

Security and Operation Free- and ShareWare for NonStop Systems

Carl Weber

GreenHouse Software & Consulting



Brief Intro

- 1978 start as an analyst with Tandem Germany
- 1979 first cryptographic program on \DUES
- 1985 specialization in SAFEGUARD & Security
- 1989 - 1993 successful evaluations (C2, F2/F7, Q3)
- 1994 start of GreenHouse Software & Consulting
- 31+ years on the best platform available



Brief FreeWare Intro

- Developed during the past 16+ years
- Based on GreenHouse needs and GreenHouse customer requests
- Fill gap of missing functions and tools
- Make life with NSK much easier and more secure
- Maintained
- New tools to come ...



Access

- Displays the access rights of a user on any object

```
$GHS1 SECOM700 35> access $system.sys01.osimage,user sa.carl
Evaluated file: $SYSTEM.SYS01.OSIMAGE
Access ruling done by: GUARDIAN
Read:          OK
Execute:       OK
Create:        OK
$GHS1 SECOM700 36>
```



Altfile

- Adjusts the Alternate Key file entries of structured files
- Helpful when moving structured files along with their alternate keys

```
▪$GHS1 ALTFILE 37> altfile *
▪ALTFILE (130) - T7172G06 - (10Mar2004)    System \GINKGO
▪Copyright (c) GreenHouse Software & Consulting 1996,1997,1999,2000,2004
▪\GINKGO.$GHS1.ALTFILE.EXECMGMT. . . . OK
▪\GINKGO.$GHS1.ALTFILE.EXECMOD . . . . OK
▪\GINKGO.$GHS1.ALTFILE.U2ACR . . . . OK
▪$GHS1 ALTFILE 38>
```



CALIASID

- Changes the ID of an Alias User

```
[run] CALIASID <Alias> [TO] <GUARDIAN ID>|<GUARDIAN-Name>
```

Example:

```
CALIASID CarlWeber to 100,6
```

```
CALIASID SuperSuper to 0,0
```



Change

- Changes a given string in a bunch of EDIT type files

```
[run] CHANGE [template];[B][W] /old/[new]/ or "old"[new]"  
          [;[B][W] /old/[new]/[; ...      ]]
```

[new] supports the key word CURRENTLOC, which is translated to the current location (\sys.\$vol.subvol).

e.g.:

```
run CHANGE *;BW /$DSMSCM.PWQASEEP/CURRENTLOC/  
$GHS1 CHANGE 44>
```



ChildsOf

- Displays all processes related to an ancestor

```
$GHS1 CHANGE 45> childsof $spl  
Scanning for children of: $SPLS  
0,426      $S          $SYSTEM.SYSTEM.CSPOOL (P)  
0,427      $SP        $SYSTEM.SYSTEM.CSPOOL (P)  
0,428      $LANPP     $SYSTEM.SYSTEM.FASTPTCP  
1,394      $SP        $SYSTEM.SYSTEM.CSPOOL (B)  
1,395      $S          $SYSTEM.SYSTEM.CSPOOL (B)
```

```
Total number of found children: 5
```

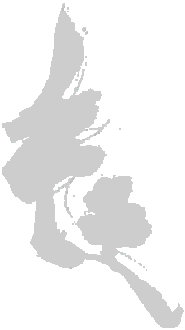
```
$GHS1 CHANGE 46>
```



CleanRPW

- Manages orphaned Remote Passwords

```
[RUN] CLEANRPW [-H[ELP] | L[IST] | [sys-num | * | USER <user>]
```



Crypt

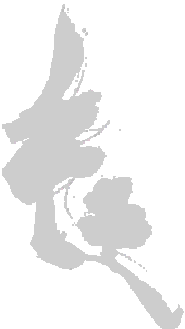
- DES based encoder/decoder
- Processes all ENSCRIBE type files
- Pass Phrase driven



CUinACL

- Changes the ID in existing ACLs

```
[run] CUINACL [/OUT[<file>]/] <type> [<name>],<old-user> [TO] <new-user>
```



DelOACL

- Manages orphaned ACLs of all objects:
 - displays them
 - optionally deletes them
 - keeps the original settings in a file for restoration
- Supports Disk File Pattern
- Showtime



DES

- Bunch of DES procedures to be used in programs
 - Various Code Book
 - Various Cipher Block Chaining
 - Triple and Trio DES
- ISO HASH for password compression
- High performance
- Base of cryptography in PAK/UNPAK



GenPW

- Generates 'readable' passwords
- Show time



GetInfo

- Saves all SAFEGUARD settings in an OBEY file
- Use it BEFORE introducing major changes to SAFEGUARD



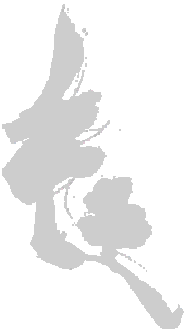
GetPWSS

- Displays all PATHWAY security settings
 - Ideal tool to find loop holes in your system
 - Perfect cook book for hackers!
-
- Show Time



LastOpen

- Lists the file attributes
 - LASTOPEN
 - CREATION
 - LAST MODIFICATION
- Sorts the output according to your needs
- Show Time



MyInfo & MyPurge

- Enhanced FILEINFO/PURGE
- Support of WHERE clause
- Show Time



MyUser

- Displays all GUARDIAN as well as Alias users mapped to a given ID

- Show Time



NoACL

- Displays all disk files lacking an effective ACL



NSK-PKZIP

- ZIPs and UNZIPs files on Tandem
- Courtesy of Theo Mandema



Orphans

- Manages orphaned disk files
 - displays them
 - gives them to a new owner
 - deletes them



PPD

- Displays sorted PPD entries
- Supports wildcards

- Showtime



PurgeDat

- Performs a PURGEDATA on files and all
- Related alternate key files

```
[run] PURGEDAT [/OUT <file>/] <template> [ ,DEALLOCATE ] [!]
```



PurgeTMP

- Purges outdated temporary disk files
- Prevents a DoS attack

- Show time



Remotes

- Displays remote passwords



SaveAudi

- Saves SAFEGUARD and EMS audit files on a regular basis to a defined location



Secure

- Intelligent SECURE
- Supports wildcards for “RWE” settings
- Show Time



SetRPW

- Sets a remote password for an even non existing system
- Does make a lot of sense e.g. when expanding the EXPAND network

```
[RUN] SETRPW [-H[ELP] | |<user>[,]<sys-num>[,]<rpw> [!]]
```



ShowLib

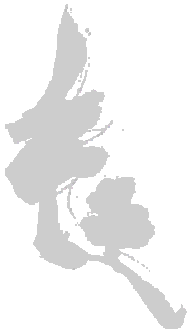
- Displays libraries, bound to executables
- A LIB is a Trojan Horse by definition!

- Show Time



ToFo

- Tandem Object File Optimizer
- Adjusts the Extent Size on object files with code:
 - 100
 - 180
 - 700
 - 800and minimizes the used disk space



Trace

- Displays a process chain
- Show Time



TrashPW

- Trashes a users password



Whols

- Displays actual system users
- Show Time



Free- ShareWare Intro

- Developed during the past 15+ years
- Fill gap between products and FreeWare
- Make life with NSK even easier and more secure
- Can freely be used, but a small fee is welcome



ListLib

- Listner Library
- Controls orphaned FTP sessions
- Prevents a DoS attack



SECOM-L

- Light version of SECOM
- Performs controlled ID hopping
- Show Time



**Where to get all this...
... And even more??**

[www. GreenHouse.de](http://www.GreenHouse.de)



Questions?

