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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'EVP_PKEY_CTX_get0_libctx.3oss1' command

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$ man EVP_PKEY_CTX_get0_libctx.3oss1
```

```
EVP_PKEY_CTX_GET0_LIBCTX(3oss1)  OpenSSL  EVP_PKEY_CTX_GET0_LIBCTX(3oss1)
```

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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