NAME

PKCS12_SAFEBAG_get0_attrs, PKCS12_get_attr_gen - Retrieve attributes from a PKCS#12 safeBag

SYNOPSIS

#include <openssl/pkcs12.h>

const STACK_OF(X509_ATTRIBUTE) *PKCS12_SAFEBAG_get0_attrs(const PKCS12_SAFEBAG *bag);

ASN1_TYPE *PKCS12_get_attr_gen(const STACK_OF(X509_ATTRIBUTE) *attrs,
                  int attr_nid);

DESCRIPTION

PKCS12_SAFEBAG_get0_attrs() retrieves the stack of **X509_ATTRIBUTE**s from a PKCS#12 safeBag. *bag* is the **PKCS12_SAFEBAG** to retrieve the attributes from.

PKCS12_get_attr_gen() retrieves an attribute by NID from a stack of **X509_ATTRIBUTE**s. *attr_nid* is the NID of the attribute to retrieve.

RETURN VALUES

PKCS12_SAFEBAG_get0_attrs() returns the stack of **X509_ATTRIBUTE**s from a PKCS#12 safeBag, which could be empty.

PKCS12_get_attr_gen() returns an **ASN1_TYPE** object containing the attribute, or NULL if the attribute was either not present or an error occurred.

PKCS12_get_attr_gen() does not allocate a new attribute. The returned attribute is still owned by the **PKCS12_SAFEBAG** in which it resides.

SEE ALSO

PKCS12_get_friendlyname(3), **PKCS12_add_friendlyname_asc**(3)

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