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## Carsten's Corner: Update All Object Authority Attributes in One Single Step

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In my recent article presenting the Copy User Authority (CPYUSRAUT) and the Start Program Adoption (STRPGMADP) commands, I mentioned a requirement I was facing some time ago. As part of an attempt to streamline the move-object-to-production process, I wanted to create a function that would set the object ownership, object primary group, object authorization list and object private authority to the same values as defined by a specified reference object. This effort led me to create the Update Object Authority (UPDOBJAUT) command.



To put it another way, the intention of the Update Object Authority command presented today is to act as a Swiss army knife in terms of providing a single function allowing you to configure all an object's authority attributes. The Update Object Authority (UPDOBJAUT) command allows you to change all or some of the following object authority related information for the specified object, based on the corresponding information associated with a reference object:

- Object ownership
- Object primary group profile
- Authorization list securing object
- All private object authorities
- \*PUBLIC authority

Alternatively you can specify a named user profile as the object owner or primary group profile, as well as a specific authorization list to secure the object. For program objects there's also an option to start program owner authority adoption. Here is the UPDOBJAUT command's parameter list when fully prompted:

```
Update Object Authority (UPDOBJAUT)
```

```
Type choices, press Enter.
```

```
Object . . . . . Name
Library . . . . . *LIBL Name, *LIBL, *CURLIB
Object type . . . . . *ALL, *ALRTBL,
```

```

*BNDDIR...
Reference object . . . . . Name

Library . . . . . *LIBL Name, *LIBL, *CURLIB

Reference object type . . . . . *OBJTYPE *OBJTYPE, *ALRTBL,
*BNDDIR...
Object owner . . . . . *SAME Name, *SAME,
*REFOBJ
Object primary group . . . . . *SAME Name, *SAME,
*REFOBJ, *NONE
Authorization list . . . . . *SAME Name, *SAME,
*REFOBJ, *NONE
Object private authorities . . . *SAME *SAME, *REFOBJ,
*NONE
Start program adoption . . . . . *NO *NO, *YES

```

The UPDOBJAUT command is documented in detail in the associated help text panel group also explaining all the command's parameters. The following command is an example showing what the UPDOBJAUT would look like if you wanted the file CUS001F in library PRODLIB to assume the exact same object authority attributes in terms of object ownership, primary group, authorization list and private authorities, as file TRN001F also in library PRODLIB:

```

UPDOBJAUT OBJ(PRODLIB/CUS001F)
      OBJTYPE(*FILE)
      REFOBJ(PRODLIB/TRN001F)
      OBJOWN(*REFOBJ)
      OBJPGP(*REFOBJ)
      AUTL(*REFOBJ)
      OBJAUT(*REFOBJ)

```

In order to make the UPDOBJAUT command immediately useful, I've added the command to function key F6 on the display panel of the Compare Object Authority (CMPOBJAUT) command. I've also included the UPDOBJAUT as list option 6 on the Work with Object Authority (WRKOBJAUT) command's list panel. Both aforementioned commands were published by this newsletter a while ago and links to the articles presenting the commands are included at the end of this article. The revised source code is included with today's source code, and will be automatically created for you, if you follow the instructions below.

The following source code members comprise the UPDOBJAUT command:

```

CBX133 -- RPGLE -- Retrieve Authority - CPP
CBX133H -- PNLGRP -- Retrieve Authority
CBX133X -- CMD -- Retrieve Authority
CBX807H -- PNLGRP -- Compare Object Authority - Help
CBX807P -- PNLGRP -- Compare Object Authority - Panel Group
CBX808H -- PNLGRP -- Work with Object Authority - Help
CBX808P -- PNLGRP -- Work with Object Authority - Panel Group
CBX808 -- RPGLE -- Work with Object Authority - CPP
CBX808C -- RPGLE -- Work with Object Authority - Choice Program
CBX808V -- RPGLE -- Work with Object Authority - VCP
CBX808X -- CMD -- Work with Object Authority

```

```
CBX814 -- CLP -- Update Object Authority - CPP
CBX814H -- PNLGRP -- Update Object Authority - Help
CBX814M -- CLP -- Update Object Authority - Build command
CBX814V -- RPGLE -- Update Object Authority - VCP
CBX814X -- CMD -- Update Object Authority
```

To create all above objects compile and run CL program CBX814M, following the instructions in the source header. Compilation instructions for each object are also found in the respective source headers.

**[Download the source code for this article here.](#)**

**NOTE:** For the UPDOBJAUT command to compile and run successfully, the Copy Object Authority (CPYOBJAUT) and the Start Program Adoption (STRPGMADP) commands included last time, must be present on your system and fully functional. For more information about the CPYOBJAUT and the STRPGMADP commands, please follow the link below.

**Related articles:**

[Carsten's Corner: Copy User Authority and Start Program Adoption Commands](#)

[Carsten's Corner: New Utility to Compare Object Authority](#)

[Carsten's Corner: Compare Object Authority for a Group of Objects](#)

**Source URL:** <http://iprodeveloper.com/systems-management/carsten-s-corner-update-all-object-authority-attributes-one-single-step>