



DotEx Connectivity with TNS

DotEx and TNS

DotEx and Transaction Network Services (TNS) are working together to provide clients with high speed, ultra reliable and cost effective connectivity services to National Stock Exchange of India market data provided by DotEx. The combination of DotEx information services technology and TNS' tried and tested financial community network will prove to be an unmatched combination in the fast paced highly demanding securities trading world.

TNS Overview

Transaction Network Services (TNS) was one of the world's first organizations to offer a low latency extranet dedicated to meeting the unique needs of the financial community. Since those pioneering days, we've expanded our resilient private network and we now provide services in over 45 countries, in the Americas, Europe and Asia Pacific region.

We can currently deliver:

- Access to FIX connectivity, proprietary trading platforms, broker dealers, exchanges, MTFs, ATS' and ECNs.
- Third party and order routing services.
- On-net connectivity within days of request.
- Industry leading new connection set up lead times.
- 24/7/365 network monitoring.
- Customer portals, for ordering and monitoring.
- Connectivity to over 1,900 financial community endpoints around the world.
- Strategic hosting/co-location.

DotEx Overview

The data and info-vending services of National Stock Exchange of India Limited (NSE) are provided through DotEx International Limited (DotEx) which is a separate professional set-up dedicated solely for this purpose. DotEx provides NSE's market quotes and data for Capital Market Segment (CM), Futures and Options Segment (F&O), Wholesale Debt Market Segment (WDM), Securities Lending & Borrowing Market (SLBM), Currency Derivative Market Segment (CDS) and Corporate Data.

DotEx data products are classified under the following broad categories:

- Online streaming data feed (level 1, level 2, level 3 and tick by tick data).
- Snapshot data feed (1 min, 2 min and 5 min).
- 15 min delayed snapshot data.
- End of day data.
- Historical data (order data and trade data).
- Corporate data.
- iNAV calculation service for ETFs.
- End of day post trade data.

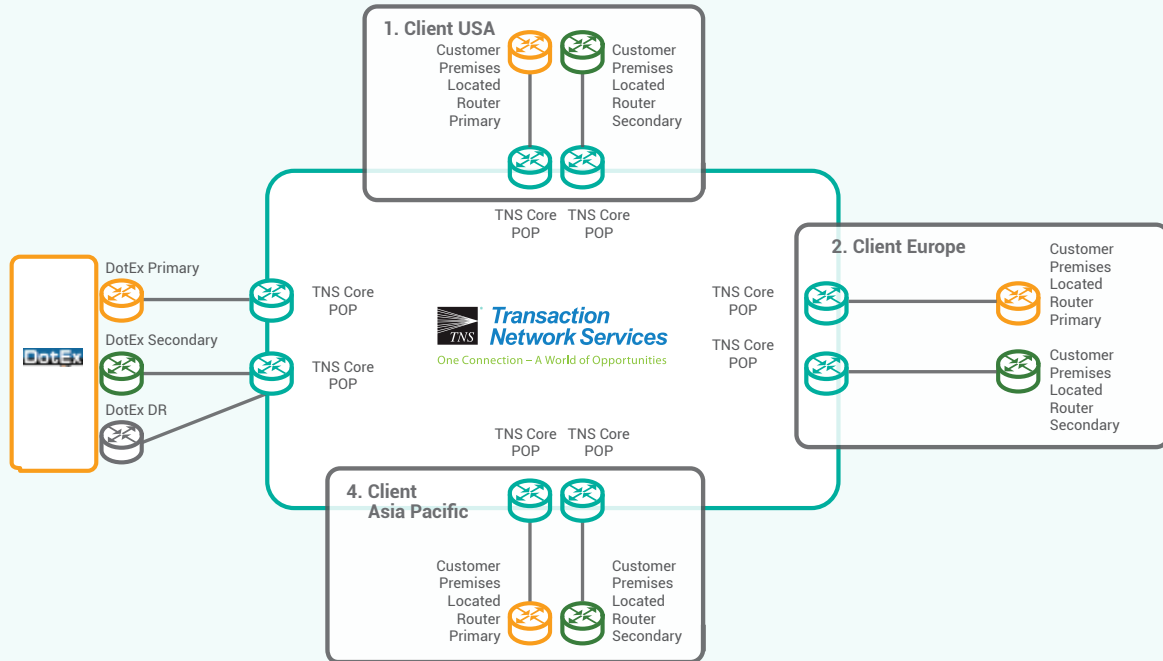
How it Works

DotEx is currently established on TNS' financial community network in Mumbai and Chennai with resilient connections to the production environment and additional connectivity to the DR facility. Many of DotEx approved market data vendors and ISV's are also connected to TNS' global network. Trading firms, market data vendors or ISV's that wish to connect to DotEx using TNS can use their existing TNS connection if they have one. New firms (not connected to TNS) can order a new connection to TNS and have their DotEx connection established speedily and efficiently.

About The National Stock Exchange of India (NSE):

In its 20 year history, NSE has transformed the capital market, based on technology, innovation, high standards of governance and management practices. NSE's business practices and high levels of integrity have earned it the trust of the financial markets worldwide. Besides being a platform of choice for all exchange traded financial products in India, NSE's flagship index, the Nifty 50, has become a benchmark national level economic parameter. Since inception, the exchange has been covered extensively by global media and has won many accolades as recognition of this remarkable journey.

The following diagram shows how customers can connect to TNS for DotEx Market Data.



Benefits of Connecting to TNS

Rapid Service Delivery

- On-net delivery in days.
- Established reputation in the industry for the shortest lead times when establishing new connections.

Resilient Connections

- No single point of failure across TNS' core network.
- A variety of resilient physical connections for clients.

Low Latency

- The TNS network is optimized for electronic securities trading.
- Network routes are routinely evaluated for performance.

Cost Efficient

- Connect once to TNS and clients have the ability to connect, where permitted, to any one of TNS' 1,900+ connected entities.

Expertise and Empathy

- TNS employees have many years of experience in serving the electronic trading community.

Full Management and Monitoring

- TNS manages the entire connectivity process from initial installation through to operational service and thereafter provides 24/7 connectivity monitoring from three network management centers.

There are many other benefits when you connect to TNS. For further information or to order a connection please contact a member of our sales team:

 **Europe** +44 (0) 20 7336 1510 **Hong Kong** +852 3180 9302 **India** +91 98400 36655 **Japan** +81 3 6205 4588

Singapore +65 6828 1188 **South Korea** +82 2 782 3914 **USA** +1 703 453 8506

 financial@tnsi.com

 www.tnsfinancial.com