

## Retrieving User Special Authorities -- ALL OF THEM!

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Carsten Flensburg strikes again! This issue highlights the latest of Carsten's GREAT utilities. This one again deals with OS/400 special authorities, but from a bit of a different angle.

RTVUSRSPCA (Retrieve User Special Authorities) is a command that is similar to the IBM-supplied command RTVUSRPRF (Retrieve User Profile), but RTVUSRSPCA deals exclusively with special authorities.

The main problem that is addressed by the utility presented here is that IBM's RTVUSRPRF command does not give a true picture of the special authorities inherent in a user profile. The special authorities held by a user can only be determined by extracting that information from the User profile, the primary group profile, and any associated supplementary group profiles. The combination of the special authorities found in these three sources actually determines the special authorities held by a user. The RTVUSRPRF command only tells you the special authorities held within the User Profile itself and does not consider the primary group or supplementary groups.

The RTVUSRSPCA command presented here lets you select the levels of special authorities you are interested in. You can retrieve only those authorities held in the User Profile (just like RTVUSRPRF), or you can retrieve special authorities only from the primary group, or those found in supplementary groups, or a combination of all three sources: User, Group, Supplementary groups.

The main parameters for the command are as follows:

```
USRPRF:  *CURRENT or Named User

OPTION:  *USRPRF , *GRPPRF , *SUPGRP or *ALL
```

If \*USRPRF is selected, only those special authorities in the User Profile are returned. If \*GRPPRF is selected, only those special authorities in the Primary Group Profile are returned. If \*SUPGRP is selected, only those special authorities found in supplemental groups is returned. If \*ALL is selected, all special authorities in the user profile, group profile, and any supplementary groups are returned. The \*ALL option is the one I like best, since it lets me get a true picture of all of the special authorities that are inherent in the user profile.

The third parameter is SPCAUT, which is a 150-length character field into which the special authorities found are placed in 10-character increments (like RTVUSRPRF). If no special authorities are found, the value \*NONE will be returned in the first 5 bytes of the SPCAUT return variable.

Here's an example of how to use the RTVUSRSPCA (Retrieve User Special Authorities) command in a CL Program. Since this command uses a return value, it can't be called from a command line.

```
/* CL Example of using RtvUsrSpcA command */

Pgm

Dcl          &SpcAut          *Char    150

RtvUsrSpcA  UsrPrf( )          +
              Option( *ALL      )          +
              SpcAut( &SpcAut )

/*-- Do whatever ... --*/

EndPgm:
EndPgm
```

The following source code is included:

```
CBX929X -- The Command Definition source code  
CBX929  -- The RPGLE Command Processing Program  
CBX929H -- The Command Help Panel Group  
CBX929C -- Example of Command Usage
```

See each source member for compile instructions.

You can download a zip file containing all the source code from <http://iseries.pentontech.com/t?ctl=21FE:103C2> .

**Source URL:** <http://iprodeveloper.com/systems-management/retrieving-user-special-authorities-all-them>