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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'EVP\_KEYEXCH-X448.7oss1' command**

**\$ man EVP\_KEYEXCH-X448.7oss1**

EVP\_KEYEXCH-X25519(7oss1)      OpenSSL      EVP\_KEYEXCH-X25519(7oss1)

### 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),

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