

ReadMe.101
Password Status - PWState
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Version 102

30Jan2007

The Password Status tool displays a users password situation, and recommends actions like:

- can't change
- can change
- must change

The intention of the tool is to support the MYLOGIN ShareWare product which allows an interactive session on a Tandem system, where the users authenticity is derived from his successful client authentication. Because he no longer needs a password to logon to the Tandem system it may happen, that the NSK password is going to expire.

This small tool helps checking the users password status.

Command syntax is:

```
[run] PWState [/OUT <file>/] [-H[ELP]] | [<user>|*] [[,]DETAIL|BRIEF]
```

where:

- <file> defines the OUT device, to which messages are written. When not supported, the users home terminal is used. When not existent, an EDIT type file is created.
- HELP keyword; causes PWState to display the command syntax
- <user> is the user for which password status details have to be retrieved. You need to be:
 - SUPER.SUPER, or
 - the owner, or
 - yourselfdo successfully retrieve the information. When missing, the user of the PWState tool is evaluated.
- * the asterisk is a dummy user name, and causes PWState to evaluate its users password state.
- DETAIL causes PWSTATE to display detailed password information.
- BRIEF directs PWSTATE to display password relevant information only.

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A typical run looks like this:

```
$GHS1 PWSTATE 116> pwstate Carl,detail
PWState (102) - T7172H06 - (30Jan2007) System \GINKGO, running NSK H06
Copyright (c) GreenHouse Software & Consulting 2002,2005,2007
Password status for:    Carl
Password last change:  15Dec2002 13:23:33
Today:                  16Dec2002 12:13:59
Password may change:   *** None ***
Password expires:      *** None ***
User freezes:          *** None ***

Last real logon time:  16Dec2002 12:13:21
Current fail count:    1
Static fail count:     21
```

No password change configured.
The password is younger than 30 days and assumed to be OK.
\$GHS1 PWSTATE 117>

or

```
$GHS1 PWSTATE 56> pwstate sa.testuser,detail
PWState (100) - T7172G06 - (13Dec2002) System \BEECH, running NSK G06
Copyright (c) GreenHouse Software & Consulting 2002
Password status for:    SA.TESTUSER
Password last change:  14Dec2002 17:11:09
Today:                  16Dec2002 12:16:35
Password may change:   04Jan2003 00:00:00
Password expires:      02Feb2003 00:00:00
User freezes:          04Mar2003 00:00:00

Last real logon time:  15Dec2002 13:16:43
Current fail count:    0
Static fail count:     0
```

The password is too young and outside of the MayChange period.
BUT: You own the user, and can change the password any time.
\$GHS1 PWSTATE 57>

or

```
$GHS1 PWSTATE 70>pwstate,brief
No password change configured.
$GHS1 PWSTATE 71>
```

or

```
$GHS1 JOBARCH 36> pwstate,brief
Password last change: 30Jan2007 13:27:49
Password may change: 11Apr2007 00:00:00
Password expires:    10May2007 00:00:00
User freezes:        18Aug2007 00:00:00
The password is to young and outside of the MayChange period.
It can NOT be changed.
$GHS1 JOBARCH 37>
```

To change a password within an already logged on TACL session the user has choices:

1. Use of the PASSWORD program.
This method works even in case SAFEGUARD is NOT running.
2. Use of a re-logout, where the password is completed with a comma, e.g.
\$GHS1 PWSTATE 61> logon Carl
Password: [abcdefgh],
Enter new password: [12345678]
Reenter new password: [12345678]
The password for user Carl has been changed.
Last Logon: 16 DEC 2002, 12:13
Last Unsuccessful Attempt: 16 DEC 2002, 12:13 Total Failures: 21
\$GHS1 SECOM 62>
This method works only when SAFEGUARD is up and running.

Recommended security settings:

```
-----
Owner   = SUPER.SUPER
RWE    = "OOAO" or a SAFEGUARD equivalent
License = YES: PWState has to be licensed.
        This is NOT a security breach: Only the user, or his manager,
        can retrieve his password status.
        PWState does NOT retrieve information for IDs, not being owned
        by the user!
```

PWState is my Christmas Gift 2002 to all NSK users.
It is supported FreeWare.

In case you stumble into problems, please let me know, and I'll fix it asap.

Contact me at: Carl.Weber@GreenHouse.de

GreenHouse Software & Consulting
Carl Weber
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