Password Changer – PWChange
Version 103
21Oct2005

Sometimes it happens, that a system user does not get interactive access to the system (e.g. a TACL), but to an application only (e.g. a GUI), where he has to authenticate himself with a system ID and the corresponding password. The beauty of this solution is, that these users are controlled by SAFEGUARD.
No big deal.

The problems starts, when these users are requested to change their passwords on a regular basis. To do so, they need interactive access to TACL, or the LOGON program.
While logging on to TACL, they can change the password. The disadvantage is, that they get access to that logged on TACL.
Using the LOGON program is similar, but the resources, started after a successful logon or password change, can be left empty.

The FreeWare tool PWChange makes it much easier.

PWChange is a small TAL program, that even can be started as a service in Telnet. It asks the user for his ID, and the corresponding password. When the user needs to change his password, he has to terminate the password with a comma (,), and PWChange guides him through the password change hand shake.
When the task is finished, the program simply stops. This also means: The user does NOT get any interactive access to the system.

PWChange supports GUARDIAN as well as Alias users, and the old and new (G06.27) password schema.

PWChange tries to find out, if it is started from an already logged on process. In case it is, it uses the related user and establishes a logon hand shake:

```
$GHS1 PWCHANGE 21> pwchange
PWChange (103) - T7172G06 - (21Oct2005)   System \BEECH, running NSK G06
Copyright (c) GreenHouse Software & Consulting 2005
You are user: SA.CARL

Provide the password.
In case you like to change it, terminate it with a comma (,)

Password:
```

In case there is no logged on process in the chain of ancestors of PWChange, the user is prompted for a user name:

```
Enter Choice> pwchange
PWChange (103) - T7172G06 - (21Oct2005)   System \BEECH, running NSK G06
Copyright (c) GreenHouse Software & Consulting 2005

Provide your system ID, e.g. ghs.carl
ID:
```

A password change session looks like this:

```
Enter Choice> pwchange
PWChange (103) - T7172G06 - (21Oct2005)   System \BEECH, running NSK G06
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Provide your system ID, e.g. ghs.carl
ID: ghs.carl

Provide the password.
In case you like to change it, terminate it with a comma (,)

Password:
Enter new password:
Reenter new password:
The password for user GHS.CARL has been changed.
Last Logon:  27 MAY 2005, 15:33
Last Unsuccessful Attempt: 08 FEB 2005, 13:22  Total Failures: 3

Task completed successfully.
```

PWChange uses the User_Authenticate_ system procedure and all its features. It does NOT manipulate the system files (USERID, LUSERID and such).

Security Settings

PWChange uses PRIV code to handle its start from TELSERV correct. This requires PWChange to be licensed (FUP LICENSE).

The optimal security settings of PWChange are:

Owner: SUPER.SUPER
RWEP: "OOAO"
LICENSED: YES

GreenHouse Software & Consulting
Carl Weber
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