

## 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 a file in the perl installation tree, 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__
```

## 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