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Carsten's Corner: PTF Delivers Add Query Reference Information Program

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In a recent thread on [midrange.com](#), Chuck R. Pence of IBM discussed a program named QQUIWHOI that was recently delivered by IBM with a PTF for release 6.1. The program has the capability to perform mass updating of query definitions to include file reference information.

The QQUIWHOI program updates query definition objects (external object type *QRYDFN) to include where-used information about the input and output files used by a query. This information is stored in the Object Information Repository (OIR), which serves as the basis for the reports and output files produced by the Display Program References (DSPPPGMREF) command. The information would, however, not be present in the query object's OIR until the query object had been updated and subsequently saved on release 6.1 or later.

The QQUIWHOI program removes the need to manually perform this update. Calling this program specifying a library name or the special value *ALL, indicating the query definitions located in either the specific library or in all libraries in the system ASP should be updated, will cause the selected query definitions to have the files' where-used information added without further ado.

For more information on this, here's an extract from the documentation for the QQUIWHOI program delivered with 6.1 PTF SI34166:

Insert Where-Used OIR with File Level Information to a Query Definition (*QRYDFN) - QQUIWHOI

Required Parameter Group:

1 Library Input Char(10)

Default Public Authority: *USE

The Insert Where-Used OIR (QQUIWHOI) program allows you to add the file level information to the query definition objects (*QRYDFN) that are migrated from a previous release to 6.1.0. File level information is used by the Display Program References (DSPPPGMREF) command to display the files that are used on the query definition.

This program is temporary to the 6.1.0 release and should not be integrated into any existing or new applications.

Recommendation: Execute the program under a user profile with *ALLOBJ authority.

Required Parameter Group

Library: Specifies the library that contains query definition objects from a previous release to 6.1.0 to be updated with where-used OIR file level information.

***ALL:** All libraries from the system ASP are processed.

Library name: Specify the name of a library to be processed.

You'll find a link to the PTF documentation in its entirety at the end of this article. I've created a CL command definition to make it a little easier to call the QQUIWHOI program and at the same time allow me to perform validation of the specified library name as well as verifying that the current release of the system is the required 6.1. The command is called Add Query Reference Information (ADDQRYREF) and also includes a help text panel group containing all the relevant documentation for the QQUIWHOI program.

Your part of the deal is to order and install PTF SI34166, in case you decide to take advantage of the service offered by the QQUIWHOI program, which as mentioned only applies to release 6.1. Here's the Add Query Reference Information (ADDQRYREF) command prompt:

```
                                Add Query Reference Info (ADDQRYREF)

Type choices, press Enter.

Query library  . . . . . *ALL          Name, *ALL
```

So in order to have the DSPPGMREF command output reflect the files used by all query definitions located in your system ASP, you'd run the following command:

ADDQRYREF QRYLIB(*ALL)

Depending on the number of query definitions in your system ASP, the command could take some time to complete, so I recommend you to consider running the command in batch.

The following sources are involved in creating the ADDQRYREF command:

- CBX809H -- PNLGRP -- Add Query Reference Information - Help
- CBX809V -- RPGLE -- Add Query Reference Information - VCP
- CBX809X -- CMD -- Add Query Reference Information

To create all above objects, please follow the instructions in the respective source headers.

You can download [the source code here](#).

IBM documentation:

PTF SI34166 (V6R1Mo):

<http://www-01.ibm.com/support/docview.wss?uid=nas3a7aab5b4c4a56c9d8625753d00631146>**Source URL:** <http://iprodeveloper.com/database/carstens-corner-ptf-delivers-add-query-reference-information-program>