

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.

COPYRIGHT

Copyright 2002-2021 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the Apache License 2.0 (the "License"). You may not use this file except in compliance with the License. You can obtain a copy in the file LICENSE in the source distribution or at <https://www.openssl.org/source/license.html>.