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Easily Respond to Object and Record Lock Events

[System iNetwork Systems Management Newsletter](#)

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So, your nightly backup or other important job is running and BOOM, a message arrives on the QSYSOPR message queue that the job has encountered a record allocation or object allocation error, because some other job is holding a lock on the record or the object you need. You do a WRKOBJLCK (Work with Object Locks) command to see who has it, and send the offending user a message or terminate the offending job so the important job can run.

The following command will do all this for you. The Process Object Locks (PRCOBJLCK) command identifies all jobs currently holding a lock for the specified object. For each job, it either sends a break message or ends the job. The break message is sent to the jobs holding the lock or optionally to all jobs currently running under the user profile of the jobs holding the lock.

Note: To run this command, *JOBCTL special authority is required.

The command prompt is shown here:

```

                                Process Object Locks (PRCOBJLCK)

Type choices, press Enter.

Object . . . . . _____ Name
  Library . . . . .          *LIBL   Name, *LIBL, *CURLIB
Object type . . . . . _____ *ALL, *ALRTBL,
*BNDDIR...
Action to perform . . . . . *BRKMSG *BRKMSG, *ENDJOB
Message text . . . . . _____

_____

Send message to . . . . . *JOB      *JOB, *USER
How to end . . . . . *CNTRLD      *CNTRLD, *IMMED
Delay time, if *CNTRLD . . . . . 30      Seconds
Ignore record lock . . . . . *NO      *NO, *YES

< _____ >

```

The following source code comprises the command:

```

CBX944H      PNLGRP      Process Object Locks - HELP
CBX944       RPGLE       Process Object Locks - CPP
CBX944X      CMD         Process Object Locks - Command

```

See each source member for compile instructions, and see the help panel group for additional documentation.

You can [download a zip file containing all the source code here](#).

Source URL: <http://iprodeveloper.com/systems-management/easily-respond-object-and-record-lock-events>