



**Full credit is given to the above companies including the Operating System (OS) that this PDF file was generated!**

***Rocky Enterprise Linux 9.2 Manual Pages on command 'EVP\_KEYEXCH-X25519.7ssl'***

**\$ man EVP\_KEYEXCH-X25519.7ssl**

EVP\_KEYEXCH-X25519(7SSL)                      OpenSSL                      EVP\_KEYEXCH-X25519(7SSL)

**NAME**

EVP\_KEYEXCH-X25519, EVP\_KEYEXCH-X448 - X25519 and X448 Key Exchange algorithm support

**DESCRIPTION**

Key exchange support for the X25519 and X448 key types.

Key exchange parameters

"pad" (OSSL\_EXCHANGE\_PARAM\_PAD) <unsigned integer>

See "Common Key Exchange parameters" in provider-keyexch(7).

**EXAMPLES**

Keys for the host and peer can be generated as shown in "Examples" in EVP\_PKEY-X25519(7).

The code to generate a shared secret is identical to "Examples" in EVP\_KEYEXCH-DH(7).

**SEE ALSO**

EVP\_PKEY-FFC(7), EVP\_PKEY-DH(7) EVP\_PKEY(3), provider-keyexch(7), provider-keymgmt(7),

OSSL\_PROVIDER-default(7), OSSL\_PROVIDER-FIPS(7),

**COPYRIGHT**

Copyright 2020 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the Apache License 2.0 (the "License"). You may not use this file except in compliance with the License. You can obtain a copy in the file LICENSE in the source distribution or at <<https://www.openssl.org/source/license.html>>.

3.0.2                                      2024-02-16                                      EVP\_KEYEXCH-X25519(7SSL)