

**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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