

**NAME**

openssl\_user\_macros, OPENSSL\_API\_COMPAT, OPENSSL\_NO\_DEPRECATED – User defined macros

**DESCRIPTION**

User defined macros allow the programmer to control certain aspects of what is exposed by the OpenSSL headers.

**NOTE:** to be effective, a user defined macro *must be defined before including any header file that depends on it*, either in the compilation command (`cc -DMACRO=value`) or by defining the macro in source before including any headers.

Other manual pages may refer to this page when declarations depend on user defined macros.

**The macros****OPENSSL\_API\_COMPAT**

The value is a version number, given in one of the following two forms:

`0xMNNFF000L`

This is the form supported for all versions up to 1.1.x, where M represents the major number, NN represents the minor number, and FF represents the fix number, as a hexadecimal number. For version 1.1.0, that's `0x10100000L`.

Any version number may be given, but these numbers are the current known major deprecation points, making them the most meaningful:

`0x00908000L` (version 0.9.8)

`0x10000000L` (version 1.0.0)

`0x10100000L` (version 1.1.0)

For convenience, higher numbers are accepted as well, as long as feasible. For example, `0x60000000L` will work as expected. However, it is recommended to start using the second form instead:

`mmnnpp`

This form is a simple decimal number calculated with this formula:

$major * 10000 + minor * 100 + patch$

where *major*, *minor* and *patch* are the desired major, minor and patch components of the version number. For example:

30000 corresponds to version 3.0.0

10002 corresponds to version 1.0.2

420101 corresponds to version 42.1.1

If **OPENSSL\_API\_COMPAT** is undefined, this default value is used in its place: 30000

**OPENSSL\_NO\_DEPRECATED**

If this macro is defined, all deprecated public symbols in all OpenSSL versions up to and including the version given by **OPENSSL\_API\_COMPAT** (or the default value given above, when **OPENSSL\_API\_COMPAT** isn't defined) will be hidden.

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