

NAME

SSL_CTX_set_tmp_ecdh, SSL_set_tmp_ecdh, SSL_CTX_set_ecdh_auto, SSL_set_ecdh_auto - handle ECDH keys for ephemeral key exchange

SYNOPSIS

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

```
long SSL_CTX_set_tmp_ecdh(SSL_CTX *ctx, const EC_KEY *ecdh);
```

```
long SSL_set_tmp_ecdh(SSL *ssl, const EC_KEY *ecdh);
```

```
long SSL_CTX_set_ecdh_auto(SSL_CTX *ctx, int state);
```

```
long SSL_set_ecdh_auto(SSL *ssl, int state);
```

DESCRIPTION

SSL_CTX_set_tmp_ecdh() sets ECDH parameters to be used to be **ecdh**. The key is inherited by all **ssl** objects created from **ctx**. This macro is deprecated in favor of **SSL_CTX_set1_groups(3)**.

SSL_set_tmp_ecdh() sets the parameters only for **ssl**. This macro is deprecated in favor of **SSL_set1_groups(3)**.

SSL_CTX_set_ecdh_auto() and **SSL_set_ecdh_auto()** are deprecated and have no effect.

RETURN VALUES

SSL_CTX_set_tmp_ecdh() and **SSL_set_tmp_ecdh()** return 1 on success and 0 on failure.

SEE ALSO

ssl(7), **SSL_CTX_set1_curves(3)**, **SSL_CTX_set_cipher_list(3)**, **SSL_CTX_set_options(3)**, **SSL_CTX_set_tmp_dh_callback(3)**, **openssl-ciphers(1)**, **openssl-ecparam(1)**

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