

NAME

openssl-speed, speed - test library performance

SYNOPSIS

openssl speed [-help] [-engine id] [-elapsed] [-evp algo] [-decrypt] [algorithm...]

DESCRIPTION

This command is used to test the performance of cryptographic algorithms. To see the list of supported algorithms, use the *list --digest-commands* or *list --cipher-commands* command.

OPTIONS**-help**

Print out a usage message.

-engine id

specifying an engine (by its unique **id** string) will cause **speed** to attempt to obtain a functional reference to the specified engine, thus initialising it if needed. The engine will then be set as the default for all available algorithms.

-elapsed

Measure time in real time instead of CPU time. It can be useful when testing speed of hardware engines.

-evp algo

Use the specified cipher or message digest algorithm via the EVP interface.

-decrypt

Time the decryption instead of encryption. Affects only the EVP testing.

[zero or more test algorithms]

If any options are given, **speed** tests those algorithms, otherwise all of the above are tested.

COPYRIGHT

Copyright 2000-2016 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the OpenSSL license (the "License"). You may not use this file except in compliance with the License. You can obtain a copy in the file LICENSE in the source distribution or at <https://www.openssl.org/source/license.html>.