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## New Commands for Checking and Retrieving User Special Authorities

[System iNetwork Systems Management Newsletter](#)

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You can use the IBM-supplied command RTVUSRPRF (Retrieve User Profile) to retrieve user profile information into a CL program. I've often used the command to determine what special authorities a user has. I knew that the command ONLY returned those special authorities found in the individual user profile and not those in any associated group profile. So, since individual user profiles inherit special authorities from their group profiles, to actually determine the user's special authorities, I needed to also traverse the list of the user's group profiles and check for special authorities in each group. It was not pretty.

The answer for fixing my ugly code comes in this issue of the newsletter in the new command CHKSPCAUT (Check Special Authorities), written by Carsten Flensburg.

The CHKSPCAUT command uses the IBM-supplied API QSYCUSRS (Check User Special Authorities), which returns not only those Special Authorities found in the User Profile, but also those found in any Associated Group Profile and any Adopted authority in effect at the time that the API is called.

You run the command by specifying the user ID and the special authorities that you're looking for. If the requested special authorities aren't found, the error message CPFB304 is returned to the initiating program. If the authorities are found, no message is generated, a la CHKOBJ (Check Object).

Here's an example of using the CHKSPCAUT command in a CL program, although, like the CHKOBJ command, you can run it directly from the command line.

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

Pgm
  ChkSpcAut  UsrPrf( )  SpcAut( *ALLOBJ *IOSYSCFG )

  MonMsg      CPFB304  Exec(Do)
  RcvMsg      MsgType( *EXCP )  Rmv( *YES )

  SndPgmMsg   Msg( 'Sorry - not authorized to this function.' )
  GoTo        EndPgm
  EndDo

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

```
EndPgm:  
    EndPgm
```

The following source code is included:

```
CBX9282X - The Command Definition source code  
CBX9282  - The RPGLE Command Processing Program  
CBX9282H - The Command Help Panel Group
```

See each source member for compile instructions.

You can download a zip file containing all the source code from iSeries Network, at <http://www2.systeminetwork.com/noderesources/code/clubtechcode/ChkSpcAut.zip> .

The preceding utility was written by Carsten Flensburg. For questions regarding this tip, contact Carsten at <mailto:flensburg@novasol.dk> .

**Source URL:** <http://iprodeveloper.com/systems-management/new-commands-checking-and-retrieving-user-special-authorities>