



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

\$ man SSL_set_ecdh_auto.3ossl

SSL_CTX_SET_TMP_ECDH(3ossl) OpenSSL SSL_CTX_SET_TMP_ECDH(3ossl)

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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