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Rocky Enterprise Linux 9.2 Manual Pages on command 'EVP_PKCS82PKEY.3ossl'

\$ man EVP_PKCS82PKEY.3ossl

EVP_PKEY2PKCS8(3ossl) OpenSSL EVP_PKEY2PKCS8(3ossl)

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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