Rocky Enterprise Linux 9.2 Manual Pages on command 'openssl-gendsa.1ossl'

$ man openssl-gendsa.1ossl

OPENSSL-GENDSA(1ossl) OpenSSL OPENSSL-GENDSA(1ossl)

NAME

openssl-gendsa - generate a DSA private key from a set of parameters

SYNOPSIS

openssl gendsa [-help] [-out filename] [-passout arg] [-aes128]
[-aes192] [-aes256] [-aria128] [-aria192] [-aria256] [-camellia128]
[-camellia192] [-camellia256] [-des] [-des3] [-idea] [-verbose] [-rand
files] [-writerand file] [-engine id] [-provider name] [-provider-path
path] [-propquery propq] [paramfile]

DESCRIPTION

This command generates a DSA private key from a DSA parameter file
(which will be typically generated by the openssl-dsaparam(1) command).

OPTIONS

-help

Print out a usage message.

-out filename

Output the key to the specified file. If this argument is not
specified then standard output is used.

-passout arg

The passphrase used for the output file. See openssl-passphrase-options(1).

-aes128, -aes192, -aes256, -aria128, -aria192, -aria256, -camellia128, -camellia192, -camellia256, -des, -des3, -idea

These options encrypt the private key with specified cipher before outputting it. A pass phrase is prompted for. If none of these options is specified no encryption is used.

-verbose

Print extra details about the operations being performed.

-rand files, -writerand file

See "Random State Options" in openssl(1) for details.

-engine id

See "Engine Options" in openssl(1). This option is deprecated.

paramfile

The DSA parameter file to use. The parameters in this file determine the size of the private key. DSA parameters can be generated and examined using the openssl-dsaparam(1) command.

-provider name

-provider-path path

-propquery propq

See "Provider Options" in openssl(1), provider(7), and property(7).

NOTES

DSA key generation is little more than random number generation so it is much quicker that RSA key generation for example.

SEE ALSO

openssl(1), openssl-genpkey(1), openssl-dsaparam(1), openssl-dsa(1), openssl-genrsa(1), openssl-rsa(1)

HISTORY

The -engine option was deprecated in OpenSSL 3.0.

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