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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'EVP\_PKEY\_CTX\_get0\_provider.3ossl'***

***\$ man EVP\_PKEY\_CTX\_get0\_provider.3ossl***

***EVP\_PKEY\_CTX\_GET0\_LIBCTX(3ossl) OpenSSL EVP\_PKEY\_CTX\_GET0\_LIBCTX(3ossl)***

#### **NAME**

***EVP\_PKEY\_CTX\_get0\_libctx, EVP\_PKEY\_CTX\_get0\_propq,  
EVP\_PKEY\_CTX\_get0\_provider - functions for getting diverse information  
from an EVP\_PKEY\_CTX***

#### **SYNOPSIS**

***#include <openssl/evp.h>***

***OSSL\_LIB\_CTX \*EVP\_PKEY\_CTX\_get0\_libctx(EVP\_PKEY\_CTX \*ctx);  
const char \*EVP\_PKEY\_CTX\_get0\_propq(const EVP\_PKEY\_CTX \*ctx);  
const OSSL\_PROVIDER \*EVP\_PKEY\_CTX\_get0\_provider(const EVP\_PKEY\_CTX \*ctx);***

#### **DESCRIPTION**

***EVP\_PKEY\_CTX\_get0\_libctx() and EVP\_PKEY\_CTX\_get0\_propq() obtain the  
OSSL\_LIB\_CTX and property query string values respectively that were  
associated with the EVP\_PKEY\_CTX when it was constructed.***

EVP\_PKEY\_CTX\_get0\_provider() returns the provider associated with the ongoing EVP\_PKEY\_CTX operation. If the operation is performed by an ENGINE, this function returns NULL.

## RETURN VALUES

EVP\_PKEY\_CTX\_get0\_libctx() and EVP\_PKEY\_CTX\_get0\_propq() functions return the OSSL\_LIB\_CTX and property query string associated with the EVP\_PKEY\_CTX or NULL if they are not set. The returned values should not be freed by the caller.

EVP\_PKEY\_CTX\_get0\_provider() returns a provider if an operation performed by a provider is ongoing, otherwise NULL.

## SEE ALSO

EVP\_PKEY\_CTX\_new(3)

## HISTORY

All functions were added in OpenSSL 3.0.

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