

IdentD.doc

COLLABORATORS

	<i>TITLE :</i> IdentD.doc		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		August 4, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	IdentD.doc	1
1.1	RFC 1413 Authentication Daemon for AmiTCP/IP	1
1.2	Purpose of IdentD	1
1.3	Features of IdentD	2
1.4	Installation of IdentD	2
1.5	Troube Shooting	2
1.6	History of IdentD	3
1.7	Copyright and other legal topics	3
1.8	Hall of Fame	4
1.9	How to reach the Author	4

Chapter 1

IdentD.doc

1.1 RFC 1413 Authentication Daemon for AmiTCP/IP

IdentD V1.1

=====

A RFC 1413 compliant Authentication Daemon for AmiTCP/IP 4.x

Purpose

Features

Installation

Trouble Shooting

History

Copyright

Acknowledgements

Author

Copyright (c) 1995 by

Matthias Scheler

.

1.2 Purpose of IdentD

Extract from RFC 1413:

The Identification Protocol (a.k.a., "ident", a.k.a., "the Ident Protocol") provides a means to determine the identity of a user of a particular TCP connection. Given a TCP port number pair, it returns a character string which identifies the owner of that connection on the server's system.

IdentD is a daemon for AmiTCP/IP 4.x which answers identification requests defined in this RFC. With this server installed you will get rid of this

ugly "~" in front of your login name on IRC or get into privileged FTP access classes on some FTP servers.

If you prefer anonymity and don't want to relevelate your login name this way you should not install IdentD.

1.3 Features of IdentD

Features of IdentD are:

- RFC 1413 compliant
- works with AmiTCP/IP 4.x
- timeout for hanging connections
- uses operating system names defined in RFC 1700
- no dummy: it will really check wether a connection exists
- authentication can be disabled for certain users

1.4 Installation of IdentD

These steps are required to install IdentD:

- 1.) Copy the binary "serv/identd" to "AmiTCP:serv/identd".
- 2.) Add the contents of "db/inetd.conf.add" to "AmiTCP:db/inetd.conf".
- 3.) If you use AmiTCP/IP 4.0 Demo you have to restart AmiTCP/IP.

If you want to disable authentication for an user create a file called ".noidentd" in his home directory.

1.5 Troube Shooting

There are several reasons why authentication may fail:

- 1.) You made an error during the installation.

You can check the correct installation with this command:

```
telnet localhost 113
```

AmiTCP/IP's response should look like this:

```
AmiTCP/IP_telnet 4.1 (6.8.94)
Trying localhost ...
Connected to localhost.
```

Now enter this:

```
4,2
```

You should get this response:

```
4, 2 : ERROR : INVALID-PORT
Connection closed by foreign host.
```

2.) Wrong login name

IdentD returns the name of AmiTCP/IP's current user. So if you are logged in as "root" but use an IRC client as "joe" identification will fail of course.

3.) Multiple IP addresses

Some hosts have multiple IP addresses ("ftp.uni-paderborn.de" e.g. has two IP addresses for Ethernet and one for FDDI). If you connect to such a host it might happen that the host uses another IP address for the identification request than your host uses for the TCP connection. In this case IdentD will not be able to find the connection and respond with an INVALID-PORT error. As a result the authentication will fail.

The only way to avoid this problem is to try all addresses until the authentication is successful. But due to dynamic routing the "right" IP address might change.

1.6 History of IdentD

1.0:

- first public release

1.1:

- fixed wrong error message on query for non existing connection

1.7 Copyright and other legal topics

IdentD (c) 1995 by Matthias Scheler

Permission is granted to make and distribute verbatim copies of this manual provided the copyright notice and this permission notice are preserved on all copies.

No guarantee of any kind is given that the program described in this document is 100% reliable. You are using this material at your own risk. The author *can not* be made responsible for any damage which is caused by using these programs.

This package is freely distributable, but still copyright by Matthias Scheler. This means that you can copy it freely as long as you

don't ask for more than nominal copying fee.

Permission is granted to include this package in Public-Domain collections, especially in Fred Fish's Amiga Disk Library (including CD ROM versions of it) and one of the AmiNet CD ROMs. The distribution file may be uploaded to Bulletin Board Systems or FTP servers. If you want to distribute this program you must use the unmodified distribution archive.

IdentD must NOT be included or used in commercial programs unless by written permission from the author.

IdentD must NOT be used on any machine which is used for the research, development, construction, testing or production of weapons or other military applications. This also includes any machine which is used for training persons for *any* of the above mentioned purposes.

1.8 Hall of Fame

I would like to thank the following people:

Network Solutions Development Inc.

for writing AmiTCP/IP, in my opinion the best TCP/IP protocol stack for AmigaOS

M. St. Johns

for creating RFC 1413

Ignatios Souvatzis

for sending the registration of AmigaOS to the IANA

Daniel Rödding

for supplying me my first SLIP account

Stefan Gybas

for giving me a hint how to get AmiTCP/IP's network connection list

Jörg Krause and Stefan Becker

for Beta testing IdentD

1.9 How to reach the Author

The author can be reached as:

Matthias Scheler
Schützenstraße 18
D-33178 Borcheln
Germany

E-Mail: tron@lyssa.owl.de
