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Carsten's Corner: New Command—Change Service Tools User (CHGSSTUSR)

[System iNetwork Systems Management Newsletter](#)

[Carsten Flensburg](#)

Carsten Flensburg

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The System Service Tools user IDs can be maintained through a number of interfaces, including Dedicated Service Tools (DST), System Service Tools (SST), and System i Navigator. In addition to these well-known resources, there's also the Change Service Tools User ID (QSYCHGDS) API. The QSYCHGDS API allows you to both rename a service tools user ID and change its password.

Sometimes starting up DST or SST or even System i Navigator is simply too time consuming compared to the simple operation of changing a SST user ID password, so based on the QSYCHGDS API, I've written a Change Service Tools User ID (CHGSSTUSR) CL command that allows you to perform this type of user ID maintenance from a command line or a CL program. The QSYCHGDS API also comes in handy if you manage more systems and you need to change SST user IDs or passwords across all of those systems.

To change a SST user ID's password using the Start Service Tools command, you must perform the following steps:

1. Run the Start System Service Tools (STRSST) command.
2. Specify your SST user ID and password as SST login credentials.
3. On the SST menu panel, select option 8.
4. On the Work with Service Tools User IDs and Devices menu panel, select option 1.
5. On the Work with Service Tools User IDs list panel, specify option 2 for the SST user ID whose password you want to change.
6. On the Change Service Tools User Password for Another User panel, specify the new password.

The CHGSSTUSR CL command is more or less simply exposing the QSYCHGDS API's parameters, allowing you to carry out all the above steps in one single operation, as documented in the command's prompt panel below:

```
Change Service Tools User ID (CHGSSTUSR)

Type choices, press Enter.

Requesting user ID . . . . . Name
Password . . . . .
```

```

Service tools user ID . . . . . Name, *SECURITY,
*FULL...
New service tools user ID . . . *SAME Name, *SAME

User ID password . . . . . *SAME

```

Additional Parameters

```

Request user ID length . . . . . *CALC 1-10, *CALC

Request password length . . . . . *CALC 1-128, *CALC

New user ID length . . . . . *CALC 1-10, *CALC

New password length . . . . . *CALC 1-128, *CALC

```

You specify your SST user ID and password as the requesting user ID and password. This is similar to the STRSST login procedure. Next, you specify the SST user ID to perform the operation against as the Service Tools user ID. You then have the option of specifying either a new Service Tools user ID if you want to rename the aforementioned SST user ID, or a user ID password if you want to change the SST user ID's password. If you want, you can also do both at the same time.

Note, that if 128-character, case-sensitive passwords are enabled for the Service Tools user IDs (DST password level 2), then **SAME* is not allowed for the user ID password value. Failing to comply with this rule causes the rather generic exception message "CPF3C1D Length specified in parameter 11 not valid to be returned." This implies that you have to specify a new password for the SST user ID, even if your original intention was to only rename the SST user ID. (More details can be found following the link at the end of this article pointing to password policies for Service Tools user IDs.)

In order to run the CHGSSTUSR command specifying a SST user ID different from the requesting SST user ID as the target of the command, the requesting SST user ID will need the Service Tool Security privilege. This requirement also applies if a rename operation is performed against the requesting SST user ID. You grant and revoke SST user ID privileges using option 7 from the Work with Service Tools User IDs list panel.

Pressing the function key F10=Additional Parameters on the initial CHGSSTUSR command prompt will enable you to specify the exact length of the user IDs and passwords, in case any of them include one or more trailing blanks. As always, the command also includes a cursor-sensitive help text panel group explaining in detail the command as well as its parameters.

The following source code is required when creating the CHGSSTUSR command:

- CBX803 -- RPGLE -- Change Service Tools User ID - CPP
- CBX803H -- PNLGRP -- Change Service Tools User ID - Help
- CBX803X -- CMD -- Change Service Tools User ID
- CBX803M -- CLP -- Change Service Tools User ID - Build command

To create all the above objects, compile and run the program CBX803M, following the instructions in the source header. As always, you'll also find compilation instructions in the respective source headers.

[Download the Source code for CHGSSTUSR.](#)

IBM documentation related to Service Tools

[Change Service tools user ID \(QSYCHGDS\) API](#)

[Accessing Service Tools](#)

[Managing Service Tools User ID](#)

[Password policies for Service Tools User IDs](#)

[Service Tools](#)

[Service Tools manual \(PDF\)](#)

Source URL: <http://iprodeveloper.com/systems-management/carstens-corner-new-command-change-service-tools-user-chgsstusr>