

**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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