NAME

       CMS_ReceiptRequest_create0, CMS_add1_ReceiptRequest, CMS_get1_ReceiptRequest, CM

SYNOPSIS

       #include <openssl/cms.h>

       CMS_ReceiptRequest *CMS_ReceiptRequest_create0(unsigned char *id, int idlen, int
       int CMS_add1_ReceiptRequest(CMS_SignerInfo *si, CMS_ReceiptRequest *rr);
       int CMS_get1_ReceiptRequest(CMS_SignerInfo *si, CMS_ReceiptRequest **prr);
       void CMS_ReceiptRequest_get0_values(CMS_ReceiptRequest *rr, ASN1_STRING **pcid,

DESCRIPTION

CMS_ReceiptRequest_create0() creates a signed receipt request structure. The **signedContentIdentifier** field is set using **id** and **idlen**, or it is set to 32 bytes of pseudo random data if **id** is NULL. If **receiptList** is NULL the allOrFirstTier option in **receiptsFrom** is used and set to the value of the **allorfirst** parameter. If **receiptList** is not NULL the **receiptList** option in **receiptsFrom** is used. The **receiptsTo** parameter specifies the **receiptsTo** field value.

The *CMS_add1_ReceiptRequest()* function adds a signed receipt request **rr** to SignerInfo structure **si**.

int *CMS_get1_ReceiptRequest()* looks for a signed receipt request in **si**, if any is found it is decoded and written to **prr**.

CMS_ReceiptRequest_get0_values() retrieves the values of a receipt request. The signedContentIdentifier is copied to **pcid**. If the **allOrFirstTier** option of **receiptsFrom** is used its value is copied to **pallorfirst** otherwise the **receiptList** field is copied to **plist**. The **receiptsTo** parameter is copied to **prto**.

NOTES

For more details of the meaning of the fields see RFC2634.

The contents of a signed receipt should only be considered meaningful if the corresponding CMS_ContentInfo structure can be successfully verified using *CMS_verify()*.

RETURN VALUES

CMS_ReceiptRequest_create0() returns a signed receipt request structure or NULL if an error occurred.

CMS_add1_ReceiptRequest() returns 1 for success or 0 is an error occurred.

CMS_get1_ReceiptRequest() returns 1 is a signed receipt request is found and decoded. It returns 0 if a signed receipt request is not present and -1 if it is present but malformed.

SEE ALSO

ERR_get_error(3) , *CMS_sign(3)* , *CMS_sign_receipt(3)* , *CMS_verify(3) CMS_verify_receipt(3)*

HISTORY

CMS_ReceiptRequest_create0(),   *CMS_add1_ReceiptRequest()*,   *CMS_get1_ReceiptRequest()*   and *CMS_ReceiptRequest_get0_values()* were added to OpenSSL 0.9.8