NAME

CMS_final - finalise a CMS_ContentInfo structure

SYNOPSIS

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

int CMS_final(CMS_ContentInfo *cms, BIO *data, BIO *dcont, unsigned int flags);
```

DESCRIPTION

CMS_final() finalises the structure **cms**. It's purpose is to perform any operations necessary on **cms** (digest computation for example) and set the appropriate fields. The parameter **data** contains the content to be processed. The **dcont** parameter contains a BIO to write content to after processing: this is only used with detached data and will usually be set to NULL.

NOTES

This function will normally be called when the **CMS_PARTIAL** flag is used. It should only be used when streaming is not performed because the streaming I/O functions perform finalisation operations internally.

RETURN VALUES

CMS_final() returns 1 for success or 0 for failure.

SEE ALSO

ERR_get_error(3), *CMS_sign(3)*, *CMS_encrypt(3)*

HISTORY

CMS_final() was added to OpenSSL 0.9.8