



DEUTSCHE BÖRSE  
GROUP

Market Data + Services

# N7 – advanced network solutions

Global reach. Highest bandwidth.  
Proven reliability.



## N7 – your infrastructure for new opportunities

To compete in today's financial world, you need to deliver high-quality services via fast, reliable and secure connectivity. But it can take years to achieve the necessary expertise and infrastructure that your customers expect, while putting extra capital pressure on your business during uncertain times.

Deutsche Börse brings you N7 – an innovative and compelling network solution, based on our track record of developing and delivering fast and reliable access in some of the world's most complex financial exchange environments.

With N7, we combine technology and services to enhance your communications infrastructure via our independent and neutral global electronic network – supported day-to-day by Market Data + Services, the data and IT business of Deutsche Börse Group.

N7 has the global reach to connect you with your customers anywhere, and the flexibility to meet the requirements of your own products and services. It features the highest bandwidth speeds available in the financial industry, with proven reliability.

And N7 is both highly cost effective and efficient to operate. We will first work with you to help define and optimise the connectivity you need. Secondly, the Deutsche Börse team will have your new network up and running and fully monitored, in a matter of days.

## Proven track record

The technology and services that comprise N7 are based on more than 40 years of experience serving more than 600 customers worldwide, both inside and beyond the complex exchange sector.

N7 solutions provide connectivity for the entire financial services industry. Some examples:

- Eurex Exchange
- Eurex Clearing
- Xetra
- European Energy Exchange
- Central and Eastern Europe Stock Exchange Group (CEESEG)
- SIX Swiss Exchange
- 360T
- Irish Stock Exchange
- Malta Stock Exchange
- Bulgarian Stock Exchange
- Singapore Stock Exchange
- KRX Korea Exchange
- Banco Bradesco
- Information Mosaic
- dwpbank
- BKCP Bank
- LuxTrust
- Banca March
- Multrees Investor Services

## Key benefits of Deutsche Börse's N7 network solution

- High reliability
- Low latency
- Global reach
- Quality of service
- Monitoring of lines
- Short implementation time

Deutsche Börse's N7 network interconnects the world's financial communities and serves as the backbone of our global network service offering. N7 currently provides thousands of connections in 32 countries across Europe, North America and Asia.

### Tailored services with global reach

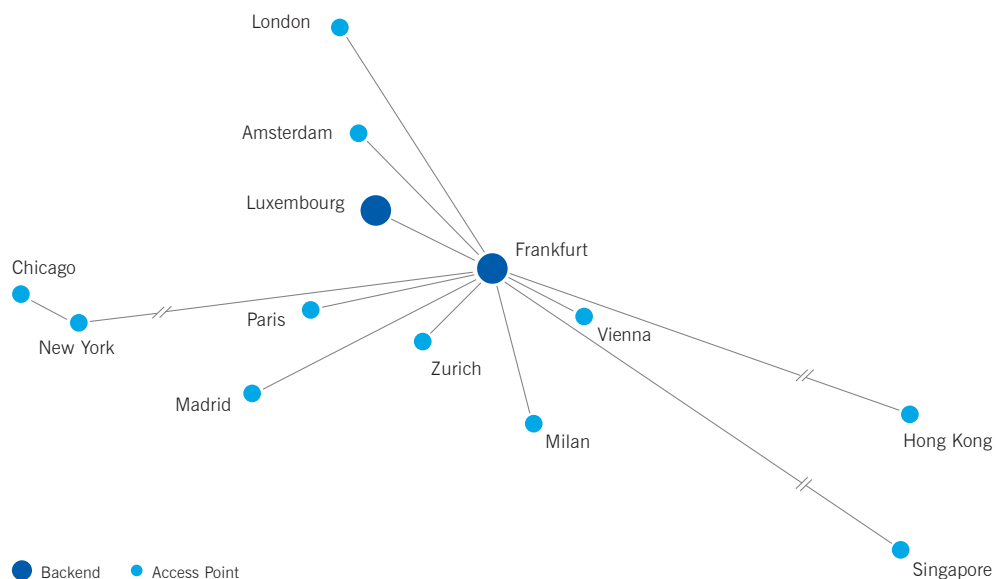
N7 is built to deliver speed, reliability and performance allowing firms to build and run mission critical services with confidence.

N7 powers all elements of the trade cycle, from secure access to trading systems, dissemination of real-time market data to delivery of applications and mission critical services. It also interconnects customers' own network of offices and data centres.

N7 is fully supported by Deutsche Börse's customer support organisation, available from our locations in Frankfurt, Chicago and Prague, around the clock, around the world.

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### Deutsche Börse's N7 network

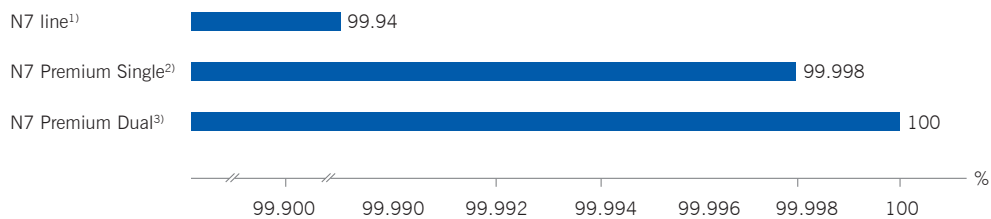


### Speed and reliability

N7 has been designed to meet the high demand for ultralow latency. At the same time, N7 fulfils highest performance, security and service standards. Our networks are extremely robust: customers connected via N7 Premium Dual did not experience any outage in 2014.

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### Connection availability



1) N7 line: availability for customers whose lines are monitored and operated by Deutsche Börse IT

2) N7 Premium Single Rail: availability for customers with two leased connections via one carrier

3) N7 Premium Dual Rail: availability for customers with two leased connections via two separate carriers

### Price efficiency

N7 creates value from standardisation, wholesale purchase and synergies – making our offering extremely attractive, and adding value to your business.

### Time-to-market

Connections to customers already connected to Deutsche Börse's N7 network will be established within a few days; in comparison, connection with international carriers requires between four to eight weeks.

## 7 Market Technology – the proven infrastructure technology of Deutsche Börse Group for licensing worldwide

N7 is just one aspect of Deutsche Börse's innovative family of integrated solutions – the 7 Market Technology series. The 7-Series branding scheme supports the Group's integrated business model and underscores the strategic IT objective to build and operate premium, innovative infrastructure. At present, the 7 Market Technology series comprises T7 (trading), C7 (clearing), N7 (network), M7 (trading) and F7 (repo trading).

### T7

T7 is the brand for the derivatives trading architecture currently used by Eurex Exchange and the International Securities Exchange. The T7 trading architecture represents a state-of-the-art technology, defined by attributes like high-speed, unparalleled performance, outstanding efficiency, large capacity and throughput as well as exceptional reliability and availability. Its flexible design allows the creation of applications and functionalities unique to each market structure and client base as well as rapid technology upgrades.

### C7

Eurex Clearing's clearing architecture was developed to help clearing houses respond to evolving product opportunities – including derivatives, securities and energy –, and to meet high volume demand and complex regulatory requirements. This is a low-footprint solution – with interfaces built on FIXML and AMQP – and is open to customer adaptation and link-up to other new technologies. Eurex Clearing is the lead user and migration to C7 for derivatives will be completed in 2015.

### N7

Market Data + Services' N7 global network solution interconnects market participants with the major players of the financial services industry throughout Europe, North America and Asia. It delivers unique key features, e.g. extremely high reliability and lowest latency, global reach and a high-quality 24 hours service.

### M7

M7 is a one-stop shop trading system used by exchanges and wholesale brokers to run intraday futures, forwards, cleared and OTC markets. Customers benefit from operational and financial gains by using M7 to connect to a global network of clearing houses, market operators, traders and systems. M7 benefits from great versatility; it can be utilised for multiple products and markets and brings together supply and demand from utilities, banks and funds.

### F7

Eurex Repo's new trading system, F7, is based on the experiences of Deutsche Börse Group and is integrated into its IT infrastructure. Similar to existing connection alternatives, the new trading architecture will allow web-based access and leased line connection via Deutsche Börse's N7 network.

# Get in touch to see what N7 can mean for your business

## Contact

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## Trademarks

7 Market Technology is a trademark protected in EU, Switzerland, Norway, USA, Japan and Taiwan. Further trademark registrations for China, Hong Kong, India, Singapore and Republic of Korea pending.

Today's global markets demand new standards of flexibility and performance. The 7 Market Technology series of Deutsche Börse Group offers a range of innovations in trading, clearing, risk management and connectivity – advanced infrastructure that lets you adapt to whatever the future brings. **Visit [www.deutsche-boerse.com/7](http://www.deutsche-boerse.com/7) to find out more.**

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