

**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>.