

WHOIS

Version 210

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greenHouse
Software & Consulting
Karl-Heinz Weber
Heinrichstraße 12
D-45711 Datteln/Horneburg

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If you have questions or problems concerning the content of this document, please let me know! Send your comments to:

GreenHouse Software & Consulting

Karl-Heinz Weber

Heinrichstraße 12

D-45711 Datteln/Horneburg

Germany

Phone +49 (0)2363 72566

Fax +49 (0)2363 66106

Mobile +49 (0)172 23 18248

E-Mail: Info@GreenHouse.de

Internet: www.GreenHouse.de

PGP fingerprint: 3A32 D90A D125 5418

1150 2484 6629 2DD2





WhoIS - Who is

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1. Introduction

Starting with GUARDIAN D30, Alias users are introduced to the system, and co-exist beside GUARDIAN users.

An Alias user has its own name (which is case sensitive), an individual password, individual Remote Passwords, and DEFAULT values (GUARDIAN security, DEFAULT volume, SAFEGUARD default ACL).

This is the good news.

The bad news is that an Alias is mapped to a GUARDIAN-ID when he successfully has passed the authentication procedure. This means, that the ID of a running process does NOT show the real user behind it, which might be an Alias user. It is even worse, when several different Alias users are mapped into one GUARDIAN-ID.

WhoIs is the solution: It displays the real ID behind a GUARDIAN ID when there is one.

WhoIs displays the following user information:

- Alias Name (if the user has logged on with an Alias name, e.g. Weber_Carl)
- GUARDIAN name (group.name, e.g. GHS.CARL)
- GUARDIAN ID (groupID,userID, e.g. 100,5)
- home terminal
- window address of home terminal (IP or X.25 DTE address)
- resource
- resources start time, and age

WhoIs supports two types of Telnet processes:

1. The Tandem standard Telnet, started from \$SYSTEM.SYSnn.TELNET
2. The Gemini product STN, version A54 or newer

2. Installation

WhoIs is a TAL program, which uses D30 GUARDIAN procedure calls.

WhoIs runs on GUARDIAN D30 and better, NOT on D20 and older.

WhoIs does NOT run PRIV code.

For ease of use, put WhoIs into a volume which is in the PMSEARCH-path, e.g. \$SYSTEM.SYSTEM (\$SYSTEM.SYSTEM.WHOIS).

Make the system administrator the owner of WhoIs.

Secure WhoIs to: "OOAO" or "OONO" (GUARDIAN) or the appropriate SAFEGUARD ACL.

Native versions in code 700 and 800 are part of the delivery.



3. Runtime

WhoIs is started from the TACL prompt.

Command syntax is:

```
WHOIS [/OUT outfile/] [param]
```

where

outfile Is the file where the output is directed to.
 In case the file does not exist, it is created as an EDIT type
 file. In case the file does exist, the output is written to
 that file.

param is one of the following:

when missing displays users name

\$process displays the username of the requested process

CPU,PIN displays the username of the requested PIN

\$vol.subvol.name displays the users of the program

ON[,BRIEF] displays all processes in logged on state.
 The optional key word BRIEF causes WhoIs to display
 the user, and program file only.

user displays all logged on processes of a given user



WHOIS \$process

Displays the username of the requested process.

e.g. WHOIS \$Z091 displays the current user of process \$Z091

Example 1: User is logged on as GUARDIAN user:

```
$GHS1 SECOM 20> whois $z076
WHOIS (201) - T7172H06 - (21Apr2008) System \GINKGO
Copyright (c) GreenHouse Software & Consulting 1997-1998,2000,2002-2006,2008
```

```
$Z076      GUARDIAN user SA.CARL (ID 100,5)
           Home Terminal:  \BEECH.$ZTN00.#PTADRLE
           Client Address: 192.231.36.1 1169
           Tandem Address: 192.231.36.80 23
           Process start time: 06Sep2006 08:27:13; Age:      01:06:58
           Process inherited logon
           Exact process ID is: \BEECH.$Z076:2197049
```

```
$GHS1 SECOM 21>
```

Example 2: User is logged on as Alias User:

```
$GHS1 SECOM 21> whois $z076
WHOIS (201) - T7172H06 - (21Apr2008) System \GINKGO
Copyright (c) GreenHouse Software & Consulting 1997-1998,2000,2002-2006,2008
```

```
$Z076      Alias user Carlito (GUARDIAN Name SA.CARL, ID 100,5)
           Home Terminal:  \BEECH.$ZTN00.#PTADRLE
           Client Address: 192.231.36.1 1169
           Tandem Address: 192.231.36.80 23
           Process start time: 06Sep2006 08:27:13; Age:      01:06:58
           Process is logged on
           Exact process ID is: \BEECH.$Z076:2197049
```

```
$GHS1 SECOM 22>
```



WHOIS CPU,PIN

Displays the username of the requested process ID.
e.g. WHOIS 1,309 displays the current user of process 1,309

Example 1: User is logged on as GUARDIAN user:

```
$GHS1 SECOM 24> whois 0,335  
WHOIS (201) - T7172H06 - (21Apr2008) System \GINKGO  
Copyright (c) GreenHouse Software & Consulting 1997-1998,2000,2002-2006,2008
```

```
0,335    GUARDIAN user SA.CARL (ID 100,5)  
Home Terminal:  \BEECH.$ZTN00.#PTADRLF  
Client Address: 192.231.36.1 1170  
Tandem Address: 192.231.36.80 23  
Process start time: 06Sep2006 08:22:58; Age:      01:12:57  
Process is logged on  
Exact process ID is: \BEECH.$ZTN00:1643064
```

```
$GHS1 SECOM 25>
```

Example 2: User is logged on as Alias User:

```
$GHS1 SECOM 25> whois 1,339  
WHOIS (201) - T7172H06 - (21Apr2008) System \GINKGO  
Copyright (c) GreenHouse Software & Consulting 1997-1998,2000,2002-2006,2008
```

```
1,339    Alias user Carlito (GUARDIAN Name SA.CARL, ID 100,5)  
Home Terminal:  \BEECH.$ZTN00.#PTADRLE  
Client Address: 192.231.36.1 1169  
Tandem Address: 192.231.36.80 23  
Process start time: 06Sep2006 08:22:58; Age:      01:12:57  
Process is logged off  
Exact process ID is: \BEECH.$ZTN00:1643064
```

```
$GHS1 SECOM 26>
```



WHOIS \$vol.subvol.name Displays the users, having a program, created from \$vol.subvol.name running in logged on state. Primary as well as backup processes are shown.
e.g. WHOIS \$system.sys00.taclh displays all processes, running from \$system.sys00.taclh and their users. Only fully qualified file names are supported.

Example:

```
$SYSTEM NOSUBVOL 7> whois $system.sys00.taclh
WHOIS (201) - T7172H06 - (21Apr2008) System \GINKGO
Copyright (c) GreenHouse Software & Consulting 1997-1998,2000,2002-2006,2008

0,489  GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN0.#PTMVAAB
      Client Address: 192.231.36.1 1989
      Tandem Address: 192.231.36.100 23
      Process start time: 21Apr2008 13:26:58; Age:      00:42:14
      Process inherited logon

0,490  B GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN5.#PTJQXEK
      Client Address: 192.231.36.1 1987
      Tandem Address: 192.231.36.105 23
      Process start time: 21Apr2008 13:26:58; Age:      00:42:13
      Process inherited logon

0,491  B GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN1.#PTN1AAA
      Client Address: 192.231.36.1 1988
      Tandem Address: 192.231.36.101 23
      Process start time: 21Apr2008 13:26:58; Age:      00:42:13
      Process inherited logon

0,492  B GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN0.#PTMVAAA
      Client Address: 192.231.36.1 1986
      Tandem Address: 192.231.36.100 23
      Process start time: 21Apr2008 13:26:58; Age:      00:42:13
      Process inherited logon

0,493  B GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN4.#PT8AAAA
      Client Address: 192.231.36.1 1985
      Tandem Address: 192.231.36.104 23
      Process start time: 21Apr2008 13:26:59; Age:      00:42:13
      Process inherited logon

0,495  B GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN2.#PT4UQAA
      Client Address: 192.231.36.1 1990
      Tandem Address: 192.231.36.102 23
      Process start time: 21Apr2008 13:27:05; Age:      00:42:07
      Process inherited logon

1,547  GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN0.#PTMVAAA
      Client Address: 192.231.36.1 1986
      Tandem Address: 192.231.36.100 23
      Process start time: 21Apr2008 13:26:57; Age:      00:42:15
      Process inherited logon

$SYSTEM NOSUBVOL 8>
```

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WHOIS ON

Displays all processes in logged on state along with their users and the program name.

Example:

```
$GHS1 SECOM600 11> whois on
WHOIS (201) - T7172H06 - (21Apr2008) System \GINKGO
Copyright (c) GreenHouse Software & Consulting 1997-1998,2000,2002-2006,2008

0,603  GUARDIAN user GHS.CHRISTI (ID 200,6)
      Home Terminal:  \GINKGO.$ZTN0.#PTY9K4U
      Client Address: 192.231.36.107 3534
      Tandem Address: 192.231.36.100 23
      Process start time: 21Apr2008 10:51:16; Age:      03:07:08
      Process inherited logon
      $SYSTEM.SYS00.TACLH
      Lib: *** $GHS1.LAUNCHER.LLIB ***
0,817  GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN1.#PT4HGHJ
      Client Address: 192.231.36.1 1621
      Tandem Address: 192.231.36.101 23
      Process start time: 21Apr2008 13:11:49; Age:      00:46:35
      Process inherited logon
      $SYSTEM.SYS00.TACLH
      Lib: *** $GHS1.LAUNCHER.LLIB ***
0,818  GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN0.#PTY9K4X
      Client Address: 192.231.36.1 1622
      Tandem Address: 192.231.36.100 23
      Process start time: 21Apr2008 13:11:49; Age:      00:46:35
      Process inherited logon
      $SYSTEM.SYS00.TACLH
      Lib: *** $GHS1.LAUNCHER.LLIB ***
0,819  GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTN5.#PTT8SAB
      Client Address: 192.231.36.1 1620
      Tandem Address: 192.231.36.105 23
      Process start time: 21Apr2008 13:11:49; Age:      00:46:35
      Process inherited logon
      $SYSTEM.SYS00.TACLH
      Lib: *** $GHS1.LAUNCHER.LLIB ***
$GHS1 SECOM600 2>
```



WHOIS ON,BRIEF

Displays all processes in logged on state in brief notation.

Example:

```
$GHS1 WHOIS 7> whois on,brief
WHOIS (210) - T7172H06 - (11Jun2014)   System \GINKGO, running NSK H06.26
Copyright (c) GreenHouse Software & Consulting 1997..2014

Alias user Christian (GUARDIAN Name GHS.CHRISTI, ID 200,6)
$Z094      $SYSTEM.SYS01.TACL

Alias user Christian (GUARDIAN Name GHS.CHRISTI, ID 200,6)
$Z09H      $SYSTEM.SYS01.TACL

Alias user Christian (GUARDIAN Name GHS.CHRISTI, ID 200,6)
$Z09M      $SYSTEM.SYS01.TACL

GUARDIAN user SUPER.SUPER (ID 255,255)
$ZPM       $SYSTEM.SYS01.ZPM

$GHS1 WHOIS 8>
```



WHOIS user

Displays all processes in logged on state of a given user.
<user> can be a GUARDIAN user, or an Alias user. Depending of the nature of the name, it might be case sensitive.

Example:

```
$GHS1 WHOIS 22> whois Carlito
WHOIS (201) - T7172H06 - (21Apr2008) System \GINKGO
Copyright (c) GreenHouse Software & Consulting 1997-1998,2000,2002-2006,2008
```

```
0,296 Alias user Carlito (GUARDIAN Name SA.CARL, ID 100,5)
Home Terminal: \BEECH.$ZTN00.#PTRNAAB
Client Address: 192.231.36.1 1176
Tandem Address: 192.231.36.80 23
Process start time: 06Sep2006 08:41:52; Age: 00:58:32
Process is logged on
$SYSTEM.SYS27.TACLH
```

```
$GHS1 WHOIS 23>
```

```
$GHS1 SECOM600 3> whois super.super
WHOIS (201) - T7172H06 - (21Apr2008) System \GINKGO
Copyright (c) GreenHouse Software & Consulting 1997-1998,2000,2002-2006,2008
```

```
1,340 GUARDIAN user SUPER.SUPER (ID 255,255)
Home Terminal: \BEECH.$ZTN00.#PTRNAAA
Client Address: 192.231.36.1 1174
Tandem Address: 192.231.36.80 23
Process start time: 06Sep2006 08:41:50; Age: 00:59:31
Process is logged on
$SYSTEM.SYS27.TACLH
```

```
$GHS1 SECOM600 4>
```

5. Subtype 30 Processes

In case the home terminal of a process is a subtype 30 process (this is the case when using MPWD, or the SECOM Tracer program to capture a users interactive session), WhoIs traces the chain of processes to find the IP address that is used by the subtype 30 process.

The output of WhoIs then looks like this:

```
$GHS1 WHOIS 4>whois
WHOIS (131) - T7172G06 - (13May2005)   System \BEECH
Copyright (c) GreenHouse Software & Consulting 1997-1998,2000,2002-2005

You are the GUARDIAN user SA.CARL (ID 100,5)
Home Terminal:  \BEECH.$Z03S
Client Address: 192.231.36.1 1109
Tandem Address: 192.231.36.81 23 (\BEECH.$ZTN01.#PTKVAAC)
$GHS1 WHOIS 5>
```

The real Telnet terminal is displayed, along with the IP address.

6. Summary

- WHOIS Displays users name
- WHOIS \$process Displays the username of requested process
- WHOIS CPU,PIN Displays the username of requested PIN
- WHOIS \$vol.subvol.name Displays the users of the program
- WHOIS ON[BRIEF] Displays all processes in logged on state
- WHOIS user Displays all logged on processes of user

7. User and File name collisions

WHOIS checks the start-up parameter string for a valid user name, before it treats it as a disk file name. To make sure, that WHOIS behaves correctly, use fully qualified disk file names only.

In case of any question, please feel free to contact me at:

GreenHouse Software & Consulting
Carl Weber
Heinrichstraße 12
D-45711 Datteln/Horneburg
Germany
E-Mail: Info@GreenHouse.de

