



Synchronizing Passwords Between Systems

[System i Network Systems Management Newsletter](#)

Chuck Lundgren

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This issue's utility by Carsten Flensburg allows you to synchronize passwords across multiple iSeries systems so that changing a password on one system will automatically update the password on other systems.

The utility consists of two RPG ILE programs, CBX9181 and CBX9182, and RPG service program CBX918S. These programs use a DDM data queue to send and receive an encrypted password for a specified user profile.

CBX9181 is a user profile event exit program that is called every time a user profile event occurs, such as when a user profile is created, changed, restored or deleted. Based on the passed received by the exit program, CBX9181 generates an entry on a DDM data queue pointing to a remote system where the user profile's password should be mirrored.

Program CBX9182 waits on the specified DDM data queue for entries to arrive from CBX9181. When a data queue entry arrives, CBX9182 takes one of three actions depending on the event that that occurred to the original user profile:

- If the user profile's password was changed, CBX9182 will update the local user's password.
- If the user profile was created or restored, CBX9182 will just send an informational message to the user profile running CBX9182.
- If the user profile was deleted, CBX9182 will change the local user's password value to *NONE.

The version here has the following restrictions:

- The local user profile user class must be *USER.
- The release level must be the same for both the remote and local system.
- The password level must be the same for both the remote and local system.

Programs CBX9181 and CBX9182 are intended to offer a starting point to develop your own iSeries password synchronization facility. If you choose to enhance these programs, ensure that you've thoroughly researched and tested the enhancements before putting them into production.

The comments in the source code include the instructions needed to compile the programs, create the data queue, register the CBX9181 exit program, and run (and end) CBX9182 on the job queue as a never ending processing job. You can obtain the code here:

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

The above 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/synchronizing-passwords-between-systems>