

# DoObjLck Ver 1.1

The easy way to unlock your AS/400 Objects.

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## 1. DoObjLck what is it ?

The Do Object Lock product includes one easy to use command [DOOBJLCK](#).

This command is similar to the AS/400 command [WRKOBJLCK](#).

It allows you to perform activates on a group of jobs that locks an AS/400 object

## 2. When should I use the DOObjLck?

Whenever you encounter with an AS/400 object that it is in lock statues and must be released.

Some times the locked object is locked be a few users or processes, so the unlock activity is easy to perform

(call the user and ask him to exit the system or end the locking procedure)

But when the object is locked by vast number of users or process the unlock activity becomes complicated.

At this stage DoObjLock can do the work for you !

## 3. What can DoObjLck can do for you?

*DoObjLock* helps to unlock the object by performing an action on a specific list of the users/processes that locks the object, without bothering the rest of the users.

Using the *DOOBJLCK* command allows you:

- Send a selective break message to all users that locks an AS/400 object.
- Perform selective *ENDJOB* to all users/process that locks an AS/400 object.
- Create a file that includes list of all users that locks an AS/400 object.

The *DOOBJLCK* command is easy to integrate into your AS/400 program.

It can be use in day to day interactive system activates, or to combine it into batch process like system backup's.

## 4. Quick start - DoObjLck

### 4.1. Start the DoObjLck Menu.

Add the product library to the library list, at the AS/400 command line type:

[ADDLIBLE DOOBLCK](#)

Start the product menu, at the AS/400 command line type:

[STRDOL](#)

### 4.2. Insert the authority code

From the product menu select option 89 - Work with DoObjLck Global parameters.

Press F10 - Authority Code

Update the Authority code.

### 4.3. The DoObjLCK command

Refer to the DOOBLCK command parameters:

**OBJ** – Specifies the name and library of the object for which locks are being processed.

**OBJTYPE** – Specifies the object type of the object for which locks are being processed. Specify the predefined value that identifies the object type.

**MBR** - Specifies the member name of a database file. This parameter is valid only when a database file has been specified on the Object prompt (OBJ parameter).

**ACTION** - Specifies the activity that will be performed on the locking jobs.

Where:

\*SNDMSG - Send message to all locking terminals.

\*ENDJOB – Perform the command ENDJOB on the locking jobs.

\*OUTFILE – Create an AS/400 file that contains a list of the locking jobs.

**MSG** - Specifies the immediate message that is being sent  
the \*AUTOTEXT can be specified to send standard message.

**OUTFILE** - Specifies a user-defined physical database file and library to which the list of records will be copied.

**PROMPT** - Specifies if to prompt the ENDJOB command.  
Valid only on Action(\*ENDJOB) in online mode.

## 5. DoObjLck –Examples

### 5.1. Sending a standard message to all terminals that locks a data area.

Assuming that the data area MyDtaAra in library MyLib is locked by multi users and must be releases.

Type in the command...

**DOOBJLCK OBJ(MYLIB/MYDTAARA) OBJTYPE(\*DTAARA)**

to send standard message to all locking terminals.

```
Do Object Lock (DOOBJLCK)

Type choices, press Enter.

Object . . . . . > MYDTAARA      Name
Library . . . . . > MYLIB        Name, *LIBL, *CURLIB
Object type . . . . . > *DTAARA   Character value
Member . . . . .          *NONE    Name, *NONE, *FIRST, *ALL
Action . . . . .          *SNDMSG  *SNDMSG, *ENDJOB, *OUTFILE
Message text . . . . .      *AUTOTEXT

█
```

The standard message that will be displayed at all the locking terminal is ...

```
Display Messages

Queue . . . . . :                System:
Library . . . . : QSYS           Program . . . . : *DSPMSG
Severity . . . . : 00           Library . . . . :
Delivery . . . . :                *NOTIFY

Type reply (if required), press Enter.
█ From . . . . : DAVID           26/10/   16:32:08
The Object MYDTAARA in library MYLIB type *DTAARA is locked by this
terminal, you are requested to release the object or sign off
immediately
```

## 5.2. Sending a customize message to all terminals that locks a data area.

Assuming that the data area MyDtaAra in library MyLib is locked by multi users and must be releases.

Type in the command...

```
DOOBJLCK OBJ(MYLIB/MYDTAARA) OBJTYPE(*DTAARA)  
MSG('Dear user. Please sign off from your terminal')
```

```
Do Object Lock (DOOBJLCK)  
  
Type choices, press Enter.  
Object . . . . . > MYDTAARA      Name  
Library . . . . . > MYLIB        Name, *LIBL, *CURLIB  
Object type . . . . . > *DTAARA   Character value  
Member . . . . . > *NONE        Name, *NONE, *FIRST, *ALL  
Action . . . . . > *SNDMSG     *SNDMSG, *ENDJOB, *OUTFILE  
Message text . . . . . > 'Dear user. Please sign off from your termin  
al'
```

The customize message that will be displayed at all the locking terminal is ...

```
Display Messages  
  
Queue . . . . . :                System:  
Library . . . . : QSYS           Program . . . . : *DSPMSG  
Severity . . . . : 00            Library . . . . :  
Delivery . . . . :              *NOTIFY  
  
Type reply (if required), press Enter.  
From . . . . . : DAVID          26/10/2017 17:15:50  
Dear user. Please sign off from your terminal
```

### 5.3. Ending (ENDJOB) all terminals that lock a data area.

Assuming that the data area MyDtaAra in library MyLib is locked by multi users and must be releases.

Type in the command...

**DOOBJLCK/DOOBJLCK OBJ(MYLIB/MYDTAARA) OBJTYPE(\*DTAARA) ACTION(\*ENDJOB) PROMPT(\*YES)**

```
Do Object Lock (DOOBJLCK)

Type choices, press Enter.

Object . . . . . > MYDTAARA      Name
Library . . . . . > MYLIB        Name, *LIBL, *CURLIB
Object type . . . . . > *DTAARA   Character value
Member . . . . . > *NONE         Name, *NONE, *FIRST, *ALL
Action . . . . . > *ENDJOB       *SNDMSG, *ENDJOB, *OUTFILE
Prompt ENDJOB command . . . . . > *YES    *YES, *NO
```

The “Prompt ENDJOB Command” parameter is set to \*YES.

Second screen will appear with a ENDJOB command prompter.

Allowing the administrator to alter the default values of the ENDJOB command.

```
End Job (ENDJOB)

Type choices, press Enter.

How to end . . . . . *CNTRLD      *CNTRLD, *IMMED
Delay time, if *CNTRLD . . . . . 1          Seconds
Delete spooled files . . . . . *NO        *NO, *YES
Maximum log entries . . . . . *SAME     Number, *SAME, *NOMAX
Additional interactive jobs . . . *NONE     *NONE, *GRPJOB, *ALL
```

The activity that will be performed on all locking terminal is ENDJOB ...

```
End of Job

System:
Job:          User:  DAVID      Number:  371877

Job ending immediately.

Display the job log for more information.
```

## 5.4. Create a file that contains a list of all terminals that locks a data area.

Assuming that data area MyDtaAra in library MyLib is locked by multi users, and a list of all terminals that locks a data area must be obtain for farther process (CL program etc’).

Type in the command...

```
DOOBJLCK/DOOBJLCK OBJ(MYLIB/MYDTAARA) OBJTYPE(*DTAARA)  
ACTION(*OUTFILE) OU TFILE(MYLIB/LOCKLIST)
```

```
Do Object Lock (DOOBJLCK)

Type choices, press Enter.

Object . . . . . > MYDTAARA      Name
Library . . . . . > MYLIB        Name, *LIBL, *CURLIB
Object type . . . . . > *DTAARA   Character value
Member . . . . . > *NONE         Name, *NONE, *FIRST, *ALL
Action . . . . . > *OUTFILE      *SNDMSG, *ENDJOB, *OUTFILE
File to receive output . . . . . > LOCKLIST  Name
Library . . . . . > MYLIB        Name, *LIBL, *CURLIB
```

The output file that will be created is similar to....

```
Position to line . . . . .
.....1.....2.....3
USER      JOB      NUMBER
DAVID     MONTCAIN_B  371881
DAN       MONTCAIN_C  371880
***** End of data *****
```