

IdentD.doc

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Chapter 1

IdentD.doc

1.1 RFC 1413 Authentication Daemon for AmiTCP/IP

IdentD V1.1

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

Purpose

Features

Installation

Trouble Shooting

History

Copyright

Acknowledgements

Author

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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

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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

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