

IBM® DB2® Web Query for i™ 5733QU2 Install Instructions – Version 1.1.2 (2/14/2012 update)

This document contains the instructions for installation and setup of DB2 Web Query, 5733QU2, version 1.1.2. It is recommended that the steps be completed in the order listed. All steps should be performed under the sign on of QSECOFR or a user with *SECADM and *ALLOBJ authority.

1. Install prerequisite products, options, and PTFs

Review the 5733QU2 prerequisite programs, options and PTFs listed in Sections 1 and 2 of Info APAR II14608, and **verify** that all prerequisites are installed for your version of IBM i. The APAR is located at http://www-912.ibm.com/n_dir/nas4apar.nsf/c79815e083182fec862564c00079d117/d3ec4f2f1408162c862577f30041ebe9?OpenDocument.

2. Restore the DB2 Web Query licensed program

The IBM i standard and keyed media set includes DB2 Web Query. The 5733QU2 base product and all options, except Developer Workbench (option 3), are included on one disc; Developer Workbench is on a separate disc. If your Web Query discs are older than 1.1.2, order a new copy or download it from ESS. The 1.1.2 discs are identified by the following label information.

```
System_i5
DB2 Web Query for i
5733-QU2 R01M02
5733-QU3 R01M02,5733-QU4 R01M02,5639-ZC1
F_MULTI_NLV
LMB0-6639-00
```

```
System_i5
DB2 Web Query for i
5733-QU2 R01M02
Developer Workbench
F2924_01
LMB0-6622-00
```

To install the base product and optional features, use the Restore Licensed Program (RSTLICPGM) command. Example commands are shown below. Substitute OPT01 with your optical drive. For each restore command, read the license agreement and press F14 to accept it.

- RSTLICPGM LICPGM(5733QU2) DEV(OPT01) – **Base product**
- RSTLICPGM LICPGM(5733QU2) DEV(OPT01) OPTION(1) – **Active Technologies**
- RSTLICPGM LICPGM(5733QU2) DEV(OPT01) OPTION(2) – **OLAP enablement**
- RSTLICPGM LICPGM(5733QU2) DEV(OPT01) OPTION(3) – **Developer Workbench**
(Reminder: This option is on a separate disc.)
- RSTLICPGM LICPGM(5733QU2) DEV(OPT01) OPTION(4) – **Run Time User Enablement**
- RSTLICPGM LICPGM(5733QU2) DEV(OPT01) OPTION(5) – **Spreadsheet Client**
- RSTLICPGM LICPGM(5733QU2) DEV(OPT01) OPTION(6) – **Adapter for Microsoft® SQL Server®**
- RSTLICPGM LICPGM(5733QU2) DEV(OPT01) OPTION(7) – **Adapter for Oracle's JD Edwards**

- RSTLICPGM LICPGM(5733QU3) DEV(OPT01) – **Report Broker**
- RSTLICPGM LICPGM(5733QU4) DEV(OPT01) – **Software Developer Kit with Application Extension**

3. Set a password for the QWEBQRYADM profile

When the product is installed, it creates a user profile QWEBQRYADM with no password. Set a password for the profile using the command CHGUSRPRF USRPRF(QWEBQRYADM) PASSWORD(<yourpwd>). Failure to do so will prevent any users from successfully logging into DB2 Web Query.

4. Configure the features

If you restored any of the optional features, additional steps are needed to configure the feature.

- **Developer Workbench:**
For each PC that will run Developer Workbench, copy the installation file from the IBM i to the PC, and then run the file on the PC. The installation file can be copied by FTPing it to the PC or mapping a drive from the PC to the IFS. The file is located in the IFS at /QIBM/ProdData/webquery/ibi/DeveloperWorkBench/WfDevStudio770xi.exe where *x* is the highest number you see.
- **Run Time User Enablement:**
For details on this option, refer to https://www.ibm.com/developerworks/mydeveloperworks/wikis/home?lang=en#/wiki/W516d8b60d32c_4fc5_a811_5f3d840bf524/page/Run%20Time%20User%20Enablement.
- **Spreadsheet Client:**
To setup and configure this option, refer to https://www.ibm.com/developerworks/mydeveloperworks/wikis/home?lang=en#/wiki/W516d8b60d32c_4fc5_a811_5f3d840bf524/page/Spreadsheet%20Client.
- **Adapter for Microsoft® SQL Server®**
To setup and configure this option, refer to https://www.ibm.com/developerworks/mydeveloperworks/wikis/home?lang=en#/wiki/W516d8b60d32c_4fc5_a811_5f3d840bf524/page/Microsoft%20SQL%20Server%20Adapter.
- **Adapter for Oracle's JD Edwards:**
To setup and configure this option, refer to https://www.ibm.com/developerworks/mydeveloperworks/wikis/home?lang=en#/wiki/W516d8b60d32c_4fc5_a811_5f3d840bf524/page/JD%20Edwards%20Application%20Adapter.
- **Report Broker:**
To setup and configure this option, refer to <https://www.ibm.com/developerworks/mydeveloperworks/wikis/form/anonymous/api/library/96f36e44-b59d-40c8-8efb-e3267e86b310/document/15811fdd-2787-4306-b88d-7daca5ebf97a/attachment/540d0c8b-a4d5-4f2e-acc9-bdb9ccd27edf/media/db2%20web%20query%20report%20broker%20112%20install.pdf>.
- **Application Extension (part of the Software Development Kit):**
To setup and configure this option, refer to https://www.ibm.com/developerworks/mydeveloperworks/wikis/home?lang=en#/wiki/W516d8b60d32c_4fc5_a811_5f3d840bf524/page/Application%20Extension.

Details on product features can be found in the Getting Started with DB2 Web Query Redbook at <http://www.redbooks.ibm.com/abstracts/sg247214.html?Open>.

5. Add license keys

Add license keys for the base product and each optional feature using the Add License Key Information (ADDLICENSE) command.

6. Install latest PTF Group for Web Query

Install the 5733QU2 group PTF listed in Section 3 of Info APAR II14608. Note that you only need to install the one group that matches your OS level. The APAR is located at http://www-912.ibm.com/n_dir/nas4apar.nsf/c79815e083182fec862564c00079d117/d3ec4f2f1408162c862577f30041ebe9?OpenDocument.

7. Add licensed users

Use the Work with Web Query (WRKWEBQRY) tool to add and remove licensed users. To add a licensed user, enter WRKWEBQRY, select option 5, and specify the user ID and user type.

For starters, add one licensed user who will be an administrator of DB2 Web Query. Additional licensed users can be added now or at a later time for those named users who will also be administrators or who will be developers or users of Web Query reports. For more details, refer to Chapter 3 of the Getting Started with DB2 Web Query Redbook at <http://www.redbooks.ibm.com/abstracts/sg247214.html?Open>.

If you wish to display a list of licensed users that were added, enter WRKLCINF PRDID(5733QU2), and select option 8 for feature 5050.

8. Starting and Ending DB2 Web Query

To start and end DB2 Web Query, use option 1 of the Work with Web Query (WRKWEBQRY) tool. Alternatively, you can use the Start Web Query (STRWEBQRY) and End Web Query (ENDWEBQRY) commands.

The installation and setup of DB2 Web Query is now complete and you are ready to create and run reports. Refer to the Getting Started with DB2 Web Query Redbook for fundamentals and a tutorial on how to use Web Query. You can also refer to the My developerWorks group at <https://www.ibm.com/developerworks/mydeveloperworks/groups/service/html/communityview?communityUuid=a27ca741-84c1-4010-96b0-ef383f3ca6fb> for links to a user forum, a wiki with the latest support information and feature articles, and other getting started information.

APPENDIX A: NLS Configuration

Follow the instructions in this appendix if you wish to configure Web Query for any of these:

- Language other than English
- NLS settings such as
 1. Setting the default currency symbol
 2. Setting the default numeric formatting

The Web Query user interface currently supports the following languages:

Arabic-2954
Brazilian-Portuguese-2980
Chinese-Simplified-2989
Chinese-Traditional-2987
Croatian-2912
Czech-2975
Danish-2926
Dutch-2923
Dutch-Belgium-2963
English-2924
English DBCS-2984
English Uppercase DBCS-2938
Finnish-2925
French-2928
French-Belgium-2966
French-MNCS-2940
French Canadian-2981
German-2929
German-MNCS-2939
Hebrew-2961
Hungarian-2976
Italian-2932
Italian-MNCS-2942
Japanese-Upper/Lower-2930
Japanese-DBCS-2962
Korean-2986
Norwegian-2933
Polish-2978
Portuguese-2922
Portuguese-MNCS-2996
Romanian-2992
Russian-2979
Slovakian-2994
Spanish-2931
Swedish-2937
Turkish-2956

Post installation steps for NLS configuration

Step 1:

The Web Query server's code page should correspond to the CCSID of the majority of your data to reduce data conversion and avoid possible corruption in reports. If one of the following conditions apply, set the CCSID in the QWEBQRYADM profile to override the default system CCSID for server jobs:

- The default system CCSID is 65535.
- The default system CCSID is different than the CCSID of the data accessed by your reports.

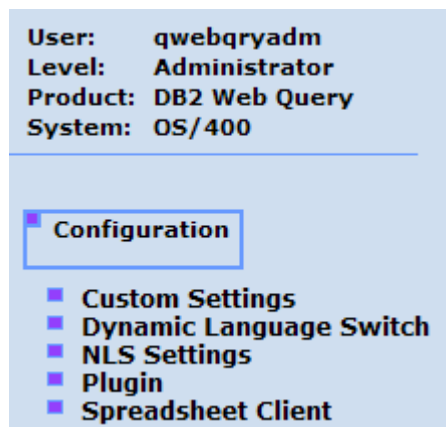
To check the value of the default system CCSID, use the command: DSPSYSVAL QCCSID.

To set the CCSID in the QWEBQRYADM profile, use the CHGUSRPRF command. Here is an example command for Japanese CCSID 939:

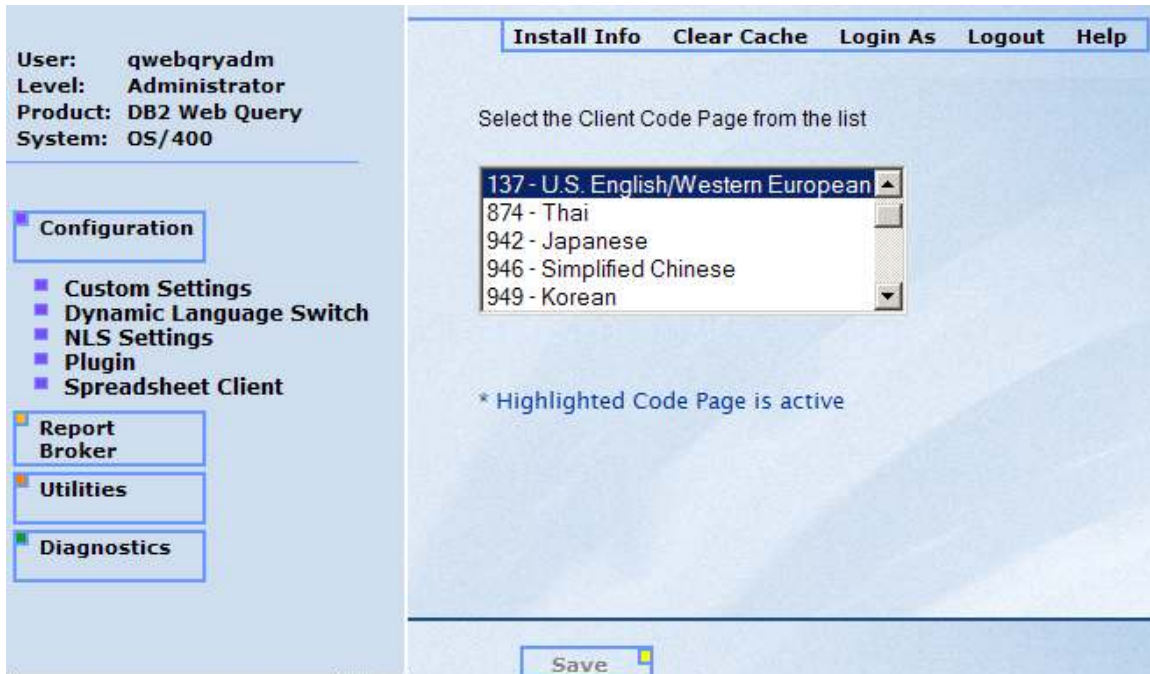
```
CHGUSRPRF USRPRF(QWEBQRYADM) CCSID(939)
```

Step 2:

Go to URL http://sysname:11331/webquery_html/wfconsole.htm. Login to the DB2 Web Query administrator's console with the **QWEBQRYADM** user ID. (If you do not use this ID, the configuration options will not be displayed.) Click on the Configuration Section:



Click on NLS Settings, and select the client code page to be used. See Appendix B for more information on choosing the client code page.



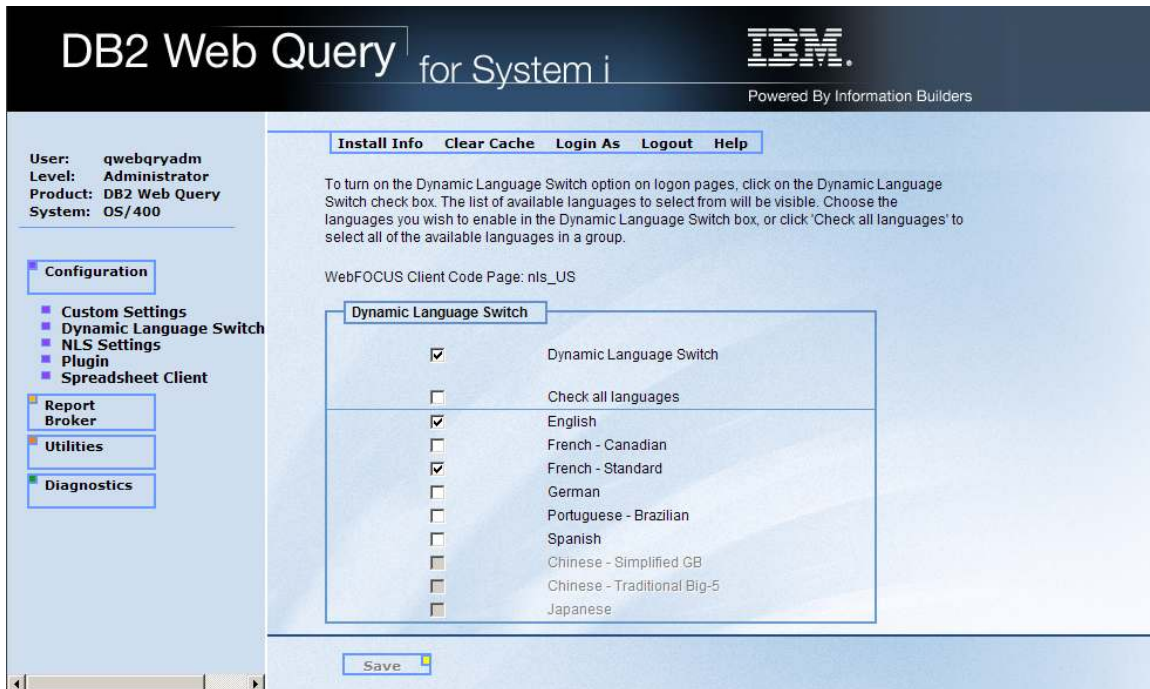
Click on Save to apply the change to the configuration.

Step 3: Enable the languages for the drop-down list

Click on Dynamic Language Switch. This switch enables the drop down language list on the Web Query logon page at <http://<yoursystem>:11331/webquery>. You can also enable the selection of languages that will appear on the drop down list, which will be used for the DB2 Web Query User tools and GUI.

In the Dynamic Language Switch window, the languages shipped with DB2 Web Query are displayed. By default, the Dynamic Language Switch and the language check boxes are unchecked. Click the Dynamic Language Switch check box to enable it. Doing so activates the Enable option check boxes for all languages and turns on the Select Language button on all logon pages. The default language (English) is automatically enabled. Click the check boxes for additional languages you want to appear in the Select Language drop-down list on logon pages.

Once you select a language, only those that share the same character encoding will be available to be enabled. For example, Asian languages may only be enabled with English. European languages may be enabled with each other and English.



Click on **Save** to apply the changes to the configuration.

Step 4: Set the default numeric formatting

If you wish to change the default numeric formatting, click on Custom Settings. By setting the value for Continental Decimal Notation (CDN), you can adjust the default behavior for numeric data.

SET CDN= [ON | OFF | SPACE | QUOTE | QUOTEP]

ON enables CDN. For example, the number 3,045,000.76 is represented as 3.045.000,76.

OFF disables CDN. For example, the number 3,045,000.76 is represented as 3,045,000.76. **OFF** is the default value.

SPACE separates groups of three significant digits with a space instead of a comma, and marks a decimal position with a comma instead of a period. For example, the number 3,045,000.76 is represented as 3 045 000,76.

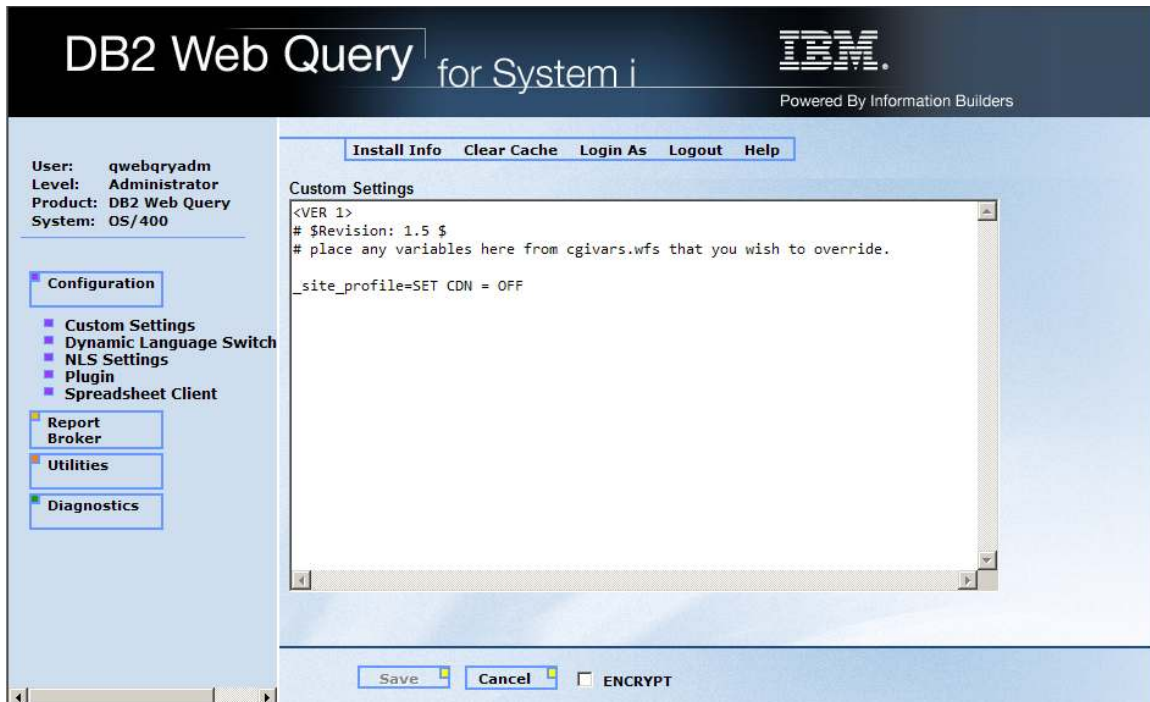
QUOTE separates groups of three significant digits with a single quotation mark instead of a comma, and marks a decimal position with a comma instead of a period. For example, the number 3,045,000.76 is represented as 3'045'000,76.

QUOTEP separates groups of three significant digits with a single quotation mark instead of a comma, and marks a decimal position with a comma. For example, the number 3,045,000.76 is represented as 3'045'000.76.

Example syntax:

```
_site_profile=SET CDN = OFF
```


Note that if the display format of a Web Query report is Excel 2000 or later, CDN is controlled by the settings on an end user's computer. That is, numbers in report output are formatted according to the convention of the locale (location) set in regional or browser language options.



Step 5: Set the default currency

If you wish to change the default currency, edit the file
</qibm/userdata/webquery/ibi/srv77/wfs/etc/nlscfg.err>.

The file is created when Web Query is started. Add the three letter code for the currency symbol you would like to use. The options are:

- EUR (Euro)
- USD (United States dollar)
- GBP (Pound sterling)
- JPY (Japanese yen)
- NIS (Israeli new shekel)

For example, to specify the Euro, set CURRENCY = EUR.

You must end DB2 Web Query and restart it for the change to take effect.

Step 6: Configure LWI environment encoding

Only perform this step if you are configuring one of these:

- Hebrew bi-directional language support

- A secondary language on a system that has an English primary language and you want to use data in the secondary CCSID

If you are configuring Hebrew bi-directional language support, edit the file [/qibm/userdata/webquery/ibi/webfocus77/WQLWI77/lwi/conf/overrides/i5javaopts.javaopt](#) to add the following lines:

```
-Dfile.encoding=Cp1255  
-Duser.language=iw  
-Duser.country=IL
```

If you are using a secondary language, edit the i5javaopts file to add this line:

```
-Dfile.encoding=<value>
```

where <value> is the encoding value for the secondary language. To determine the encoding value refer to

<http://java.sun.com/j2se/1.5.0/docs/guide/intl/encoding.doc.html>.

Following are some examples:

```
-Dfile.encoding= GBK (Simplified Chinese)  
-Dfile.encoding=Cp950 ( Traditional Chinese)
```

After editing the file, end DB2 Web Query and restart it to recycle the LWI environment.

Step 7: Enable visual data support

Only perform this step if you are configuring Hebrew bi-directional language support. Enable Visual data support by editing the file [QIBM/userdata/webquery/ibi/webfocus77/client/wfc/etc/cgivars.wfs](#). Change the WFTRANSINOUT setting to add the path com.srl.exits.WFExit. Note that it is case sensitive. Following is an example of how it should look:

```
WFTRANSINOUT    =com.srl.exits.WFExit
```

Save and close the file.

Step 8: Set the CCSID for Qshell

If you are using the Arabic language and CCSID 420, the following steps are needed to specify an alternative CCSID for Web Query programs that run in Qshell, because Qshell does not support CCSID 420.

1. Enter the command: WRKLNK
'/qibm/UserData/webquery/ibi/webfocus77/WQLWI77/conf/i5OSStartup.properties'
2. Select option 2=Edit.
3. Edit the file to add this line: engine.job.ccsid=425
4. Press F3 to save the changed file.

APPENDIX B: Code page mapping table

The table below contains a mapping from the IBM i CCSID to the Web Query Reporting Server codepage to the Client Codepage used in Step 2 in Appendix A.

IBM i CCSID	Reporting Server codepage	Client codepage (NLS value on Web Query administrator's console)	Language ID
1140 or 037	37	137/1252	
1141 or 273	273	137/1252	DEU
1142 or 277	277	137/1252	DAN or NOR
1143 or 278	278	137/1252	FIN
1144 or 280	280	137/1252	ITA
1145 or 284	284	137/1252	ESP
1146 or 285	285	137/1252	ENG
1147 or 297	297	137/1252	FRA
420	420	1089/1256	ARA
424	424	1255	HEB
1148 or 500	500	137/1252	DES
838	838	874	THA
870	870	1250	HUN, PLK, ROM, CSY, SKY or HRV
875	875	1253	ELL
933	933	949	KOR
935	935	946	CHS
937	937	10948	CHT
1025	1025	1251	RUS
1026	1026	1254	TRK
1047	1047	137/1252	
1112	1112	1257	LVA or LTU
930 or 5026	930	942	JPN
939 or 5035	939	942	JPN