NAME

EVP_PKEY_meth_get_count, EVP_PKEY_meth_get0, EVP_PKEY_meth_get0_info - enumerate public key methods

SYNOPSIS

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

The following functions have been deprecated since OpenSSL 3.0, and can be hidden entirely by defining **OPENSSL_API_COMPAT** with a suitable version value, see **openssl_user_macros**(7):

```
size_t EVP_PKEY_meth_get_count(void);
const EVP_PKEY_METHOD *EVP_PKEY_meth_get0(size_t idx);
void EVP_PKEY_meth_get0_info(int *ppkey_id, int *pflags,
              const EVP_PKEY_METHOD *meth);
```

DESCRIPTION

All of the functions described on this page are deprecated. Applications should instead use the OSSL_PROVIDER APIs.

EVP_PKEY_meth_count() returns a count of the number of public key methods available: it includes standard methods and any methods added by the application.

EVP_PKEY_meth_get0() returns the public key method **idx**. The value of **idx** must be between zero and **EVP_PKEY_meth_get_count()** - 1.

EVP_PKEY_meth_get0_info() returns the public key ID (a NID) and any flags associated with the public key method ***meth**.

RETURN VALUES

EVP_PKEY_meth_count() returns the number of available public key methods.

EVP_PKEY_meth_get0() return a public key method or **NULL** if **idx** is out of range.

EVP_PKEY_meth_get0_info() does not return a value.

SEE ALSO

EVP_PKEY_new(3)

HISTORY

All of these functions were deprecated in OpenSSL 3.0.

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