

**NAME**

`CMS_uncompress` - uncompress a CMS CompressedData structure

**SYNOPSIS**

```
#include <openssl/cms.h>
```

```
int CMS_uncompress(CMS_ContentInfo *cms, BIO *dcont, BIO *out, unsigned int flags);
```

**DESCRIPTION**

`CMS_uncompress()` extracts and uncompresses the content from a CMS CompressedData structure **cms**. **data** is a BIO to write the content to and **flags** is an optional set of flags.

The **dcont** parameter is used in the rare case where the compressed content is detached. It will normally be set to NULL.

**NOTES**

The only currently supported compression algorithm is zlib: if the structure indicates the use of any other algorithm an error is returned.

If zlib support is not compiled into OpenSSL then `CMS_uncompress()` will always return an error.

The following flags can be passed in the **flags** parameter.

If the **CMS\_TEXT** flag is set MIME headers for type **text/plain** are deleted from the content. If the content is not of type **text/plain** then an error is returned.

**RETURN VALUES**

`CMS_uncompress()` returns either 1 for success or 0 for failure. The error can be obtained from [ERR\\_get\\_error\(3\)](#)

**BUGS**

The lack of single pass processing and the need to hold all data in memory as mentioned in [CMS\\_verify\(\)](#) also applies to [CMS\\_decompress\(\)](#).

**SEE ALSO**

[ERR\\_get\\_error\(3\)](#), [CMS\\_compress\(3\)](#)

**HISTORY**

`CMS_uncompress()` was added to OpenSSL 0.9.8