

NAME

`EVP_PKEY_CTX_get0_pkey`, `EVP_PKEY_CTX_get0_peerkey` - functions for accessing the `EVP_PKEY` associated with an `EVP_PKEY_CTX`

SYNOPSIS

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

```
EVP_PKEY *EVP_PKEY_CTX_get0_pkey(EVP_PKEY_CTX *ctx);  
EVP_PKEY *EVP_PKEY_CTX_get0_peerkey(EVP_PKEY_CTX *ctx);
```

DESCRIPTION

`EVP_PKEY_CTX_get0_pkey()` is used to access the `EVP_PKEY` associated with the given `EVP_PKEY_CTX ctx`. The `EVP_PKEY` obtained is the one used for creating the `EVP_PKEY_CTX` using either `EVP_PKEY_CTX_new(3)` or `EVP_PKEY_CTX_new_from_pkey(3)`.

`EVP_PKEY_CTX_get0_peerkey()` is used to access the peer `EVP_PKEY` associated with the given `EVP_PKEY_CTX ctx`. The peer `EVP_PKEY` obtained is the one set using either `EVP_PKEY_derive_set_peer(3)` or `EVP_PKEY_derive_set_peer_ex(3)`.

RETURN VALUES

`EVP_PKEY_CTX_get0_pkey()` returns the `EVP_PKEY` associated with the `EVP_PKEY_CTX` or `NULL` if it is not set.

`EVP_PKEY_CTX_get0_peerkey()` returns the peer `EVP_PKEY` associated with the `EVP_PKEY_CTX` or `NULL` if it is not set.

The returned `EVP_PKEY` objects are owned by the `EVP_PKEY_CTX`, and therefore should not explicitly be freed by the caller.

These functions do not affect the `EVP_PKEY` reference count. They merely act as getter functions, and should be treated as such.

SEE ALSO

`EVP_PKEY_CTX_new(3)`, `EVP_PKEY_CTX_new_from_pkey(3)`, `EVP_PKEY_derive_set_peer(3)`, `EVP_PKEY_derive_set_peer_ex(3)`

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