu new upuate site ukus tu the search.
Rack Next > Pinish Cancel

Click the button: "New Remote Site"

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







Check "RealWeb.gen" and click finish.

🛢 Install	
pdate sites to visit Select update sites to visit while looking for new features.	8
Sites to include in search:	
C A Eclipse Modeling Framework (EMF) Updates	New Remote Site
General Content of the second se	New Local Site
Graphical Editing Framework (GEF) Update Site	New Archived Site
🔲 🝕 Mylyn Extras	Edit
RealWebGen M The Eclipse Project Updates Web Tools Platform (WTP) Updates	Remove
	Import sites
	Export sites
✓ Ignore features not applicable to this environment	Export sites
Automatically select mirrors C C C C C C C C C C C C C	Finish Cancel



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

Select the features to install: □ □ ④ RealWebGen □ □ ₩ Win RealWeb.Gen.bridge	
⊕ v 000 RealWeb.Gen.plain ⊕ 1000 Redistributed	Deselect All More Info Properties Select Required Error Details
2 of 4 selected. ✔ Show the latest version of a feature only	

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

🧿 Install	
Feature License Some of the features have license with the installation.	agreements that you need to accept before proceeding
RealWeb.Gen bridge Feature 0.8. RealWeb.Gen plain Feature 0.8.3	
0	< Back Next > Finish Cancel



Click "Finish".

🧿 Install			X
Installation			
The following features wil where the feature will be		lect a feature a	and change the location
Features to install:			
Feature Name	Feature Version	Feature Size	Installation Directory
RealWeb.Gen bridge	0.8.3	Unknown	/C:/Program Files/RealWebGen WD
RealWeb.Gen plain F	0.8.3	Unknown	/C:/Program Files/RealWebGen WD
Install Location: C:\Progra	am Files\RealWebGen WDSC	\SDP70	Change Location
Required space: Unknown Free space: 77,97 GB			
0		< Back	lext > Finish Cancel

Click "Install all".

Verification			
Feature Verification			
Warning: You are about to install an unsigned feature. You may choose to install the feature or cancel its installation.			
This feature has no The provider of thi	ot been digitally signed. is feature cannot be verified.		
Feature name:	RealWeb.Gen bridge Feature		
Feature Identifier:	com.rls.realwgen.bridge.feature_0.8.3		
Provider:	Real		
File Identifier:	com.rls.realwgen.bridge.feature_0.8.3		
?	Install Install All Cancel		

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

linstall/Updat	e	
	ed to restart the IBM Websphere Development Studio Clieni the changes to take effect. Would you like to restart now? Yes N	t for

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	<u>QGPL</u> 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.

Programm	a 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	<u>*LIBL</u> Naam, *LIBL, *CURLIB		
F3=Afsl. F4=Aanw. F5=Vernieuwen	Einde 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 ENDTCPSVR.





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..."

📲 Remote Systems 🗙 Properties 📃 🗆	🖉 Tasks 🖾 🛛 iSe
(> ↔ @ 🖻 🔄 🗸	0 items
Image: Service Image:	✓ ! Des

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



Φ
Q
¥

loo New	X
Remote iSeries Define connection inl	System Connection
<u>P</u> arent profile:	RLSA501
Connection name:	RealWebGen
Host name:	RLSA501
Description:	
⊻ ⊻erify host nam	e
0	< Back Next > Einish Cancel

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		
	ealWeb.Gen Communications meters are specific to the RealWeb.Gen components.	_
Port:	8080	
	/WebGenCGI/IP700CLB.PGM	
0	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish	Cancel

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 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.





I

File	Edit	Navigate	Search	Project	Run
	•	a 📤 🗄	😭 E g	0 \$ { :	妗 -
H	Remo	te Systems	× iš	5eries Pro	ject
			÷	୍ଷ 🖓	>
Ð	- 🗳 P	New Connec	tion:		
Ē	📃 L	.ocal			
Ē.	🔚 r	lsas01			
ė	🖻 📲 RealWebGen				
	iSeries Objects				
iSeries Commands					
iSeries Jobs					
🗄 🖧 IFS Files					

Rightclick on the IDDOS node and choose "Connect"

🕫 Enter Password 🛛 🔀		
System type: Host name:		
<u>U</u> ser ID:	PLUGIN	
Password:		
	<u>S</u> ave user ID	
	S <u>a</u> ve password	
	OK Cancel	

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

 \overrightarrow{V}

() (⊂) (*) (*)

🟶 RealWeb.Gen - Eclipse Platform	
File Edit Navigate Search Project Run	Window Help
i 📬 • 🔛 🖻 i 💁 • i 🔑 🔗 i ∮	New Window New Editor
■ ➤ IDDOS (not connected)	Open Perspective
	Customize Perspective Save Perspective As Reset Perspective Close Perspective Close All Perspectives
	Navigation
	Preferences

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 (QGPL/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 <u>http://</u> - 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.

Preferences			
type filter text	Connection		⇔ - ⇔
type filter text G - General Ant Cache Help Tostal/Update D Java E - LPEX Editor Connection RealWeb.Gen Connection RealWeb.Gen Validation W - Validation W - Validation		ion Connection Settings VANHAERA ******** PLUGIN http:///isas01:8080/WebGenCGI/IP700CLB.PGM	
		Restore Default	s Apply
0		ОК	Cancel





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

type filter text	Parser Asso	Parser Associations			
⊞ General					
Agent Controller	Document Type	Document Parser	~		
E Analysis	LXL	rexx			
🗈 Ant	MAC	pli			
🗈 Help	MNUDDS	dds			
Install/Update	PF	dds			
 Internet 	PF4	dds			
 iSeries Projects 	PF400	dds			
🗈 Java	PLI	pl			
E LPEX Editor	PRO	prop			
Appearance	PRT	dds			
Block	PRTF	dds			
Compare	PRTF400	dds			
- Controls	REX	rexx			
	RPG RPG36	rpg			
Find Text	RPG36 RPG38	rpg			
Parsers	RPG38 RPGLE	rpg ILErpg			
Parser Associations	RPGLEINC	ILErpg ILErpg			
Parser Styles	RPGLE_IDD	ILErpg			
- Print	RPG IDDOS	rpg			
Save	SIR	ILErpgSql	5	et	
Tabs	SOC	cppSql		_	
- User Actions	SQL	sql	V Del	lete	
User Commands	Lanian.	h transition		_	
User Key Actions	Deement type	RPGLE IDD			
User Mouse Actions				5	
User Profile	Document parser	ILErpg	¥	÷.,	
Plug-in Development					
RealWeb.Gen					
E Remote Systems					
Run/Debug					
Server					
Team					
Validation					
Web and XML					
		Reset	Restore Defaults Appl	ly	
XDoclet			[<u>.</u>	

