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New Command to Display Job Queues by Subsystem

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Here's the follow-up to last month's DSPSBSACT (Display Subsystem Activity) command. This month I present DSPSBSJOBQ (Display Subsystem Job Queues). The DSPSBSJOBQ command displays a list of job queues allocated to the specified subsystems, as well as status information for each job queue.

As I mentioned last month, these display commands do not allow any kind of change or modification actions, which makes them well suited for super users and novice system operators, letting them keep an eye on the system workload processing status without letting them interfere with the jobs or change the configuration.

Here's the DSPSBSJOBQ command prompt:

```

                                Display Subsystem Job Queues (DSPSBSJOBQ)

Type choices, press Enter.

Subsystem . . . . . Name
Library . . . . . *LIBL Name, *LIBL, *CURLIB
  
```

And here is the resulting display panel:

```

                                Display Subsystem Job Queues NOVASTAR
                                25-02-07

10:43:40
Subsystem . . . : QSYSWRK      Subsystem status : *ACTIVE
Library . . . : QSYS          Max active jobs : *NOMAX

Type options, press Enter.
5=Display job queue jobs

Opt   Seq  Job      Max  Current  Jobs
queue Nbr  Queue      Jobs  Active  On
-----
0     10  QSYSNOMAX  QSYS  RLS      *NOMAX    47
0     20  QPDAUTOPAR  QSYS  RLS        5        0
0     30  QESAUTON   QSYS  RLS        5        0
0
  
```

0	40	QNMSVQ	QSYS	RLS	5	0
0	70	Q1PSCHQ	QSYS	RLS	1	0
0	80	Q1PSCHQ2	QSYS	RLS	1	1
0	90	Q1PSCHQ3	QSYS	RLS	1	0
0	100	QSJINV	QSYS	RLS	1	0
0	Bottom					
F3=Exit		F5=Refresh	F11=Display text	F12=Cancel	F21=Print list	

Function key F11 lets you toggle between job queue status and descriptive text information. A help panel group is included, documenting both command and display panel.

For more details about command parameters and command usage, refer to the help panel group.

Look for compilation instructions in the source headers -- compiling and running the CBX967M CL program builds all command objects for you, just follow the instructions in the CBX967M source header. Depending on who is going to actually use the DSPSBSJOBQ command, be careful to set the command's Allow Limited User (ALWLMTUSR) parameter and the command object's public and private authorities accordingly.

The DSPSBSJOBQ command is created from the following source code:

CBX967	RPGLE	Display Subsystem Job Queues - CCP
CBX967E	RPGLE	Display Subsystem Job Queues - UIM Exit
Program		
CBX967H	PNLGRP	Display Subsystem Job Queues - Help
CBX967P	PNLGRP	Display Subsystem Job Queues - Panel Group
CBX967V	RPGLE	Display Subsystem Job Queues - VCP
CBX967X	CMD	Display Subsystem Job Queues

Copy the previous source members to the appropriate source files in your library, then compile and run the following program to create all command objects. Pass a single parameter specifying the library where your source files are located to the program. The DSPSBSJOBQ command objects will be created in the specified library.

CBX967M	CLP	Display Subsystem Job Queues - Build command
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In the next and final installment of this display work management commands suite, I'll present the Display Job Queue Jobs (DSPJOBQJOB) command. Please note that until then, *Option 5=Display job queue jobs* on the above display panel will not run successfully.

You can download a zip file containing all the source code from <http://www2.systeminetwork.com/noderesources/code/clubtechcode/dspsbsjobq.zip>.

Note: As with all new programs, test these routines thoroughly before placing them into a production environment. No warranty is expressed nor implied.

Source URL: <http://iprodeveloper.com/systems-management/new-command-display-job-queues-subsystem>