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Rocky Enterprise Linux 9.2 Manual Pages on command 'Net::Config.3perl'

\$ man Net::Config.3perl

Net::Config(3perl) Perl Programmers Reference Guide Net::Config(3perl)

NAME

Net::Config - Local configuration data for libnet

SYNOPSIS

```
use Net::Config qw(%NetConfig);
```

DESCRIPTION

"Net::Config" holds configuration data for the modules in the libnet distribution. During installation you will be asked for these values.

The configuration data is held globally in "/etc/perl/Net/libnet.cfg", but a user may override any of these values by providing their own. This can be done by having a ".libnetrc" file in their home directory. This file should return a reference to a HASH containing the keys described below. For example

```
# .libnetrc
{
  nntp_hosts => [ "my_preferred_host" ],
  ph_hosts  => [ "my_ph_server" ],
}
__END__
```

Class Methods

"Net::Config" defines the following methods. They are methods as they are invoked as class methods. This is because "Net::Config" inherits from "Net::LocalCfg" so you can override these methods if you want.

"requires_firewall(\$host)"

Attempts to determine if a given host is outside your firewall. Possible return values are.

-1 Cannot lookup hostname

0 Host is inside firewall (or there is no ftp_firewall entry)

1 Host is outside the firewall

This is done by using hostname lookup and the "local_netmask" entry in the configuration data.

NetConfig Values

nntp_hosts

snpp_hosts

pop3_hosts

smtp_hosts

ph_hosts

daytime_hosts

time_hosts

Each is a reference to an array of hostnames (in order of preference), which should be used for the given protocol

inet_domain

Your internet domain name

ftp_firewall

If you have an FTP proxy firewall (NOT an HTTP or SOCKS firewall) then this value should be set to the firewall hostname. If your firewall does not listen to port 21, then this value should be set to "hostname:port" (eg "hostname:99")

ftp_firewall_type

There are many different ftp firewall products available. But unfortunately there is no standard for how to traverse a firewall. The list below shows the sequence of commands that Net::FTP will use

user Username for remote host

pass Password for remote host

fwuser Username for firewall

fwpass Password for firewall

remote.host The hostname of the remote ftp server

0 There is no firewall

1

USER user@remote.host

PASS pass

2

USER fwuser

PASS fwpass

USER user@remote.host

PASS pass

3

USER fwuser

PASS fwpass

SITE remote.site

USER user

PASS pass

4

USER fwuser

PASS fwpass

OPEN remote.site

USER user

PASS pass

5

USER user@fwuser@remote.site

PASS pass@fwpass

6

USER fwuser@remote.site

PASS fwpass

USER user

PASS pass

7

USER user@remote.host

PASS pass

AUTH fwuser

RESP fwpass

ftp_ext_passive

ftp_int_passive

FTP servers can work in passive or active mode. Active mode is when you want to transfer data you have to tell the server the address and port to connect to. Passive mode is when the server provide the address and port and you establish the connection.

With some firewalls active mode does not work as the server cannot connect to your machine (because you are behind a firewall) and the firewall does not re-write the command. In this case you should set "ftp_ext_passive" to a true value.

Some servers are configured to only work in passive mode. If you have one of these you can force "Net::FTP" to always transfer in passive mode; when not going via a firewall, by setting "ftp_int_passive" to a true value.

local_netmask

A reference to a list of netmask strings in the form "134.99.4.0/24". These are used by the "requires_firewall" function to determine if a given host is inside or outside your firewall.

The following entries are used during installation & testing on the libnet package

test_hosts

If true then "make test" may attempt to connect to hosts given in the configuration.

test_exists

If true then "Configure" will check each hostname given that it exists

EXPORTS

The following symbols are, or can be, exported by this module:

Default Exports

%NetConfig.

Optional Exports

None.

Export Tags

None.

KNOWN BUGS

None.

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1.22_02.

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LICENCE

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VERSION

Version 3.13

DATE

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HISTORY

See the Changes file.

perl v5.34.0

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