



DEUTSCHE BÖRSE
GROUP

Market data and analytics from Deutsche Börse

Powering the financial market

Market Data + Services



About us

Deutsche Börse Market Data + Services

Financial market participants require fast, concise and accurate information to successfully operate in today's markets. Deutsche Börse Market Data + Services supports customers with valuable and reliable input by extracting and deploying the right information at the right time. We supply capital market participants with digitised signals to identify and execute value maximising strategies.

Serving a wide range of customers

To meet the constantly evolving needs of our broad range of customers – banks, brokers, trading firms, algo traders, asset managers, hedge funds, data vendors and other market participants – we are continuously developing new products and data solutions. These products provide new and valuable insights into market activity and market influencing factors.

Powering markets with high quality information

Our Information Products provide information on all instruments listed on our own trading venues, such as the largest German stock market and pan-European electronic trading platform Xetra®, the leading international derivatives exchange Eurex® as well as those of our cooperation partners. Our rich Analytics suite provides valuable insight regarding market liquidity and trends and helps market participants to optimise their trading and risk management.

Focusing on speed

Getting trading relevant information to our customers as fast as possible is one of our top priorities. Our real-time data feeds benefit from proprietary state-of-the-art technology with system availability of more than 99.8 percent.



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Deutsche Börse is a global German company

Operating leading
derivatives and securities
exchanges

Deutsche Börse Group overview

As one of the world's leading exchange organisations with more than 10,000 employees, Deutsche Börse Group provides investors, financial institutions and companies with access to the global markets.

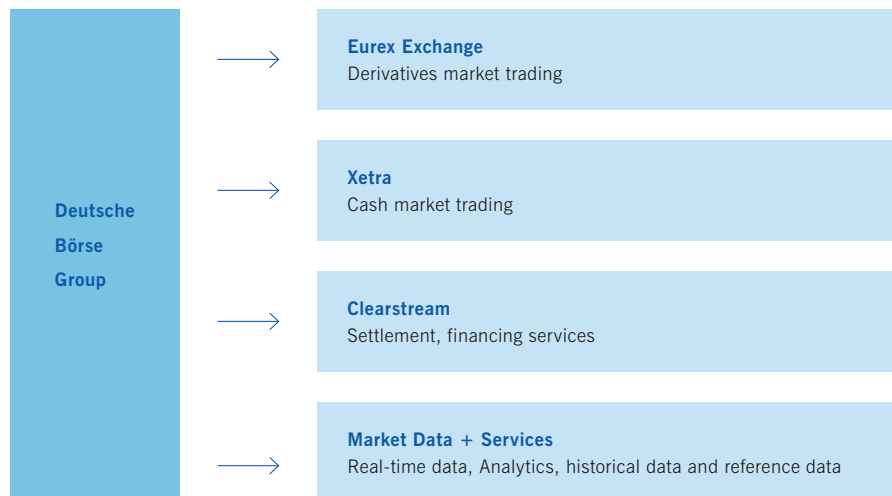
Our integrated business model covers the entire process chain from securities and derivatives trading, clearing, settlement and custody, through to the dissemination of market data and Analytics and the development and operation of electronic trading systems.

The Group's market data business, which is operated by Deutsche Börse Market Data + Services, is trusted by more than 4,000 institutions and manages over 410,000 data subscriptions as of 2021.



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Simplified illustration

Our proprietary sources – as unique as our products

Flagship trading venues

Deutsche Börse operates two of the world's leading trading venues for derivatives and securities.



1.6 Mio.

tradable products via Börse Frankfurt

EUREX

Eurex

- Eurex, one of the world's leading derivatives exchanges, offers a broad range of international benchmark products featuring open and low-cost electronic access
- Eurex connects more than 7,700 traders in over 35 countries, trading more than 6,0 million contracts daily
- Key instruments traded on Eurex include Euro-Bund futures, EURO STOXX 50® and DAX futures and options as well as equity and dividend derivatives

XETRA

Xetra

- Xetra is one of the leading trading platforms for securities in Europe. It is the reference market for exchange trading in German shares and also the European market leader in exchange-traded funds (ETFs)
- The world's largest exchange network connects over 200 participants from 18 countries
- Investors have access to over 3.000 German and international tradable products (equities, funds, certificates, etc.) via Xetra and more than 1.6 million tradable products via Börse Frankfurt
- Instruments traded on Xetra include the constituents of the German DAX index

Data as of June 2022

Flagship indices

STOXX

STOXX Indices are well known and respected far beyond Europe's borders and serve as underlying for exchange traded and OTC traded products as benchmark indices. Our Information Product STOXX Indices provides comprehensive real-time data for important European and global equity indices, including the flagship EURO STOXX 50 index

EURO STOXX 50®

- The EURO STOXX 50 index, the leading blue-chip index for the Eurozone, tracks 50 stocks from 13 Eurozone countries
- Some globally known index constituents are Adidas, BNP Paribas, AXA, BASF, BMW, Danone, ING, LVMH Moët Hennessy, Nokia, Siemens, SAP and Total



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The EURO STOXX 50 index, the leading blue-chip index for the Eurozone, tracks 50 stocks from 13 Eurozone countries

DAX

DAX

- The DAX index tracks the performance of the 40 largest German companies
- It is widely used as a benchmark for the German stock market
- Some globally known index constituents are SAP, Allianz, BMW, Daimler, Deutsche Bank, Siemens and Volkswagen

The fastest way to real-time information

Direct data feeds

Direct data feeds

Deutsche Börse's real-time CEF® data feeds supply market participants worldwide with trades, quotes and index values. Customers who subscribe to our direct data feeds receive the complete available information at highest quality and speed. Our data feeds deliver level 1 and level 2 information depths* and can be accessed via leased lines, co-location and internet via VPN.

CEF Core data feed

- Delivers Core Information Products as well as MiFID II Disaggregated Information Products in low latency
- Delivers the complete trade chronology and netted pre-trade information**

CEF Ultra+ data feeds

- Deliver Ultra Information Products in ultra low latency
- Provide the complete trade chronology and un-netted pre-trade Information**
- The following Information Products are disseminated via CEF Ultra+ feeds: Eurex Ultra and Xetra Ultra

CEF Ultra+ Order by Order feeds

- Deliver Premium Information Products in lowest latency
- Provide the entire visible order book
- The following Information Products are disseminated via CEF Ultra+ feeds: Eurex Order by Order Futures + Options, Eurex Order by Order Futures and Xetra Order by Order

Deutsche Börse Cloud Stream

Deutsche Börse Cloud Stream is a smart solution for streaming real-time information without the need for physical connectivity to different access points.

- Real-time information delivery via a cloud-based web-socket end point technology with highest data quality
- Customers can access the information through a convenient easy to connect API
- Information Products disseminated: Eurex(R) Micro Futures + Options Level 2, Tradegate (R) Level 1, KAIKO(R) Crypto Spot Level 1
- Access via internet or AWS Private Cloud

* Level 1 Real-time information contains best bid, best ask, last traded price and the respective quantity; level 2 Information provides increased order book depth.

** Netted pre-trade Information provides bids and offers at specified time intervals; un-netted pre-trade Information provides all bids and offers (up to the pre-defined order book depth) as soon as they occur.

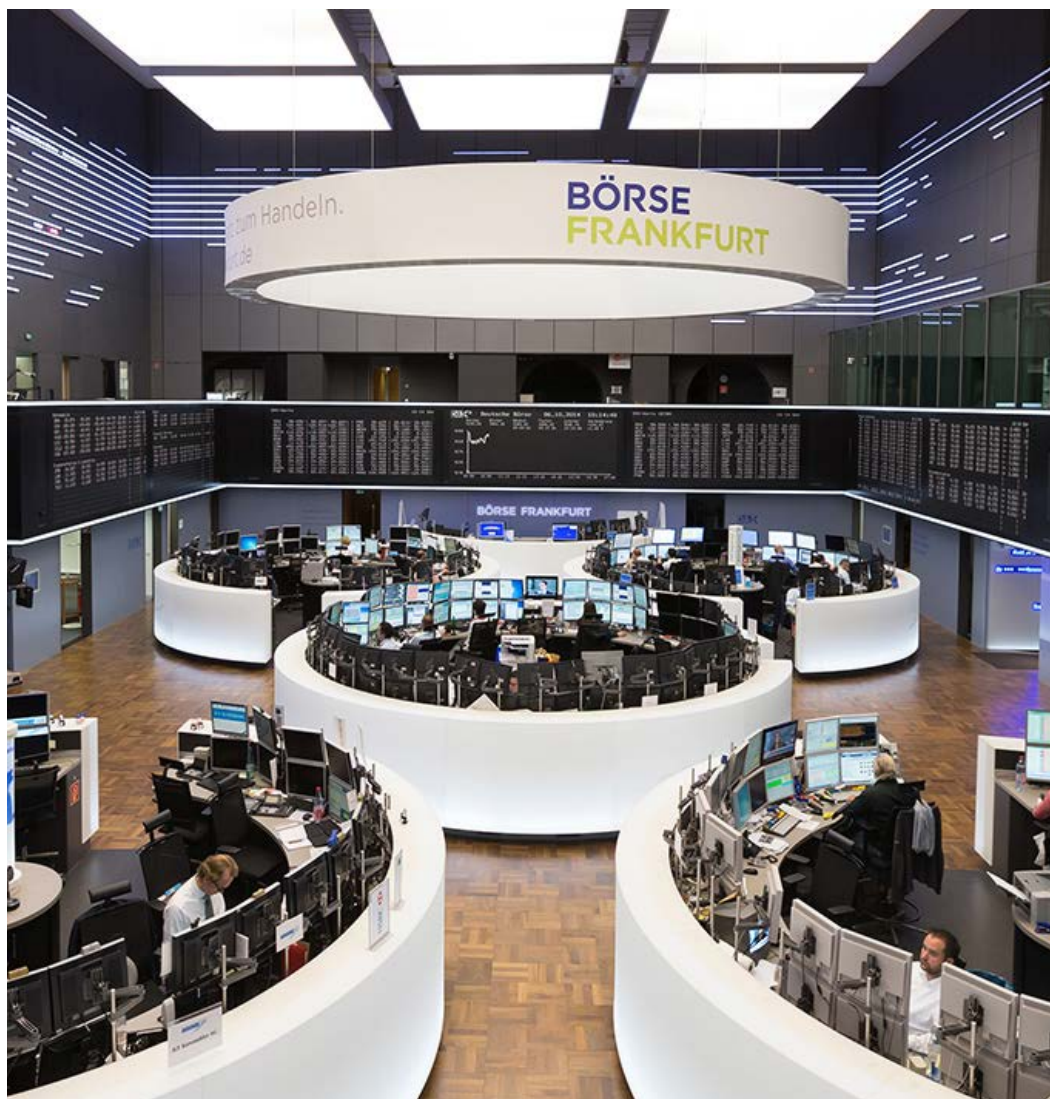
Market Data covering trading venues across the globe

Select the Information Products
that suit your needs

Real-time data

Our real-time data Information Products contain information from a wide range of sources and satisfy the needs of traders, algo traders, investment advisors, fund managers, data vendors and other market participants.

- We are the exclusive provider of trading information for Germany's leading stock market and pan-European electronic trading platform Xetra as well as for Eurex, one of the world's leading derivatives markets
- We disseminate trading information from our cooperation partners like Malta Stock Exchange, IHS Markit, Regional Exchanges Germany, 360T, Bolsa Mexicana de Valores and the Pakistan Stock Exchange
- We license data for our market data cooperation partners, e.g. BSE India, TAIFEX and the Pakistan Stock Exchange (PSX)
- Qontigo calculates the renowned DAX and STOXX indices. Deutsche Börse is the exclusive and fastest source of DAX and STOXX index data



Real-time data tailored to the needs of our customers

Our real-time Information Products provide various options in terms of data granularity and speed. Overall, there are four quality levels, which have been colour coded.

Quality levels		
Premium	<ul style="list-style-type: none">Information Products with the most granular order book dataReal-time analyticsLowest latency	
Ultra	<ul style="list-style-type: none">Advanced Information ProductsUn-netted pre-trade and trade informationLower latency	
Core	<ul style="list-style-type: none">Regular Information ProductsNetted pre-trade and un-netted trade informationLow latency	
MiFID II Disaggregated Products	<ul style="list-style-type: none">Pre- and post-trade Information Products as required by MiFID II	

* Netted pre-trade market data provides bids and offers at specified time intervals; un-netted pre-trade market data provides all bids and offers (up to the pre-defined order book depth) as soon as they occur.

Deutsche Börse Group Spot Markets Information Products		
	Xetra Order by Order	<ul style="list-style-type: none">▪ Provides the entire visible order book for all instruments▪ Contains un-netted pre-trade and un-netted trade information, i.e. all bids, offers and trades are provided as soon as they occur
	Xetra Ultra	<ul style="list-style-type: none">▪ Provides information from Xetra and Frankfurt Stock Exchange (Börse Frankfurt)▪ Contains un-netted pre-trade and un-netted trade information, i.e. all bids, offers and trades are provided as soon as they occur▪ Order book depth up to 10 best bid/ask prices for the most liquid instruments▪ Instruments covered include German and foreign stocks, funds, certificates and bonds▪ Designed for processing in algorithmic trading machines
	Xetra Core	<ul style="list-style-type: none">▪ Provides information from Xetra and Frankfurt Stock Exchange (Börse Frankfurt)▪ Contains netted pre-trade (bids and offers are provided at specified time intervals) and un-netted trade Information▪ Order book depth up to 10 best bid/ask prices for the most liquid instruments▪ Instruments covered include the DAX index constituents, other German and foreign stocks, funds, certificates and bonds
	Börse Frankfurt Certificates and Warrants	<ul style="list-style-type: none">▪ Provides trading information for more than one million certificates and warrants▪ Contains the traded prices, best bid/ask and volumes
	Tradegate	<ul style="list-style-type: none">▪ Information from Tradegate, the Berlin exchange for non-professional customers▪ Covers information from around 5,200 national and international stocks from Germany, Europe, Asia and the USA, 7,300 bonds, 1,800 mutual funds, 2,300 ETPs (Exchange Traded Products including ETFs, ETCs and ETNs).▪ Distribution via data feeds CEF Core and Cloud Stream

Deutsche Börse Group Derivatives Market Information Products

Eurex Order by Order Futures + Options	<ul style="list-style-type: none"> ▫ Provides the entire visible order book for Eurex futures and options
Eurex Order by Order Futures	<ul style="list-style-type: none"> ▫ Provides the entire visible order book for Eurex futures
Eurex Ultra	<ul style="list-style-type: none"> ▫ Un-netted pre-trade and un-netted Eurex trade information, i.e. all bids, offers and trades are provided as soon as they occur ▫ Price aggregated order book data up to 15 for futures and up to 5 for options ▫ Designed for processing in algorithmic trading machines
Eurex Core	<ul style="list-style-type: none"> ▫ Netted pre-trade (bids and offers are provided at specified time intervals) and un-netted Eurex trade information ▫ Price aggregated order book data up to 15 for futures and up to 5 for options
Eurex Micro Futures + Options	<ul style="list-style-type: none"> ▫ Designed for non-professional customers and information providers who distribute data to non-professional customers ▫ Micro futures contracts on EURO STOXX 50®, DAX® and SMI® ▫ Micro options on DAX(R) Index ▫ Netted pre-trade and un-netted post trade information ▫ Distribution via data feeds CEF Core and Cloud Stream
Eurex ICAP Swap Spreads	<ul style="list-style-type: none"> ▫ Provides important Euro yield spread information ▫ Derived from ICAP Euro interest rate swap rates and government bond future pre-trade information from Eurex
Eurex Retail Europe	<ul style="list-style-type: none"> ▫ Designed for private investors ▫ Delivers prices, best bids and asks for important Eurex derivatives

Qontigo Indices – Information Products

STOXX Indices	<ul style="list-style-type: none"> ▫ Provides information on the STOXX index family including the well-known EURO STOXX 50 index
DAX Indices and Xetra ETF	<ul style="list-style-type: none"> ▫ Delivers information on the complete Deutsche Börse index universe including the DAX index ▫ Provides trading information for the XTF segment with more than 1,000 exchange traded funds
Volatility Indices	<ul style="list-style-type: none"> ▫ Comprises information on the volatility indices VDAX-NEW and VSTOXX ▫ These indices track implied volatility for the respective indices
Customized and Focus Indices	<ul style="list-style-type: none"> ▫ Contains information on the customised indices developed for issuers of structured products, as well as focus indices for specific regions, sectors or themes ▫ The information is also included in the Information Products DAX Indices and Xetra ETF

Foreign Exchange (FX)

360T FX Spot and Swap Data	<ul style="list-style-type: none"> ▪ Spot and swap data from 360T's OTC trading platform ▪ 360T Spot data is sourced from the largest specialist market makers on 360T's spot execution platform as well as from institutional and corporate customers
360T EM FX Spot and Swap Data	<ul style="list-style-type: none"> ▪ Streaming mid and bid/offer spreads for more than 40 currency pairs across G10 and emerging markets
360T NDF FX Spot and Swap Data	<ul style="list-style-type: none"> ▪ 360T Swap data provides aggregated prices of contributing international and regional specialist banks
360T FX Spot Data	<ul style="list-style-type: none"> ▪ Standard tenors, IMM dates and special dates as well as turn dates for almost 50 currency pairs across G10, emerging markets and non-deliverable currencies

EEX (Energy & Commodities) – Information Products

EEX Power & Others	<ul style="list-style-type: none"> ▪ Information from one of the leading energy exchanges in Europe ▪ Provides information on power derivatives, emission allowances and agricultural futures traded on EEX
EEX Gas Spot Market	<ul style="list-style-type: none"> ▪ Delivers information on natural gas spot and futures contracts traded on EEX
EEX Gas Derivatives Market	<ul style="list-style-type: none"> ▪ Delivers data for natural gas futures contracts traded on EEX
EEX Agricultural	<ul style="list-style-type: none"> ▪ Provides information on for agriculture indices and futures traded on the European Energy Exchange (EEX)

European Spot Markets – Information Products

Regional Exchanges Germany	<ul style="list-style-type: none"> ▪ Information from Germany's regional exchanges (Berlin, Dusseldorf, Hamburg-Hanover, Munich) ▪ In combination with the Information Product Xetra Core this data set provides a detailed picture of securities trading in Germany
Malta Stock Exchange	<ul style="list-style-type: none"> ▪ Information from the Malta Stock Exchange
Bulgaria Stock Exchange – Sofia	<ul style="list-style-type: none"> ▪ Information from Bulgaria's only stock exchange
Bulgaria Stock Exchange – Sofia Indices	<ul style="list-style-type: none"> ▪ Delivers index information for BSE Sofia indices ▪ Currently covers the SOFIX, BGBX40, BG TR30 and BG REIT indices

Fixed Income – Information Products

Eurex Repo	<ul style="list-style-type: none"> ▪ Delivers inter-dealer repo data comprising best bid/ask quotes with respective sizes ▪ Eurex Repo is one of Europe's leading repo platforms with more than 160 admitted participants
iBoxx Indices	<ul style="list-style-type: none"> ▪ The iBoxx indices are based on bid and ask bond prices that are supplied to IHS Markit throughout the day by leading international investment banks
iBoxx Consolidated Prices	<ul style="list-style-type: none"> ▪ The Information Product offers an in-depth view of the European bond market ▪ iBoxx Consolidated Prices are based on bid and ask quotes provided each minute by contributing banks to IHS Markit, the provider of iBoxx indices ▪ iBoxx € Consolidated Prices provides real-time data for EUR denominated government bonds, sub-sovereigns, collateralized and corporate bonds ▪ iBoxx £ Consolidated Prices provides real-time data for GBP denominated government bonds, sub-sovereigns, collateralized and corporate bonds

Digital Assets

Deutsche Börse Crypto Spot powered by KAIKO®	<ul style="list-style-type: none"> ▪ Crypto Spot data from centralised and decentralised exchanges powered by leading crypto data aggregator KAIKO®
Deutsche Börse - Crypto Derivative powered by KAIKO®	<ul style="list-style-type: none"> ▪ All assets on Centralised Exchanges

Asian Markets – Information Products

BSE India Spot Market Premium	<ul style="list-style-type: none"> ▪ Data for securities traded on BSE India ▪ Full order book depth ▪ Lowest latency ▪ Un-netted pre-trade Information
BSE India Spot Market Ultra	<ul style="list-style-type: none"> ▪ Data for securities traded on BSE India ▪ Lowest latency ▪ Un-netted pre-trade Information
BSE India Currency and Interest Rate Derivatives Ultra	<ul style="list-style-type: none"> ▪ Data for currency and interest rate derivatives traded on BSE India ▪ Lowest latency ▪ Un-netted pre-trade Information
BSE India Index and Equity Derivatives Ultra	<ul style="list-style-type: none"> ▪ Data for index and equity derivatives traded on BSE India ▪ Lowest latency ▪ Un-netted pre-trade Information
BSE India Indices Ultra	<ul style="list-style-type: none"> ▪ Data for BSE indices ▪ Includes data for the S&P BSE SENSEX index which tracks the performance of 30 of the largest Indian companies ▪ Lowest latency ▪ Un-netted pre-trade Information
TAIFEX Derivatives Market Ultra	<ul style="list-style-type: none"> ▪ Data for all derivatives tradeable on TAIFEX including TAIFEX futures and options ▪ Un-netted pre-trade Information
BSE India Spot Market	<ul style="list-style-type: none"> ▪ Data for securities traded on BSE India
BSE India Commodity Derivatives	<ul style="list-style-type: none"> ▪ Data for commodity derivatives (e.g. gold and silver) traded on BSE India
BSE India Currency and Interest Rate Derivatives	<ul style="list-style-type: none"> ▪ Data for currency and interest rate derivatives traded on BSE India
BSE India Index and Equity Derivatives	<ul style="list-style-type: none"> ▪ Data for index and equity derivatives traded on BSE India
BSE India Indices	<ul style="list-style-type: none"> ▪ Data for BSE India indices
BSE India iNAVs	<ul style="list-style-type: none"> ▪ iNAVs provides an intraday indicative value of an ETF based on the market values of its underlying constituents ▪ The iNAVs are disclosed on an continuous basis
BSE India Debt Market	<ul style="list-style-type: none"> ▪ Corporate and government bond data for both the retail and wholesale markets
BSE India Electronic Gold Receipts (EGR)	<ul style="list-style-type: none"> ▪ Real-time data from BSE India's Gold Receipts segment ▪ Allows efficient price discovery and standardisation of gold as well as transparency in gold transactions
BSE India Electronic Gold Receipts (EGR)	<ul style="list-style-type: none"> ▪ Real-time data from BSE India's Gold Receipts segment ▪ Allows efficient price discovery and standardisation of gold as well as transparency in gold transactions
India INX	<ul style="list-style-type: none"> ▪ Information from India INX, India's first International Financial Service Centre (IFSC)
TAIFEX Derivatives Market	<ul style="list-style-type: none"> ▪ Information from Taiwan Futures Exchange (TAIFEX), the only derivatives exchange in Taiwan and the second largest options market in Asia
TAIFEX Volatility Indices	<ul style="list-style-type: none"> ▪ Data for the TAIFEX Options Volatility Index
PSX Spot and Derivatives Market	<ul style="list-style-type: none"> ▪ Deutsche Börse acts as exclusive licensor of PSX data for international customers ▪ Un-netted pre-and post-trade Information ▪ Level 1 (best bid/best offer) and Level 2 (market depth up to 10 levels)
PSX Indices	<ul style="list-style-type: none"> ▪ Price information of the PSX index family

Latin American markets – Information Product

BMV® Spot Market	<ul style="list-style-type: none"> ▪ BMV's local and global market (Best Bid/Best Offer) ▪ BMV's local and global market (Market depth up to 20 Levels) ▪ CEF® Core Information Product
MexDer® Derivatives Market	<ul style="list-style-type: none"> ▪ Information from MexDer, Mexico's only derivatives exchange ▪ Futures and Options Market (Best Bid/Best Offer) ▪ Futures and Options Market (Market Depth 10 Levels) ▪ CEF® Core Information Product
BMV® Indices	<ul style="list-style-type: none"> ▪ BMV's index family consists of more than 70 indexes ▪ Main indexes reflect the industry sectors, economic activity, fundamental, strategy as well as international indices ▪ CEF® Core Information Product
BMV® iNAVs	<ul style="list-style-type: none"> ▪ iNAV provides an intraday indicative value of an ETF based on the market values of its underlying constituents ▪ The values are calculated by the BMV and disseminated to the market participants in realtime ▪ iNAVs are amongst others calculated for local equity ETFs ▪ CEF® Core Information Product
Santiago Exchange	<ul style="list-style-type: none"> ▪ The Information Product Santiago Exchange Indices and Spot Market provides information about Santiago Exchange's index family and spot market ▪ CEF® Core Information Product

Trax MiFID II APA Service

Trax APA Post Trade Reporting – Equities	<ul style="list-style-type: none"> ▪ OTC trading information for the EU, UK and the Netherlands ▪ Covers equities and equity like products ▪ Fields include instrument identifier, price, quantity, trading date, time, etc.
Trax APA Post Trade Reporting – Fixed Income	<ul style="list-style-type: none"> ▪ OTC trading information for the EU, UK and the Netherlands ▪ Covers bonds and structure finance products ▪ Fields include instrument identifier, price, quantity, trading date, time, etc.
Trax APA Post Trade Reporting – Derivatives	<ul style="list-style-type: none"> ▪ Covers derivatives ▪ Fields include instrument identifier, price, quantity, trading date, time, etc.
Trax APA Post Trade Reporting – Emissions & Other	<ul style="list-style-type: none"> ▪ Covers emission allowance products ▪ Fields include instrument identifier, price, quantity, trading date, time, etc.
Trax APA Pre-Trade Reporting – Systematic Internaliser	<ul style="list-style-type: none"> ▪ OTC quote details ▪ Fields include instrument identifier, bid, ask, quantity, validity date, time, etc.



MiFID II – Disaggregated Information Products

Xetra – Pre-Trade	Xetra – Post-Trade
Börse Frankfurt – Pre-Trade	Börse Frankfurt – Post-Trade
Tradegate – Pre-Trade	Tradegate – Post-Trade
Eurex – Pre-Trade	Eurex – Post-Trade
EEX Power & Others – Derivatives Market – Pre-Trade	EEX Power & Others – Derivatives Market – Post-Trade
EEX Gas – Derivatives Market – Pre-Trade	EEX Gas – Derivatives Market – Post-Trade
Börse Düsseldorf – Pre-Trade	Börse Düsseldorf – Post-Trade
Börse München – Pre-Trade	Börse München – Post-Trade
Börse Hamburg – Pre-Trade	Börse Hamburg – Post-Trade
Börse Hannover – Pre-Trade	Börse Hannover – Post-Trade
Börse Berlin – Pre-Trade	Börse Berlin – Post-Trade
Malta Stock Exchange – Pre-Trade	Malta Stock Exchange – Post-Trade
Bulgaria Stock Exchange – Pre-Trade	Bulgaria Stock Exchange – Post-Trade

Pre-trade disaggregated Information Products include

- Up to 5 best bids/asks
- Volumes

Post-trade disaggregated Information Products include

- Traded prices
- Volumes

High-quality analytics to improve your trading strategies

Unique insights into market
trends and sentiment

Analytics

Unique market insights based on Deutsche Börse proprietary data support our customers in optimizing their trading strategies.

Analytics

A7 Analytics Platform	<ul style="list-style-type: none"> Cloud-based access to highly granular intraday and historical market data from Eurex, Xetra and EEX and CME Group Ready to use platform which offers analytics as a service A7 covers all Eurex, Xetra and EEX traded instruments The CME Group data includes all major asset classes from the Chicago Board of Trade (CBOT), the Chicago Mercantile Exchange (CME), the Commodity Exchange (COMEX) and the New York Mercantile Exchange (NYMEX) with history back to 2017 Eurex and Xetra data is available as of April 2019 and intraday, EEX data is available as of November 2020 and intraday The CME Group data is available on a T+1 basis. The history goes back to 2017 Access to A7 through a browser-based frontend, the data can be retrieved via API
High Precision Timestamps (HPT)	<ul style="list-style-type: none"> Essential input to calculate accurate time lags for Eurex and Xetra Daily file service that provides nanosecond precise timestamps that are captured at various points of the exchange's network, e.g. as soon as an order arrives at the exchange's partition specific switch Available as HPT Executions File Service and HPT All File Service
Eurex Open Interest Insights	<ul style="list-style-type: none"> Complements Eurex Flow Insights by adding additional transparency with measures around Open Interest The product universe includes all liquid Eurex products (approx. 1000 products), providing insights into the distribution of exposure in the futures and options markets
Xetra Flow Insights	<ul style="list-style-type: none"> Daily analysis of net traded order flow by "customer" and "non-customer"-groups for all instruments traded on Xetra
HHI Insights	<ul style="list-style-type: none"> Helps market participants to assess the quality of available liquidity and to identify concentration risk Gives customers additional guidance when deciding whether to add a new market to their trading universe, set maximum position limits or when to adjust how aggressively they would like to enter and exit positions
Eurex IOC Liquidity Indicator for Options	<ul style="list-style-type: none"> Real-time insights into the "invisible" liquidity of more than 70 Eurex options products Offers the aggregated volume of deleted IOC orders within a defined time period
Risk Alerts	<ul style="list-style-type: none"> Real-time information on exceptional price and order book behavior of DAX, EURO STOXX 50 and Euro-Bund futures



Historical data helps shape future results

High-quality data for meaningful
forecasts and analyses

Deutsche Börse Data Shop

The newly designed Data Shop comes with a clear and modern look and offers new functionalities such as a purely file-based delivery platform, a newly tailored product range and a common user pool for the Data Shop and our A7 Analytics Platform.

The below data can be ordered at historical-datashop.deutsche-boerse.com.

Historical market data	
Market data stream files for Eurex EMDI Eurex EOBI Eurex RDI Xetra EnBS Xetra EMDI Xetra EOBI Xetra RDI	<ul style="list-style-type: none"> ▪ Provided for Xetra and Eurex Exchange ▪ Various order book depths available (e.g. Eurex EOBI provides every visible order, Eurex EMDI order book depth 15, Xetra EMDI order book depth 10) ▪ Eurex RDI/Xetra RDI provide reference data in stream format
Analytics	<ul style="list-style-type: none"> ▪ Eurex Flow Insights ▪ Eurex Open Interest Insights ▪ Xetra Flow Insights ▪ HHI Insights ▪ High Precision Timestamps
Bond Liquidity Data	<ul style="list-style-type: none"> ▪ Provides insight on instrument liquidity and trading activity through a post-trade data set derived from Clearstream settlement instructions ▪ Enables investors to fairly evaluate fixed-income assets and portfolios, measure liquidity and systemic risk of bond issuers and estimate execution prices for secondary trades
360T	<ul style="list-style-type: none"> ▪ Historical data from 360T's Historical Data Feed (HDF), distributing the historical data from 360T's Essential Data Feed (EDF) and Swaps Data Feed (SDF)
China ESG	<ul style="list-style-type: none"> ▪ ESG Data from the International Institute of Green Finance (IIGF) ▪ The database products include ESG scores and ratings for Listed Companies as well as ESG data from Bond Issuer Companies



Meet the market requirements with our reference data

Extensive and high-quality range of verified master and corporate action data

PROPRIS

PROPRIS is Deutsche Börse's listing, master and corporate actions data product. Data is taken from Deutsche Börse's own processes and made available for our customers.

The following packages are disseminated several times per day per XML files via a file server.

PROPRIS	
Listing	<ul style="list-style-type: none"> ▪ Provided from listing process of Frankfurt Stock Exchange and Xetra ▪ Covers all instruments listed on Frankfurt and Xetra (w/o warrants and certificates)
Target 2 Securities Master Data	<ul style="list-style-type: none"> ▪ Provided from the Target 2 Securities processes of Clearstream Banking Frankfurt as Issuer CSD ▪ Covers instruments held in collective safe custody at Clearstream Banking Frankfurt as Issuer CSD
New Issues	<ul style="list-style-type: none"> ▪ Data from the new issues processes of Deutsche Börse (data collected in Frankfurt, Luxembourg and London) ▪ Covers all asset classes ▪ Product packages can be combined individually
Financial events	<ul style="list-style-type: none"> ▪ Corporate action, redemptions and income data from the Clearstream custody process (data collection in Frankfurt and Luxembourg) ▪ More than 300 data fields and information for 50 types of events ▪ Product packages can be combined individually
Place of Safekeeping / Lagerstellen Daten	<ul style="list-style-type: none"> ▪ Place of Safekeeping (Lagerland) per security ▪ Product covers all instruments settled via T2S held in custody by CBL with ISIN prefix "XS" or in collective custody

WSS Securities Service System

WSS provides back offices with settlement related securities information.

WSS Securities Service System	
WSS Online Plus	<ul style="list-style-type: none"> ▪ Customizable master, event and price data for securities listed in Germany and abroad ▪ Reference data for all instruments in collective safe custody at Clearstream Banking Frankfurt as well as for all securities with XS and LU ISINs held in custody held in custody at Clearstream Banking Luxembourg (PROPRIS) ▪ For securities listed in Germany, information on closing prices (with time of origin and turnover per orderbook statistic) is available in addition to real-time information ▪ Direct access to real-time data from Deutsche Börse and German trading floors, to daily data from the data vendors WM Datenservice and Refinitiv and to daily data from ESMA (FIRDS/FITRS) ▪ In contrast to the original HOST version, the web-based tool is updated on a regular basis with dedicated releases ▪ The data provided via WSS Online Plus is also available as data feed via WSS Batch (price data) and PROPRIS® (master and event data).
WSS Batch	<ul style="list-style-type: none"> ▪ All reference and price data on a daily basis

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