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Query/400 Profile Options and the SETQRYPRFO Command

[System iNetwork Systems Management Newsletter](#)

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Wed, 11/18/2009 (All day)

While the Query/400 product is an old work horse heading for retirement, it is still widely used in many shops around the world. For this reason, and even as more contemporary query and BI products are taking over, it is important to emphasize that as long as Query/400 is installed on a system it calls for consideration both in terms of operational and security aspects.

In order to address some of these requirements Query/400 has over time been subject to a number of enhancements delivered by means of special data areas. To document all these data areas and the features implemented, IBM has created a Technical Document, which in detail describes each data area, when it was introduced and exactly how it is used. You can [find the document here](#).

While the majority of the data areas are depending on a quite simple format as far as the data area content is concerned, there's especially one, very useful data area which defines a lot of settings. The **QQUPRFOPTS** Query User Option data area, which controls many of the most significant parameters that are specified for the Submit Job (**SBMJOB**) command when a query is submitted to batch -- and also a recently added (V5R1) switch allowing you to disable the query output file option for specific user profiles. I therefore decided to create a command interface to manage the QQUPRFOPTS data area and came up with the Set Query Profile Options (**SETQRYPRFO**) command.

Here's how the command's prompt panel looks:

```

Set Query Profile Options (SETQRYPRFO)

Type choices, press Enter.

Profile options library . . . . . Name
Debug cursor position . . . . . *MSGLIN *MSGLIN, *NONDBG

Submit job parameters:

Routing data . . . . . *JOBDB *JOBDB, QCMDB

Output queue . . . . . *JOBDB *JOBDB, *CURRENT,
*USRPRF...
```

Print device	*JOB	*JOB, *CURRENT,
*USRPRF...		
Inquiry message reply	*JOB	*JOB, *RQD, *DFT,
*SYSRPLY		
Job name	*JOB	Name, *JOB, *QRY
Job description	*USRPRF	Name, *USRPRF
Library		Name
Job queue	*JOB	Name, *JOB
Library		Name
User	*JOB	*JOB, *CURRENT
Allow output file	*YES	*NO, *YES
Output file initial size:		
Initial number of records . .	*NOMAX	1-2147483646, *NOMAX
Increment number of records .		1-32767
Maximum increments		1-32767
Create profile opts data area .	*NO	*NO, *YES

All parameters are documented in the online help text panel group accompanying the **SETQRYPRFO** command -- and of course also in the IBM Technical Document referred to above. The following sources are involved in creating the **SETQRYPRFO** command:

CBX993	RPGLE	Set Query Profile Options - CPP
CBX993H	PNLGRP	Set Query Profile Options - Help
CBX993O	RPGLE	Set Query Profile Options - POP
CBX993V	RPGLE	Set Query Profile Options - VCP
CBX993X	CMD	Set Query Profile Options
CBX993M	CLP	Set Query Profile Options - Build Command

To have the **SETQRYPRFO** command created for you, copy the source members to their respective source files and follow the instructions in the **CBX993M** CL program.

[You can download the code here!](#)

In an upcoming issue of the Systems Management Newsletter I will present a Work with Query Profile Options (**WRKQRYPRFO**) command allowing you to monitor and manage all or a subset of Query Profile Options data areas on your system, so stay tuned!

Source URL: <http://iprodeveloper.com/systems-management/query400-profile-options-and-setqryprfo-command>