

BCI433 Notes - User Profiles

The user profile describes the user to the system. Information on the following is stored in the user profile:

User's password – to sign on,

Initial Program – a program that will run when the user signs on to the system.

Initial Menu – a specific menu to show the user when first signed on to the system.

The Current Library – Determines the one unique user's personal library on a library list. Everyone gets the same system and user libraries from QSYSLIBL and QUSRLIBL system values when they sign on. (assuming no initial program changes the library list)

The current library is also used when a user creates an object and does not state specifically what library it is to be stored in.

==> CrtOutQ Test (this command does not mention a library)

Object TEST type *OUTQ created in library DY433D40
(The current library was used to store Test)

If the user profile does not indicate a current library then QGPL is used to store the objects.

The **user class** or **special authorities** the user has determines the level of access to system resources.

The user class has default special authorities. This is enforced when system wide security (QSECURITY) is set to level 30 or above

USER CLASS and Special Authorities that go with them

*SECOFR

*ALLOBJ	*SAVSYS	*JOBCTL	*SERVICE
*SPLCTL	*SECADM	*AUDIT	*IOSYSCFG

*SECADM

*SECADM

*SYSOPR

*SAVSYS *JOBCTL

*PGMR

*USER

It is possible to have a user class that does not match its default special authorities

==> CRTUSRPRF USRPRF(TEST02) USRCLS(*PGMR)

==> CHGUSRPRF USRPRF(TEST02) USRCLS(*PGMR) SPCAUT(*SECADM)

User class and special authorities do not match system supplied values.

Special authority (SPCAUT)

This specifies the special authorities given to a user. Special authorities are required to perform certain functions on the system. Special authorities cannot be removed from many of the system-supplied user profiles, including QSECOFR and QSYS.

The following special authorities are available to be given:

***ALLOBJ** All object authority is given to the user. The user can access any system resource with or without private user authorizations.

***SECADM** Security administrator authority is given to the user. The user can create, change, or delete user profiles if authorized to the Create User Profile (CRTUSRPRF), Change User Profile (CHGUSRPRF), or Delete User Profile (DLTUSRPRF) commands and is authorized to the user profile.

This authority does not allow giving special authorities that this user profile does not have. To give *SECADM special authority to another user, a user must have both *ALLOBJ and *SECADM special authorities.

***SAVSYS** Save system authority is given to the user profile. This user has the authority to save, restore, and free storage for all objects on the system, with or without object management authority.

***IOSYSCFG** Input/output (I/O) system configuration authority is given to the user. The user has authority to change system I/O configurations.

(*JOBCTL) Job control special authority is given to the user. The user is given the authority to change, display, hold, release, cancel, and clear all jobs that are running on the system or that are on a job queue or output queue that has OPRCTL (*YES) specified. The user also has the authority to load the system, to start writers, and to stop active subsystems.

***AUDIT** Audit authority is granted to this user. The user is given the authority to perform auditing functions. Auditing functions include turning auditing on or off for the system and controlling the level of auditing on an object or user.

(*SERVICE) Service special authority to users who need to perform service functions.

(*SPLCTL) Spool control special authority to users who need to perform all spool-related functions.

Maximum Allowed Storage – The number of Kilobytes of storage allotted to the user.

A person who is a Security Administrator or has the *SECADM special authority can run the following command for a user profile if they have authority to that profile:

Change User Profile (CHGUSRPRF)

Type choices, press Enter.

User profile	> DY433D40	Name
User password	*SAME	Character value, *SAME, *NONE
Set password to expired	> *NO	*SAME, *NO, *YES
Status	*ENABLED	*SAME, *ENABLED, *DISABLED
User class	*PGMR	*SAME, *USER, *SYSOPR...
Assistance level	*INTERMED	*SAME, *SYSVAL, *BASIC...
Current library	DY433D40	Name, *SAME, *CRTDFT
Initial program to call	STARTUP	Name, *SAME, *NONE
Library	*LIBL	Name, *LIBL, *CURLIB
Initial menu	PROGRAM	Name, *SAME, *SIGNOFF
Library	*LIBL	Name, *LIBL, *CURLIB
Limit capabilities	*NO	*SAME, *NO, *PARTIAL, *YES
Text 'description'	'RUSSELL PANGBORN'	

Additional Parameters

Special authority	*USRCLS	*SAME, *USRCLS, *NONE...
+ for more values		
Special environment	*SYSVAL	*SAME, *SYSVAL, *NONE, *S36

Display sign-on information . . *SYSVAL *SAME, *NO, *YES, *SYSVAL

Password expiration interval . .	*SYSVAL	1-366, *SAME, *SYSVAL, *NOMAX
Block password change	*SYSVAL	1-99, *SAME, *SYSVAL, *NONE
Local password management . . .	*YES	*SAME, *YES, *NO
Limit device sessions	*SYSVAL	*SAME, *SYSVAL, *YES, *NO...
Keyboard buffering	*SYSVAL	*SAME, *SYSVAL, *NO...
Maximum allowed storage	200000	Kilobytes, *SAME, *NOMAX
Highest schedule priority . . .	4	0-9, *SAME
Job description	QDFTJOB	Name, *SAME
Library	QGPL	Name, *LIBL, *CURLIB

Group profile	*NONE	Name, *SAME, *NONE
Owner	*USRPRF	*SAME, *USRPRF, *GRPPRF
Group authority	*NONE	*SAME, *NONE, *ALL...
Group authority type	*PRIVATE	*PRIVATE, *PGP, *SAME
Supplemental groups	*NONE	Name, *SAME, *NONE
+ for more values		

Accounting code	*BLANK	
Document password	*SAME	Name, *SAME, *NONE
Message queue	DY433D40	Name, *SAME, *USRPRF
Library	QUSRSYS	Name, *LIBL, *CURLIB

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A user can run the CHGPRF command to:

Change the output queue used for spooled files generated by a compile.

Change the message queue used to store messages sent to their user profile

Change the initial program run when signing on to the system. Note this action can be prevented if a person with object authority to a profile and *SECADM special authority sets the Limit Capabilities option on a profile to *YES.

Change Profile (CHGPRF)

Type choices, press Enter.

Assistance level	*INTERMED	*SAME, *SYSVAL, *BASIC...
Current library	DY433D40	Name, *SAME, *CRTDFT
Initial program to call	STARTUP	Name, *SAME, *NONE
Library	*LIBL	Name, *LIBL, *CURLIB
Initial menu	PROGRAM	Name, *SAME, *SIGNOFF
Library	*LIBL	Name, *LIBL, *CURLIB
Text 'description'	'RUSSELL PANGBORN'	

Additional Parameters

Keyboard buffering	*SYSVAL	*SAME, *SYSVAL, *NO...
Job description	QDFTJOB	Name, *SAME
Library	QGPL	Name, *LIBL, *CURLIB
Document password	*SAME	Name, *SAME, *NONE
Message queue	DY433D40	Name, *SAME, *USRPRF
Library	QUSRSYS	Name, *LIBL, *CURLIB
Delivery	*NOTIFY	*SAME, *NOTIFY, *BREAK...
Severity code filter	0 0-99,	*SAME
Print device	*WRKSTN	Name, *SAME, *WRKSTN, *SYSVA
Output queue	DY433D40	Name, *SAME, *WRKSTN, *DEV
Library	DY433D40	Name, *LIBL, *CURLIB
Attention program	MARKSRPG	Name, *SAME, *NONE...
Library	*LIBL	Name, *LIBL, *CURLIB
Sort sequence	*SYSVAL	Name, *SAME, *SYSVAL, *HEX..
Library		Name, *LIBL, *CURLIB
Language ID	*SYSVAL	*SAME, *SYSVAL...
Country or region ID	*SYSVAL	*SAME, *SYSVAL...
Coded character set ID	*SYSVAL	*SAME, *SYSVAL, *HEX...
Character identifier control ..	*SYSVAL	*SAME, *SYSVAL, *DEVD...