


[print](#) | [close](#)

## New Command: Display Subsystem Activity - DSPSBSACT

[System iNetwork Systems Management Newsletter](#)

[Carsten Flensburg](#)

Carsten Flensburg

Wed, 01/31/2007 (All day)

In this issue, I want to share with you the Display Subsystem Activity (DSPSBSACT) command, the first of three related super user/novice operator system and workload monitoring commands that let you keep an eye on job processing status without letting anyone change the jobs or the environment. Look, but don't touch!

Here's the DSPSBSACT command prompt:

```

Display Subsystem Activity (DSPSBSACT)

Type choices and press Enter.

Subsystem . . . . . *ACTIVE Name, generic*, *ACTIVE,
*ALL
Library . . . . . Name, *LIBL, *CURLIB...
Exclude subsystem library *NONE Name, generic*, *NONE

```

By default, the command shows you all of the currently active subsystems, but you can use the command parameters to display all subsystems or different subsets of the subsystems, depending on your requirements. Please refer to the command help text for further details.

Running the DSPSBSACT command with the default parameters brings up a display similar to the one below:

```

Display Subsystem Activity

WYNDHAMW
28-01-07
11:52:05
Type options, press Enter.
  5=Display subsystem description  12=Display subsystem job queues

Opt  Subsystem  Library  Status  Max jobs  Current active  On
queue
0    QBATCH    QGPL    *ACTIVE  100      0
0    QPGMR     QGPL    *ACTIVE  10      0
0    QCMN      QSYS    *ACTIVE  *NOMAX   7
0    QCTL      QSYS    *ACTIVE  *NOMAX   3

```

0	QINTER	QGPL	*ACTIVE	*NOMAX	23
0	QMOM	QMOM	*ACTIVE	*NOMAX	31
0	QPGMR	QGPL	*ACTIVE	10	0
0	QSERVER	QSYS	*ACTIVE	*NOMAX	27
0	QSNADS	QSYS	*ACTIVE	*NOMAX	12
0	QSPL	QSYS	*ACTIVE	*NOMAX	120
0	QSYSWRK	QSYS	*ACTIVE	*NOMAX	90
0	QUSRWRK	QSYS	*ACTIVE	*NOMAX	20
0	UPS	UPSLIB	*ACTIVE	*NOMAX	1
0	More...				
F3=Exit      F5=Refresh      F11=Display text      F12=Cancel      F21=Print list					

The panel above shows the maximum number of jobs for each subsystem, the number of currently active jobs, and the number of jobs currently waiting on a job queue allocated to the subsystem. This information provides a pretty good overview of the current activities in each listed subsystem.

The list panel also offers immediate access to the subsystem description and the job queues allocated. However, please note that option *5=Display subsystem description* is displayed only if the user has at least \*JOBCTL special authority in his or her user profile. Option *12=Display subsystem job queues* runs the DSPSBSJOBQ command that I will provide in the next installment of this series, so stay tuned!

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

Review the compilation instructions in the source headers or compile and run the CBX966M CL program and let it build all command objects for you -- just follow the instructions in the CBX966M source header. Depending on who is going to actually use the DSPSBSACT command, be careful to set the command's Allow Limited User (ALWLMTUSR) parameter and the command object's public and private authorities accordingly.

CBX966	RPGLE	Display Subsystem Activity - CCP
CBX966E	RPGLE	Display Subsystem Activity - UIM Exit Program
CBX966H	PNLGRP	Display Subsystem Activity - Help
CBX966P	PNLGRP	Display Subsystem Activity - Panel Group
CBX966V	RPGLE	Display Subsystem Activity - VCP
CBX966X	CMD	Display Subsystem Activity

Copy the above source members to the appropriate source files in your library. Then compile and run the program below to create all command objects. Pass a single parameter to the program to specify the library where your source files are located. The DSPSBSACT command objects are created in the specified library.

CBX966M	CLP	Display Subsystem Activity - Build command
---------	-----	--

You can download a zip file containing all the source code at

<http://www2.systeminetwork.com/noderesources/code/clubtechcode/dspsbsact.zip>

**Note:** As with all new programs, test these routines thoroughly before you place them into a production environment. No warranty is expressed or implied.

**Source URL:** <http://iprodeveloper.com/systems-management/new-command-display-subsystem-activity-dspsbsact>