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## Easily Reenable Disabled NetServer Users

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[Carsten Flensburg](#) [Chuck Lundgren](#) [Chuck Lundgren](#) [Chuck Lundgren](#) [Chuck Lundgren](#)

Carsten Flensburg

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The iSeries Netserver lets PC users map a drive or printer to the iSeries. This useful feature can sometimes be problematic for system administrators, who must concern themselves with the spread of PC viruses via iSeries shares, connectivity hiccups, and performance issues. One problem that commonly pops up is users finding their access disabled because of changed passwords, wrong passwords, and so on. The system administrator must then intervene to reenable the disabled NetServer users.

IBM provides a few ways (some more convenient than others) to list disabled NetServer users. The least convenient way is searching for message CPIB682 — the message alert for a disabled NetServer user. You use the WRKSPLF (Work with Spooled Files) command:

```
WRKSPLF QSYSOPR
```

You could also use the DSPLOG (Display Log) command:

```
DSPLOG MSGID(CPIB682)
```

When you spot a disabled NetServer user in the logs, you can issue the CHGUSRPRF (Change User Profile) command:

```
CHGUSRPRF profile-name
```

where *profile-name* is the name of the disabled user. You don't have to actually change the profile because simply running the command reenables NetServer access.

A more convenient method for listing disabled NetServer users is to use iSeries Navigator. In iSeries Navigator, click My Connections|Network|Servers| TCP/IP, then double-click the iSeries NetServer node. Next, right-click iSeries NetServer and select the option for disabled user IDs to see a list of the disabled NetServer users. Conveniently, you can reenable the users in this window.

A green-screen alternative to the iSeries Navigator method is to use the NETS menu in the QUSRTOOL library. After entering GO NETS on the command line, select Work with NetServer Users from the menu to display a list of all disabled NetServer users. To reenable the displayed profiles, press F7.

The Activate NetServer User (ActNetUsr) utility in this article offers another easy green-screen method for reenabling NetServer users. The utility also has the added benefit of showing how to implement the QZLSOLST (Open List of Server Information) and QZLSCHSI (Change Server Information) APIs, which let you retrieve and change server information.

The ActNetUsr utility (which has no parameters) executes in the following sequence:

1. First, it uses the QZLSOLST API to retrieve a list of disabled NetServer users.
2. For each user retrieved, the program sends the following inquiry message to the active job running ActNetUsr: NetServer user *user-name* disabled. Enable NetServer user (Y=Yes)?
3. If Y is specified, the program calls the QZLSCHSI API to enable the specified NetServer user.
4. When all users are processed, the program sends a final message:

NetServer user activation completed.

The ActNetUsr utility consists of source members ILE RPG program CBX110 ([Figure 1](#)), command CBX110X ([Figure 2](#)), and help text CBX110H ([Figure 3](#)). Each source member has the compile instructions included in its comments. To download all the code, go to [iSeriesNetwork.com/code](http://iSeriesNetwork.com/code).

Note that the QZLSOLST API provides a great deal more server information than this utility uses, including share, configuration, session, statistics, and connection information. The QZLSCHSI API lets you change much less information than is displayed in the QZLSOLST API. Changing some information with QZLSCHSI requires that you restart the server; fortunately, resetting disabled NetServer users doesn't require a restart. To use QZLSCHSI to reset users, you must have \*SECADM special authority and \*OBJMGT and \*USE authority to the system user profile. Also, to use the QZLSCHSI API, you must have \*IOSYSCFG special authority.

Finally, in addition to the QZLSOLST and QZLSCHSI APIs, the CBX110 program shows how to implement the QMHSDNPM (Send Program Message) and QMHRCVPM (Receive Program Message) APIs to send and retrieve messages from a message queue. "Helpful Links" on page ProVIP 44 provides URLs for other sources of information about all these APIs.

**Chuck Lundgren** is an *iSeries NEWS* senior technical editor.

**Carsten Flensburg** has been an iSeries programmer since 1992 and currently works as an iSeries programming team leader for a European vacation rental company called Novasol, which is a part of the U.S.-based Cendant Corporation. You can e-mail Carsten at [flensburg@novasol.dk](mailto:flensburg@novasol.dk).

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#### Helpful Links

Here are some other resources for finding additional information about reenabling disabled NetServer users and additional information about the APIs that this article discusses.

["Options to Display User Profiles That Are Disabled for IBM iSeries NetServer Use"](#)

[QZLSOLST API documentation](#)

[QZLSCHSI API documentation](#)

[QMHSNDPM API documentation](#)

[QMHRCVPM API documentation](#)

— *C.L.*

**Source URL:** <http://iprodeveloper.com/rpg-programming/easily-reenable-disabled-netserver-users>