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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'SSL\_set\_tmp\_ecdh.3ossl'***

***\$ man SSL\_set\_tmp\_ecdh.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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