NAME

psktool - GnuTLS PSK tool

SYNOPSIS

psktool [**-flags**] [**-flag** [*value*]] [**--option-name**[[=|]*value*]]

All arguments must be options.

DESCRIPTION

Program that generates random keys for use with TLS-PSK. The keys are stored in hexadecimal
format in a key file.

OPTIONS

-d *num*, **--debug**=*num*

Enable debugging. This option takes an integer number as its argument. The value of *num* is
constrained to being:

in the range 0 through 9999

Specifies the debug level.

-s *num*, **--keysize**=*num*

Specify the key size in bytes (default is 32-bytes or 256-bits). This option takes an integer number
as its argument. The value of *num* is constrained to being:

in the range 0 through 512

-u *str*, **--username**=*str*

Specify the username to use.

-p *str*, **--pskfile**=*str*

Specify a pre-shared key file.

This option will specify the pre-shared key file to store the generated keys.

--passwd

This is an alias for the *--pskfile* option.

NOTE: THIS OPTION IS DEPRECATED

-v *arg*, **--version**=*arg*

Output version of program and exit. The default mode is 'v', a simple version. The 'c' mode will print copyright information and 'n' will print the full copyright notice.

-h, **--help**

Display usage information and exit.

-!, **--more-help**

Pass the extended usage information through a pager.

EXAMPLES

To add a user 'psk_identity' in *keys.psk* for use with GnuTLS run:

```
$ ./psktool -u psk_identity -p keys.psk
Generating a random key for user 'psk_identity'
Key stored to keys.psk
$ cat keys.psk
psk_identity:88f3824b3e5659f52d00e959bacab954b6540344
$
```

This command will create *keys.psk* if it does not exist and will add user 'psk_identity'.

EXIT STATUS

One of the following exit values will be returned:

0 (EXIT_SUCCESS)

Successful program execution.

1 (EXIT_FAILURE)

The operation failed or the command syntax was not valid.

SEE ALSO

gnutls-cli-debug (1), gnutls-serv (1), srptool (1), certtool (1)

AUTHORS
COPYRIGHT

Copyright (C) 2020-2021 Free Software Foundation, and others all rights reserved. This program is released under the terms of the GNU General Public License, version 3 or later

BUGS

Please send bug reports to: bugs@gnutls.org