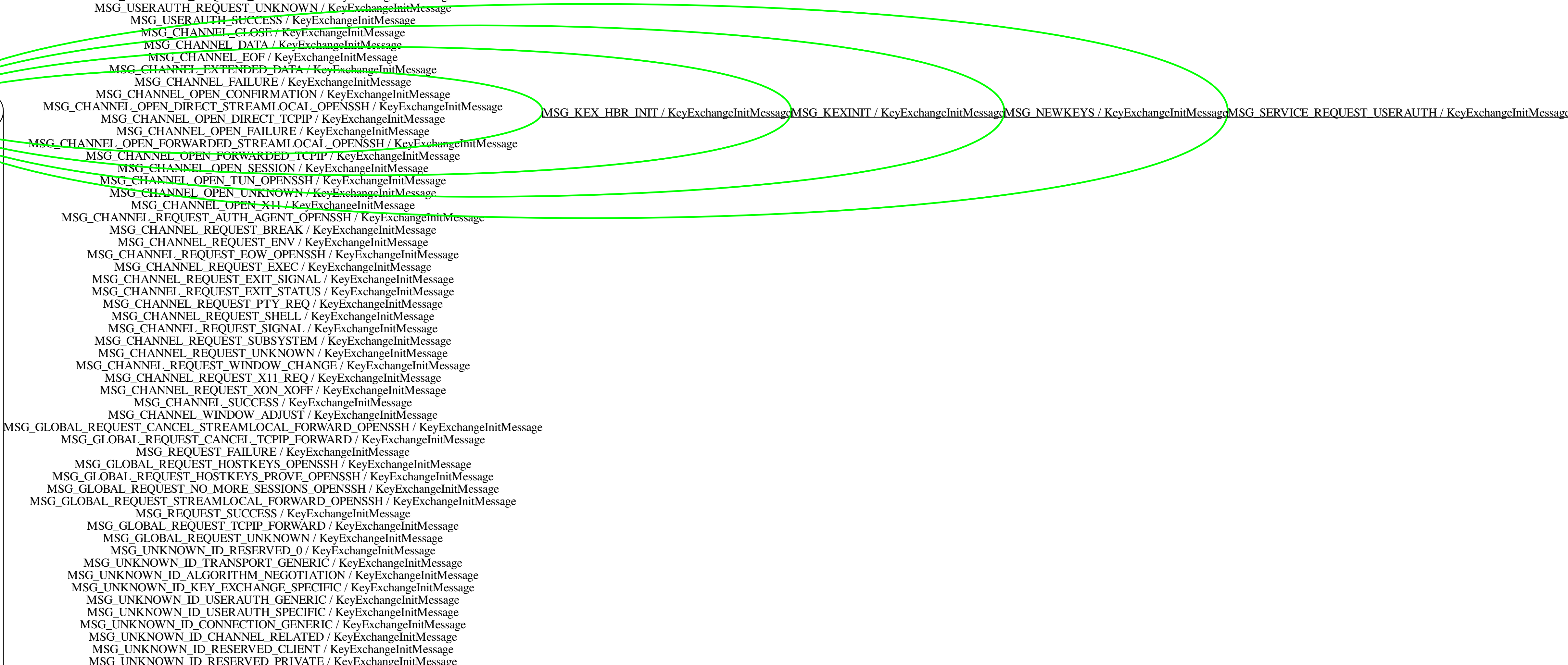


MSG\_DEBUG / KeyExchangeInitMessage  
MSG\_KEX\_DH\_GEX\_GROUP / KeyExchangeInitMessage  
MSG\_KEX\_DH\_GEX\_INIT / KeyExchangeInitMessage  
MSG\_KEX\_DH\_GEX\_OLD\_REQUEST / KeyExchangeInitMessage  
MSG\_KEX\_DH\_GEX\_REPLY / KeyExchangeInitMessage  
MSG\_KEX\_DH\_GEX\_REQUEST / KeyExchangeInitMessage  
MSG\_KEXDH\_INIT / KeyExchangeInitMessage  
MSG\_KEXDH\_REPLY / KeyExchangeInitMessage  
MSG\_DISCONNECT / KeyExchangeInitMessage  
MSG\_KEX\_ECDH\_INIT / KeyExchangeInitMessage  
MSG\_KEX\_ECDH\_REPLY / KeyExchangeInitMessage  
MSG\_EXT\_INFO / KeyExchangeInitMessage  
MSG\_KEX\_HBR\_REPLY / KeyExchangeInitMessage  
MSG\_IGNORE / KeyExchangeInitMessage  
MSG\_NEWCOMPRESS / KeyExchangeInitMessage  
MSG\_PING\_OPENSSH / KeyExchangeInitMessage  
MSG\_PONG\_OPENSSH / KeyExchangeInitMessage  
MSG\_KEX\_RSA\_DONE / KeyExchangeInitMessage  
MSG\_KEX\_RSA\_PUBKEY / KeyExchangeInitMessage  
MSG\_KEX\_RSA\_SECRET / KeyExchangeInitMessage  
MSG\_SERVICE\_ACCEPT / KeyExchangeInitMessage  
MSG\_SERVICE\_REQUEST\_CONNECTION / KeyExchangeInitMessage  
MSG\_UNIMPLEMENTED / KeyExchangeInitMessage  
MSG\_VERSION\_EXCHANGE / KeyExchangeInitMessage  
MSG\_USERAUTH\_BANNER / KeyExchangeInitMessage  
MSG\_USERAUTH\_FAILURE / KeyExchangeInitMessage  
MSG\_USERAUTH\_INFO\_REQUEST / KeyExchangeInitMessage  
MSG\_USERAUTH\_INFO\_RESPONSE / KeyExchangeInitMessage  
MSG\_USERAUTH\_PASSWD\_CHANGEREQ / KeyExchangeInitMessage  
MSG\_USERAUTH\_PK\_OK / KeyExchangeInitMessage  
MSG\_USERAUTH\_REQUEST\_HOSTBASED / KeyExchangeInitMessage  
MSG\_USERAUTH\_REQUEST\_KEYBOARD\_INTERACTIVE / KeyExchangeInitMessage  
MSG\_USERAUTH\_REQUEST\_NONE / KeyExchangeInitMessage  
MSG\_USERAUTH\_REQUEST\_PASSWORD / KeyExchangeInitMessage  
MSG\_USERAUTH\_REQUEST\_PUBLICKEY\_HOSTBOUND\_OPENSSH / KeyExchangeInitMessage  
MSG\_USERAUTH\_REQUEST\_PUBLICKEY / KeyExchangeInitMessage  
MSG\_USERAUTH\_REQUEST\_UNKNOWN / KeyExchangeInitMessage  
MSG\_USERAUTH\_SUCCESS / KeyExchangeInitMessage  
MSG\_CHANNEL\_CLOSE / KeyExchangeInitMessage  
MSG\_CHANNEL\_DATA / KeyExchangeInitMessage  
MSG\_CHANNEL\_EOF / KeyExchangeInitMessage  
MSG\_CHANNEL\_EXTENDED\_DATA / KeyExchangeInitMessage  
MSG\_CHANNEL\_FAILURE / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_CONFIRMATION / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_DIRECT\_STREAMLOCAL\_OPENSSH / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_DIRECT\_TCPIP / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_FAILURE / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_FORWARDED\_STREAMLOCAL\_OPENSSH / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_FORWARDED\_TCPIP / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_SESSION / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_TUN\_OPENSSH / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_UNKNOWN / KeyExchangeInitMessage  
MSG\_CHANNEL\_OPEN\_X11 / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_AUTH\_AGENT\_OPENSSH / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_BREAK / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_ENV / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_EOW\_OPENSSH / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_EXEC / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_EXIT\_SIGNAL / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_EXIT\_STATUS / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_PTY\_REQ / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_SHELL / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_SIGNAL / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_SUBSYSTEM / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_UNKNOWN / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_WINDOW\_CHANGE / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_X11\_REQ / KeyExchangeInitMessage  
MSG\_CHANNEL\_REQUEST\_XON\_XOFF / KeyExchangeInitMessage  
MSG\_CHANNEL\_SUCCESS / KeyExchangeInitMessage  
MSG\_CHANNEL\_WINDOW\_ADJUST / KeyExchangeInitMessage  
MSG\_GLOBAL\_REQUEST\_CANCEL\_STREAMLOCAL\_FORWARD\_OPENSSH / KeyExchangeInitMessage  
MSG\_GLOBAL\_REQUEST\_CANCEL\_TCPIP\_FORWARD / KeyExchangeInitMessage  
MSG\_REQUEST\_FAILURE / KeyExchangeInitMessage  
MSG\_GLOBAL\_REQUEST\_HOSTKEYS\_OPENSSH / KeyExchangeInitMessage  
MSG\_GLOBAL\_REQUEST\_HOSTKEYS\_PROVE\_OPENSSH / KeyExchangeInitMessage  
MSG\_GLOBAL\_REQUEST\_NO\_MORE\_SESSIONS\_OPENSSH / KeyExchangeInitMessage  
MSG\_GLOBAL\_REQUEST\_STREAMLOCAL\_FORWARD\_OPENSSH / KeyExchangeInitMessage  
MSG\_REQUEST\_SUCCESS / KeyExchangeInitMessage  
MSG\_GLOBAL\_REQUEST\_TCPIP\_FORWARD / KeyExchangeInitMessage  
MSG\_GLOBAL\_REQUEST\_UNKNOWN / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_RESERVED\_0 / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_TRANSPORT\_GENERIC / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_ALGORITHM\_NEGOTIATION / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_KEY\_EXCHANGE\_SPECIFIC / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_USERAUTH\_GENERIC / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_USERAUTH\_SPECIFIC / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_CONNECTION\_GENERIC / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_CHANNEL\_RELATED / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_RESERVED\_CLIENT / KeyExchangeInitMessage  
MSG\_UNKNOWN\_ID\_RESERVED\_PRIVATE / KeyExchangeInitMessage



Server/Client: TinySSH 20250201  
Protocol Stage: TRANSPORT  
KEX Algorithm: sntrup761x25519-sha512@openssh.com  
Strict KEX enabled: true

Messages used during testing:  
MSG\_DEBUG  
MSG\_KEX\_DH\_GEX\_GROUP  
MSG\_KEX\_DH\_GEX\_INIT  
MSG\_KEX\_DH\_GEX\_OLD\_REQUEST  
MSG\_KEX\_DH\_GEX\_REPLY  
MSG\_KEX\_DH\_GEX\_REQUEST  
MSG\_KEXDH\_INIT  
MSG\_KEXDH\_REPLY  
MSG\_DISCONNECT  
MSG\_KEX\_ECDH\_INIT  
MSG\_KEX\_ECDH\_REPLY  
MSG\_EXT\_INFO  
MSG\_KEX\_HBR\_INIT  
MSG\_KEX\_HBR\_REPLY  
MSG\_IGNORE  
MSG\_KEXINIT  
MSG\_NEWCOMPRESS  
MSG\_NEWKEYS  
MSG\_PING\_OPENSSH  
MSG\_PONG\_OPENSSH  
MSG\_KEX\_RSA\_DONE  
MSG\_KEX\_RSA\_PUBKEY  
MSG\_KEX\_RSA\_SECRET  
MSG\_SERVICE\_ACCEPT  
MSG\_SERVICE\_REQUEST\_USERAUTH  
MSG\_SERVICE\_REQUEST\_CONNECTION  
MSG\_UNIMPLEMENTED  
MSG\_VERSION\_EXCHANGE  
MSG\_USERAUTH\_BANNER  
MSG\_USERAUTH\_FAILURE  
MSG\_USERAUTH\_INFO\_REQUEST  
MSG\_USERAUTH\_INFO\_RESPONSE  
MSG\_USERAUTH\_PASSWD\_CHANGEREQ  
MSG\_USERAUTH\_PK\_OK  
MSG\_USERAUTH\_REQUEST\_HOSTBASED  
MSG\_USERAUTH\_REQUEST\_KEYBOARD\_INTERACTIVE  
MSG\_USERAUTH\_REQUEST\_NONE  
MSG\_USERAUTH\_REQUEST\_PASSWORD  
MSG\_USERAUTH\_REQUEST\_PUBLICKEY\_HOSTBOUND\_OPENSSH  
MSG\_USERAUTH\_REQUEST\_PUBLICKEY  
MSG\_USERAUTH\_REQUEST\_UNKNOWN  
MSG\_USERAUTH\_SUCCESS  
MSG\_CHANNEL\_CLOSE  
MSG\_CHANNEL\_DATA  
MSG\_CHANNEL\_EOF  
MSG\_CHANNEL\_EXTENDED\_DATA  
MSG\_CHANNEL\_FAILURE  
MSG\_CHANNEL\_OPEN\_CONFIRMATION  
MSG\_CHANNEL\_OPEN\_DIRECT\_STREAMLOCAL\_OPENSSH  
MSG\_CHANNEL\_OPEN\_DIRECT\_TCPIP  
MSG\_CHANNEL\_OPEN\_FAILURE  
MSG\_CHANNEL\_OPEN\_FORWARDED\_STREAMLOCAL\_OPENSSH  
MSG\_CHANNEL\_OPEN\_FORWARDED\_TCPIP  
MSG\_CHANNEL\_OPEN\_SESSION  
MSG\_CHANNEL\_OPEN\_TUN\_OPENSSH  
MSG\_CHANNEL\_OPEN\_UNKNOWN  
MSG\_CHANNEL\_OPEN\_X11  
MSG\_CHANNEL\_REQUEST\_AUTH\_AGENT\_OPENSSH  
MSG\_CHANNEL\_REQUEST\_BREAK  
MSG\_CHANNEL\_REQUEST\_ENV  
MSG\_CHANNEL\_REQUEST\_EOW\_OPENSSH  
MSG\_CHANNEL\_REQUEST\_EXEC  
MSG\_CHANNEL\_REQUEST\_EXIT\_SIGNAL  
MSG\_CHANNEL\_REQUEST\_EXIT\_STATUS  
MSG\_CHANNEL\_REQUEST\_PTY\_REQ  
MSG\_CHANNEL\_REQUEST\_SHELL  
MSG\_CHANNEL\_REQUEST\_SIGNAL  
MSG\_CHANNEL\_REQUEST\_SUBSYSTEM  
MSG\_CHANNEL\_REQUEST\_UNKNOWN  
MSG\_CHANNEL\_REQUEST\_WINDOW\_CHANGE  
MSG\_CHANNEL\_REQUEST\_X11\_REQ  
MSG\_CHANNEL\_REQUEST\_XON\_XOFF  
MSG\_CHANNEL\_SUCCESS  
MSG\_CHANNEL\_WINDOW\_ADJUST  
MSG\_GLOBAL\_REQUEST\_CANCEL\_STREAMLOCAL\_FORWARD\_OPENSSH  
MSG\_GLOBAL\_REQUEST\_CANCEL\_TCPIP\_FORWARD  
MSG\_REQUEST\_FAILURE  
MSG\_GLOBAL\_REQUEST\_HOSTKEYS\_OPENSSH  
MSG\_GLOBAL\_REQUEST\_HOSTKEYS\_PROVE\_OPENSSH  
MSG\_GLOBAL\_REQUEST\_NO\_MORE\_SESSIONS\_OPENSSH  
MSG\_GLOBAL\_REQUEST\_STREAMLOCAL\_FORWARD\_OPENSSH  
MSG\_REQUEST\_SUCCESS  
MSG\_GLOBAL\_REQUEST\_TCPIP\_FORWARD  
MSG\_GLOBAL\_REQUEST\_UNKNOWN  
MSG\_UNKNOWN\_ID\_RESERVED\_0  
MSG\_UNKNOWN\_ID\_TRANSPORT\_GENERIC  
MSG\_UNKNOWN\_ID\_ALGORITHM\_NEGOTIATION  
MSG\_UNKNOWN\_ID\_KEY\_EXCHANGE\_SPECIFIC  
MSG\_UNKNOWN\_ID\_USERAUTH\_GENERIC  
MSG\_UNKNOWN\_ID\_USERAUTH\_SPECIFIC  
MSG\_UNKNOWN\_ID\_CONNECTION\_GENERIC  
MSG\_UNKNOWN\_ID\_CHANNEL\_RELATED  
MSG\_UNKNOWN\_ID\_RESERVED\_CLIENT  
MSG\_UNKNOWN\_ID\_RESERVED\_PRIVATE