NAME

tcpdmatch - tcp wrapper oracle

SYNOPSYS

tcpdmatch [-d] [-i inet_conf] daemon client

tcpdmatch [-d] [-i inet_conf] daemon[@server] [user@]client

DESCRIPTION

tcpdmatch predicts how the tcp wrapper would handle a specific request for service. Examples are given below.

The program examines the *tcpd* access control tables (default */etc/hosts.allow* and */etc/hosts.deny*) and prints its conclusion. For maximal accuracy, it extracts additional information from your *inetd* or *tlid* network configuration file.

When *tcpdmatch* finds a match in the access control tables, it identifies the matched rule. In addition, it displays the optional shell commands or options in a pretty-printed format; this makes it easier for you to spot any discrepancies between what you want and what the program understands.

ARGUMENTS

The following two arguments are always required:

daemon

A daemon process name. Typically, the last component of a daemon executable pathname.

client

A host name or network address, or one of the 'unknown' or 'paranoid' wildcard patterns.

When a client host name is specified, *tcpdmatch* gives a prediction for each address listed for that client.

When a client address is specified, *tcpdmatch* predicts what *tcpd* would do when client name lookup fails.

Optional information specified with the *daemon@server* form:

server

A host name or network address, or one of the 'unknown' or 'paranoid' wildcard patterns. The default server name is 'unknown'.

Optional information specified with the *user@client* form:

user
A client user identifier. Typically, a login name or a numeric userid. The default user name is 'unknown'.

OPTIONS

-d Examine *hosts.allow* and *hosts.deny* files in the current directory instead of the default ones.

-i inet_conf
Specify this option when *tcpdmatch* is unable to find your *inetd.conf* or *tlid.conf* network configuration file, or when you suspect that the program uses the wrong one.

EXAMPLES

To predict how *tcpd* would handle a telnet request from the local system:

```
tcpdmatch in.telnetd localhost
```

The same request, pretending that hostname lookup failed:

```
tcpdmatch in.telnetd 127.0.0.1
```

To predict what tcpd would do when the client name does not match the client address:

```
tcpdmatch in.telnetd paranoid
```

On some systems, daemon names have no 'in.' prefix, or *tcpdmatch* may need some help to locate the inetd configuration file.

FILES

The default locations of the *tcpd* access control tables are:

/etc/hosts.allow
/etc/hosts.deny

SEE ALSO

tcpdchk(8), tcpd configuration checker
hosts_access(5), format of the tcpd access control tables.
hosts_options(5), format of the language extensions.
inetd.conf(5), format of the inetd control file.

tlid.conf(5), format of the tlid control file.

AUTHORS

Wietse Venema (wietse@wzv.win.tue.nl),
Department of Mathematics and Computing Science,
Eindhoven University of Technology
Den Dolech 2, P.O. Box 513,
5600 MB Eindhoven, The Netherlands