

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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