



National Stock Exchange of India Ltd

Version 1.0

Release Notice

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1. Could not create SSL/TLS secure channel.
 - a. This error is generally faced due to TLS version mismatch of servers.
 - b. In this issue request can't be tracked by NSE environment
 - c. NSEINVEST uses and supports strict cyphers of **TLS v 1.3** only with cyphers as given below:



Cipher Suites

TLS 1.3 (suites in server-preferred order)

TLS_AES_256_GCM_SHA384 (0x1302)	ECDH x25519 (eq. 3072 bits RSA) FS	256
TLS_CHACHA20_POLY1305_SHA256 (0x1303)	ECDH x25519 (eq. 3072 bits RSA) FS	256 ^P
TLS_AES_128_GCM_SHA256 (0x1301)	ECDH x25519 (eq. 3072 bits RSA) FS	128

- i. TLS 1.3 with mentioned cyphers should be configured at member servers
 - ii. Along with TLS configured on servers it should also be supported at application code level
 - iii. JDK 8 supports TLS 1.3
 - iv. 5+ version supports TLS 1.3
2. Connection successful but receiving timeout:
 - a. This error is because of request getting blocked at Akamai end at NSE.
 - b. This request is received at NSE end but get blocked at firewall considering a bot request.
 - c. Every API request must contain below mentioned headers along with the headers mentioned in API document,
 - i. USER Agent (Can be used same as Postman)
 - ii. Accept-Language Header
 - iii. Contains Empty Accept Header
 - iv. Connection Header
 - v. Reference Header

Note: Request Members to first test with postman to check the connectivity of APIs as Postman auto enables TLS 1.3 when request is tested via it to establish the connection.