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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'EVP_PKEY_get_ec_point_conv_form.3ossl' command

```
$ man EVP_PKEY_get_ec_point_conv_form.3ossl
```

```
EVP_PKEY_GET_FIELD_TYPE(3ossl)  OpenSSL  EVP_PKEY_GET_FIELD_TYPE(3ossl)
```

NAME

EVP_PKEY_get_field_type, EVP_PKEY_get_ec_point_conv_form - get field type or point conversion form of a key

SYNOPSIS

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

```
int EVP_PKEY_get_field_type(const EVP_PKEY *pkey);
```

```
int EVP_PKEY_get_ec_point_conv_form(const EVP_PKEY *pkey);
```

DESCRIPTION

EVP_PKEY_get_field_type() returns the field type NID of the pkey, if pkey's key type supports it. The types currently supported by the built-in OpenSSL providers are either NID_X9_62_prime_field for prime curves or NID_X9_62_characteristic_two_field for binary curves; these values are defined in the <openssl/obj_mac.h> header file.

EVP_PKEY_get_ec_point_conv_form() returns the point conversion format of the pkey, if pkey's key type supports it.

Among the standard OpenSSL key types, this is only supported for EC and SM2 keys. Other providers may support this for additional key types.

RETURN VALUES

`EVP_PKEY_get_field_type()` returns the field type NID or 0 on error.

`EVP_PKEY_get_ec_point_conv_form()` returns the point conversion format number (see `EC_GROUP_copy(3)`) or 0 on error.

SEE ALSO

`EC_GROUP_copy(3)`

HISTORY

These functions were added in OpenSSL 3.0.

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