

NAME

openssl-engine, engine – load and query engines

SYNOPSIS

```
openssl engine [ engine... ] [-v] [-vv] [-vvv] [-vvv] [-vvv] [-c] [-t] [-tt] [-pre command] [-post command] [ engine... ]
```

DESCRIPTION

The **engine** command is used to query the status and capabilities of the specified **engine**'s. Engines may be specified before and after all other command-line flags. Only those specified are queried.

OPTIONS

-v -vv -vvv -vvvv

Provides information about each specified engine. The first flag lists all the possible run-time control commands; the second adds a description of each command; the third adds the input flags, and the final option adds the internal input flags.

-c Lists the capabilities of each engine.

-t Tests if each specified engine is available, and displays the answer.

-tt Displays an error trace for any unavailable engine.

-pre *command*

-post *command*

Command-line configuration of engines. The **-pre** command is given to the engine before it is loaded and the **-post** command is given after the engine is loaded. The *command* is of the form *cmd:val* where *cmd* is the command, and *val* is the value for the command. See the example below.

EXAMPLE

To list all the commands available to a dynamic engine:

```
$ openssl engine -t -tt -vvvv dynamic
(dynamic) Dynamic engine loading support
[ unavailable ]
SO_PATH: Specifies the path to the new ENGINE shared library
(input flags): STRING
NO_VCHECK: Specifies to continue even if version checking fails (boolean)
(input flags): NUMERIC
ID: Specifies an ENGINE id name for loading
(input flags): STRING
LIST_ADD: Whether to add a loaded ENGINE to the internal list (0=no,1=yes,2=
(input flags): NUMERIC
DIR_LOAD: Specifies whether to load from 'DIR_ADD' directories (0=no,1=yes,2=
(input flags): NUMERIC
DIR_ADD: Adds a directory from which ENGINES can be loaded
(input flags): STRING
LOAD: Load up the ENGINE specified by other settings
(input flags): NO_INPUT
```

To list the capabilities of the *rsax* engine:

```
$ openssl engine -c
(rsax) RSAX engine support
[RSA]
(dynamic) Dynamic engine loading support
```

ENVIRONMENT**OPENSSL_ENGINES**

The path to the engines directory.

SEE ALSO

config (5)

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