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Controlling the Action of the System Request Key and the ATTN Key

[System iNetwork Systems Management Newsletter](#)

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Wed, 09/28/2005 (All day)

So, your users have figured out that they can use the System Request menu to cancel a request by using Option 2 from the SYSREQ menu. So, now they can kill a long running database update process at will. Bad news!

And, what about that Attention Key handling program? Wouldn't you like more control over the program that is called when ATTN is pressed?

Well, in this issues of the newsletter, Carsten presents the command **CHGPRFEXIT** (Change Profile Exit Program). The command activates or deactivates the system request or system attention exit program(s) for the specified user profile. When activated, the exit program(s) registered for the system request or system attention is called before the execution of the system request or system attention function.

The preattention and presystem request exit points QIBM_QWT_PREATTNPGMS and QIBM_QWT_SYSREQPGMS, respectively, are managed through either the WRKREGINF facility or the ADDEXITPGM and RMVEXITPGM commands. You can register up to eight exit programs for each exit point. The CHGPRFEXIT command can then activate any or all of them for a user profile. Here's what the command prompt looks like:

```

Change Profile Exit Program (CHGPRFEXIT)

Type choices, press Enter.

User profile . . . . . _____ Name, *CURRENT
Exit program format . . . . . *SYSRQS *SYSRQS, *ATTN
  
```

On this prompt, enter a user profile and press ENTER, and the current exit program settings are retrieved for the specified user profile:

```

Change Profile Exit Program (CHGPRFEXIT)

Type choices, press Enter.

User profile . . . . . > DRIEHL Name, *CURRENT
Exit program format . . . . . *SYSRQS *SYSRQS, *ATTN
Exit program option:
Program 1 . . . . . *ON *ON, *OFF, *SAME
Program 2 . . . . . *OFF *ON, *OFF, *SAME
Program 3 . . . . . *OFF *ON, *OFF, *SAME
  
```

Program 4	. . . . .	*OFF	*ON, *OFF, *SAME
Program 5	. . . . .	*OFF	*ON, *OFF, *SAME
Program 6	. . . . .	*OFF	*ON, *OFF, *SAME
Program 7	. . . . .	*OFF	*ON, *OFF, *SAME
Program 8	. . . . .	*OFF	*ON, *OFF, *SAME

You can then set the values to *ON or *OFF to determine what, if any, exit program is called.

Using a System Request key exit program, you can even hide the System Request menu by setting the exit program's 'Menu display flag' parameter to a given value. This way, you can in effect replace the System Request menu with your own version. **Note: In the next issue of the newsletter, Carsten will present an example of how to do this.**

[See IBM's documentation of the Pre-System Attention exit point.](#)

[See IBM's documentation of the Pre-System Request exit point.](#)

The following source code is included in the CHGPRFEXIT command:

CBX945	CLP	Change profile exit program - CPP
CBX945H	PNLGRP	Change profile exit program - Help
CBX945O	CLP	Change profile exit program - (Prompt Override pgm)
CBX945X	CMD	Change profile exit program - Command

See each source member for compile instructions, and see the help panel group for additional documentation.

You can download a zip file containing all the source code from the URL:

<http://www2.systeminetwork.com/noderesources/code/clubtechcode/ChgPrfExit.zip>

Source URL: <http://iprodeveloper.com/systems-management/controlling-action-system-request-key-and-attn-key>