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

```
$ 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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