NAME

openssl-engine - load and query engines

SYNOPSIS

openssl engine [**-help**] [**-v**] [**-vv**] [**-vvv**] [**-vvvv**] [**-c**] [**-t**] [**-tt**] [**-pre** *command*] ... [**-post** *command*] ...
[*engine* ...]

DESCRIPTION

This command has been deprecated. Providers should be used instead of engines.

This 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

-help

Display an option summary.

-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.

These two options are cumulative, so they may be given more than once in the same command.

EXAMPLES

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=mandatory)
      (input flags): NUMERIC
   DIR_LOAD: Specifies whether to load from 'DIR_ADD' directories (0=no,1=yes,2=mandatory)
      (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

openssl(1), **config**(5)

HISTORY

This command was deprecated in OpenSSL 3.0.

COPYRIGHT

at <https://www.openssl.org/source/license.html>.