



## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'SSL\_get\_tmp\_key.3ossl' command**

**\$ man SSL\_get\_tmp\_key.3ossl**

SSL\_GET\_PEER\_TMP\_KEY(3ossl)      OpenSSL      SSL\_GET\_PEER\_TMP\_KEY(3ossl)

### NAME

SSL\_get\_peer\_tmp\_key, SSL\_get\_server\_tmp\_key, SSL\_get\_tmp\_key - get information about temporary keys used during a handshake

### SYNOPSIS

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

```
long SSL_get_peer_tmp_key(SSL *ssl, EVP_PKEY **key);
```

```
long SSL_get_server_tmp_key(SSL *ssl, EVP_PKEY **key);
```

```
long SSL_get_tmp_key(SSL *ssl, EVP_PKEY **key);
```

### DESCRIPTION

SSL\_get\_peer\_tmp\_key() returns the temporary key provided by the peer and used during key exchange. For example, if ECDHE is in use, then this represents the peer's public ECDHE key. On success a pointer to the key is stored in \*key. It is the caller's responsibility to free this key after use using EVP\_PKEY\_free(3).

SSL\_get\_server\_tmp\_key() is a backwards compatibility alias for SSL\_get\_peer\_tmp\_key(). Under that name it worked just on the client side of the connection, its behaviour on the server end is release-

dependent.

SSL\_get\_tmp\_key() returns the equivalent information for the local end of the connection.

## RETURN VALUES

All these functions return 1 on success and 0 otherwise.

## NOTES

This function is implemented as a macro.

## SEE ALSO

ssl(7), EVP\_PKEY\_free(3)

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