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The New Retrieve Query Attributes Command

[System iNetwork Systems Management Newsletter](#)

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A while ago there was a discussion in the System iNetwork forums taking its point of origin in the requirement of retrieving a job's currently query attributes. [This link will take you to the forum thread mentioned.](#)

A long time contributor in the forums, Elvis Budimlic of Centerfield Technology, chimed in and suggested how this could be done using a technique he'd described in a Centerfield Technology newsletter a while back. The example referred to showed how to retrieve FTP attributes and was written in C.

Having written a number of query attributes commands and presented them in this newsletter also a while back, I took this as an opportunity to complete my collection of query attribute commands. So based on Elvis' technique I've now written a RTVQRYA command in RPG/IV. From a CL program you can use the RTVQRYA command, and from an RPG or Cobol program you'd call the CPP directly, using the returned information to determine if settings have been altered, if settings need to be changed, or as a way to save, change and later restore the current settings. Here's how the RTVQRYA command prompt looks:

Retrieve Query Attributes (RTVQRYA)	
Type choices, press Enter.	
Job name *	Name, *
User	Name
Number	000000-999999
CL var for QRYTIMLMT (10 0) . .	Number
CL var for DEGREE (10) . .	Character value
CL var for NBRTASKS (5 0) . .	Number
CL var for ASYNCJ (10) . .	Character value
CL var for APYRMT (10) . .	Character value

CL var for QRYOPTLIB	(10) . .	Character value
CL var for QRYSTGLMT	(10 0) . .	Number

I've provided a help text panel group to document the RTVQRYA command and all it's parameters in detail. Note that because the command returns the query attribute information in program variables it cannot be run from a command line or similar. If you have any suggestions for other retrieve type of commands that might be able to benefit from the technique demonstrated here I'd be glad to hear about it – please let me know at [my email address](#).

Thanks to Elvis Budimlic for the ingenious idea that provided the foundation for the RTVQRYA command!

The following sources are involved in creating and testing the RTVQRYA command:

```
CBX986  -- RPGLE  -- Work with Server Sessions -CPP
CBX989  -- RPGLE  -- Retrieve Query Attributes - CPP
CBX989H -- PNLGRP -- Retrieve Query Attributes - Help
CBX989X -- CMD    -- Retrieve Query Attributes
CBX989M -- CLP    -- Retrieve Query Attributes - Build command
CBX989T -- CLP    -- Retrieve Query Attributes - Test
```

To create all above objects, compile and run CBX989M, following the instructions in the source header. Once the RTVQRYA command has been created you can test the command by compiling, source debugging and running the CBX989T CL program. As always, you'll also find compilation instructions in the respective source headers.

[You Can Download the Source Code here!](#)

Previously published related articles:

[Query Governor Control System for V5R4](#)

[Expanding on the Query Governor Control System for V5R4](#)

[The Query Attributes Suite Finale: Set User Query Attributes](#)

Source URL: <http://iprodeveloper.com/systems-management/new-retrieve-query-attributes-command>