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Get Thousands of Different User Profile Reports with WRKPRFSECA

[System iNetwork Systems Management Newsletter](#)

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Your auditor comes to you and says, "I need two more reports today. I need one that lists all enabled users with command line access, and one that lists all enabled users with *ALLOBJ special authority that have a default password." You shake your head and start scrambling to make the new query definitions required to get the reports. It seems like every day it's always new user reports...right?

Or perhaps you have an auditor coming next month and you want to make sure you have your system ready for inspection. Instead of writing a ton of custom queries, there is a better way to get all these various user profile reports.

A new command called Work with Profile Security Attributes (WRKPRFSECA) can save you loads of time when you need various flavors of user reports. In fact, there are thousands of different report combinations. It is a very comprehensive tool -- and it's taken me almost 5,000 lines of code to get it all together! Here is what the WRKPRFSECA command prompt looks like:

```

Work with Profile Security Atr (WRKPRFSECA)

Type choices, press Enter.

User profile . . . . . *ALL      Name, generic*, *ALL
Criteria relationship . . . *AND      *AND, *OR
Status . . . . . *NOCHK      *NOCHK, *ENABLED, *DISABLED
Profile inactivity days . . *NOCHK      1-999, *NOCHK
Password type . . . . . *NOCHK      *NOCHK, *NONE, *DFT, *PWD
Password status . . . . . *NOCHK      *NOCHK, *EXPIRED, *ACTIVE
Password unchanged days . . *NOCHK      1-999, *NOCHK
Invalid signon . . . . . *NOCHK      *NOCHK, *CHECK
User class . . . . . *NOCHK      *NOCHK, *NONUSER, *USER...
Special authority . . . . . *NOCHK      *NOCHK, *ANY, *NONE...
      + for more values
Limit capabilities . . . . . *NOCHK      *NOCHK, *ANYLMT, *NO...
Primary group profile . . . *NOCHK      Name, generic*, *NOCHK...
Supplemental groups . . . . *NOCHK      Name, generic*, *NOCHK...
      + for more values
Output . . . . . *          *, *PRINT

Additional Parameters

Include system profiles . . *YES      *YES, *NO
Update default password table *YES      *YES, *NO

```

```

Bottom
F3=Exit    F4=Prompt    F5=Refresh F10=Additional parameters F12=Cancel
F13=How to use this display    F24=More keys

```

By providing a quick and precise analysis tool that identifies various user profile configuration problems and security exposures, the command is designed to make SOX a little easier for System i security officers. Comprehensive online cursor-sensitive help text is provided for the command and the display panel. The help text explains both the command's parameters and the information displayed in the panel. With tools such as this, avoiding misunderstandings is crucial -- so please take the time to read and understand all the documentation.

Here are a few examples of how to use the tool.

The following command displays all user profiles that can sign on and that have a default password:

```

WRKPRFSECA  USRPRF (*ALL)
              REL (*AND)
              STATUS (*ENABLED)
              PWDTYP (*DFT)

```

The following command displays all user profiles that have not signed on for 60 days, or profiles for which the password has expired or not been changed for more than 30 days. IBM-supplied user profiles are excluded from the list.

```

WRKPRFSECA  USRPRF (*ALL)
              REL (*OR)
              PRFDAYS (60)
              PWDSTS (*EXPIRED)
              PWDDAYS (30)
              SYSPRF (*NO)

```

Note that, depending on the number of user profiles and system workload, the WRKPRFSECA command may consume a significant amount of system resources and may take some time to complete. The following source code is included in the WRKPRFSECA utility:

CBX972E	RPGLE	Work with Profile Security Attributes - UIM
Exit Program		
CBX972H	PNLGRP	Work with Profile Security Attributes - Help
CBX972P	PNLGRP	Work with Profile Security Attributes - Panel
Group		
CBX972X	CMD	Work with Profile Security Attributes
CBX9721	RPGLE	Work with Profile Security Attributes - CPP 1
CBX9722	RPGLE	Work with Profile Security Attributes - CPP 2
CBX972M	CLP	Work with Profile Security Attributes - Build
Command		

Compilation instructions are in the individual source headers, but as a quick create path, compiling and running the CBX972M CL program builds all command objects for you. To do so, just supply the

compile library as the only parameter when you call the program. Follow the instructions in the CBX972M source header for more information.

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

Note: As with all new programs, test these routines thoroughly before placing them into a production environment. No warranty is expressed or implied.

Source URL: <http://iprodeveloper.com/security/get-thousands-different-user-profile-reports-wrkprfseca>