NAME

mixminionrc – Mixminion client configuration file

SYNOPSIS

$HOME/.mixminionrc
$HOME/mixminionrc

DESCRIPTION

mixminion reads its configuration first from the command line, then from its configuration file, then from its built-in defaults. To find a configuration file, the software looks:

1. In the configuration file specified with the command-line **-f** | **--config** flag, if any.
2. $HOME/.mixminionrc
3. $HOME/mixminionrc

If **mixminion** starts with no available configuration file, it creates one in the default location.

The file itself is line-based, with lines grouped into sections. Blank line and lines beginning with '#' are treated as comments. All section headings and entries must appear in the first column.

Each non-comment line is either a section header, of the format "[SectionName]", or an entry of the format "Key: Value". All names are case-sensitive. Unless otherwise noted, sections and entries may appear in any order, but no section or entry may appear more than once.

We describe the recognized entry keys below, grouped by section.

The [Host] Section

ShredCommand   A program (such as 'shred -u') used to securely delete files. [Default: use internal overwrite-and-delete functionality.]

EntropySource   A character device to provide secure random data for generating keys and seeding the internal pseudorandom number generator. Not used on Windows. [Default: try /dev/random, /dev/srandom, and /dev/random in an appropriate order.]

TrustedUser   The username of a user who should not trigger "file paranoia". For example, if /home/ is owned by the user "system", setting "TrustedUser: system" would prevent warnings on startup. This option may appear more than once. [Default: none.]

FileParanoia   Boolean: If true, check file permissions on private files and directories and their parents. [Default: yes]

The [User] Section

UserDir   Location to store a user's queued packets, cached directories, and so on. [Default: $HOME/.mixminion/]

The [Security] Section

SURBAddress   Default address to use when generating SURBs without the **-t** option. [Default: none]

SURBLifetime   Default lifetime for generated SURBs. [Default: 7 days]

ForwardPath	Default path to use when generating forward (non-reply, non-SURB) packets. [Default: ˜5]
ReplyPath	Default path to use when generating reply packets. [Default: ˜5]
SURBPath	Default path to use when generating SURBs. [Default: ˜5]
BlockServers	A list of servers that should not be used when choosing random servers in path generation. This option may appear more than once. This servers will still be used if specifically requested. [Default: none]
BlockEntries	A list of servers that should not be used when choosing a random first server in path generation. This option may appear more than once. This servers will still be used if specifically requested. [Default: none]
BlockExits	A list of servers that should not be used when choosing a random last server in path generation. This option may appear more than once. This servers will still be used if specifically requested. [Default: none]

The [DirectoryServers] Section

DirectoryTimeout	Maximum interval to wait for an answer when downloading a directory. [Default: 1 minute.]

The [Network] Section

ConnectionTimeout	Maximum length of time to wait for an answer when opening a connection to a remote server. [Default: 2 minutes]

Argument Formats

Boolean values	Boolean values are case-insensitive. "Yes", "y", "1", "true", and "on" are considered true; "No", "n", "0", "false" and "off" are considered false.
Intervals of time	Time intervals are given as a floating-point value, and a unit. The units may be single or plural. Recognized units are "second", "sec", "minute", "min", "hour", "day", "week", "month" (30 days), "mon", and "year" (365 days). "1.5 hour", "90 min", "90 minutes", and "5400 sec" are all the same value.
Lists	Lists of servers are separated by commas. Space is permitted, but not required.
Paths	The **ForwardPath**, **ReplyPath**, and **SURBPath** entries expect path specifiers. See mixminion(1) for information on the proper format.

EXAMPLE

```
[Host]
# Don't try to overwrite files before removing them.
ShredCommand: rm -f
# Read entropy from /dev/urandom
EntopySource: /dev/urandom

[DirectoryServers]
DirectoryTimeout: 1 minute

[User]
```

```
# Store data in ~/share/mixminion/, instead of ~/.mixminion/
UserDir: ~/share/mixminion/

[Security]
SURBAddress: my-address@example.com
ForwardPath: ~5,FavoriteExit
ReplyPath: ~3,FavoriteExit
SURBPath: *3,FavoriteExit
BlockServers: insecure, malicious, nasty

[Network]
ConnectionTimeout: 180 seconds
```

AUTHORS

See the AUTHORS section in `mixminion(1)`

SEE ALSO

`mixminion(1)` `mixminiond(8)`