

# WHOIS

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 **greenHouse**  
Software & Consulting

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# 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



## 4. Examples

### WHOIS

Displays the users name

Example 1: User is logged on as GUARDAIN user:

```
$GHS1 SECOM600 3> whois
```

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

```
You are the GUARDIAN user SA.CARL (ID 100,5)
      Home Terminal:  \GINKGO.$ZTNP1.#PTVAAAA
      Client Address: 192.231.36.90 1044
      Tandem Address: 192.231.36.94 23
```

```
$GHS1 SECOM600 4>
```

The IP address of the Emulator is shown only in case the users terminal is a Win6530 type terminal from comForte.

Example 2: User is logged on as Alias User:

```
$SYSTEM GHS 5> whois
```

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

```
You are the Alias user Carlito (GUARDIAN Name SA.CARL, ID 100,5)
      Home Terminal:  \GINKGO.$ZTNP1.#PTVAAAA
      Client Address: 192.231.36.90 1044
      Tandem Address: 192.231.36.94 23
```

```
$SYSTEM GHS 6>
```



**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 GUARDAIN 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 GUDRDIAN 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.

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