

NAME

OPENSSL_VERSION_NUMBER, OPENSSL_VERSION_TEXT, OpenSSL_version,
 OpenSSL_version_num - get OpenSSL version number

SYNOPSIS

```
#include <openssl/opensslv.h>
#define OPENSSL_VERSION_NUMBER 0xnnnnnnnnnL
#define OPENSSL_VERSION_TEXT "OpenSSL x.y.z xx XXX xxxxx"

#include <openssl/crypto.h>

unsigned long OpenSSL_version_num();
const char *OpenSSL_version(int t);
```

DESCRIPTION

OPENSSL_VERSION_NUMBER is a numeric release version identifier:

MNFFPPS: major minor fix patch status

The status nibble has one of the values 0 for development, 1 to e for betas 1 to 14, and f for release.

for example

```
0x000906000 == 0.9.6 dev
0x000906023 == 0.9.6b beta 3
0x00090605f == 0.9.6e release
```

Versions prior to 0.9.3 have identifiers < 0x0930. Versions between 0.9.3 and 0.9.5 had a version identifier with this interpretation:

MMNFFRBB major minor fix final beta/patch

for example

```
0x000904100 == 0.9.4 release
0x000905000 == 0.9.5 dev
```

Version 0.9.5a had an interim interpretation that is like the current one, except the patch level got the highest bit set, to keep continuity. The number was therefore 0x0090581f.

OPENSSL_VERSION_TEXT is the text variant of the version number and the release date. For example, "OpenSSL 1.0.1a 15 Oct 2015".

OpenSSL_version_num() returns the version number.

OpenSSL_version() returns different strings depending on *t*:

OPENSSL_VERSION

The text variant of the version number and the release date. For example, "OpenSSL 1.0.1a 15 Oct 2015".

OPENSSL_CFLAGS

The compiler flags set for the compilation process in the form "compiler: ..." if available or "compiler: information not available" otherwise.

OPENSSL_BUILT_ON

The date of the build process in the form "built on: ..." if available or "built on: date not available" otherwise.

OPENSSL_PLATFORM

The "Configure" target of the library build in the form "platform: ..." if available or "platform: information not available" otherwise.

OPENSSL_DIR

The "OPENSSLDIR" setting of the library build in the form "OPENSSLDIR: ..." if available or "OPENSSLDIR: N/A" otherwise.

OPENSSL_ENGINES_DIR

The “ENGINESDIR” setting of the library build in the form “ENGINESDIR: ”...”“ if available or ”ENGINESDIR: N/A” otherwise.

For an unknown **t**, the text “not available” is returned.

RETURN VALUE

The version number.

SEE ALSO

crypto(3)

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