NAME

EVP_PKEY2PKCS8, EVP_PKCS82PKEY_ex, EVP_PKCS82PKEY - Convert a private key to/from PKCS8

SYNOPSIS

#include <openssl/x509.h>

PKCS8_PRIV_KEY_INFO *EVP_PKEY2PKCS8(const EVP_PKEY *pkey);
EVP_PKEY *EVP_PKCS82PKEY(const PKCS8_PRIV_KEY_INFO *p8);
EVP_PKEY *EVP_PKCS82PKEY_ex(const PKCS8_PRIV_KEY_INFO *p8, OSSL_LIB_CTX *libctx,
              const char *propq);

DESCRIPTION

EVP_PKEY2PKCS8() converts a private key *pkey* into a returned PKCS8 object.

EVP_PKCS82PKEY_ex() converts a PKCS8 object *p8* into a returned private key. It uses *libctx* and *propq* when fetching algorithms.

EVP_PKCS82PKEY() is similar to **EVP_PKCS82PKEY_ex()** but uses default values of NULL for the *libctx* and *propq*.

RETURN VALUES

EVP_PKEY2PKCS8() returns a PKCS8 object on success. **EVP_PKCS82PKEY()** and **EVP_PKCS82PKEY_ex()** return a private key on success.

All functions return NULL if the operation fails.

SEE ALSO

PKCS8_pkey_add1_attr(3),

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