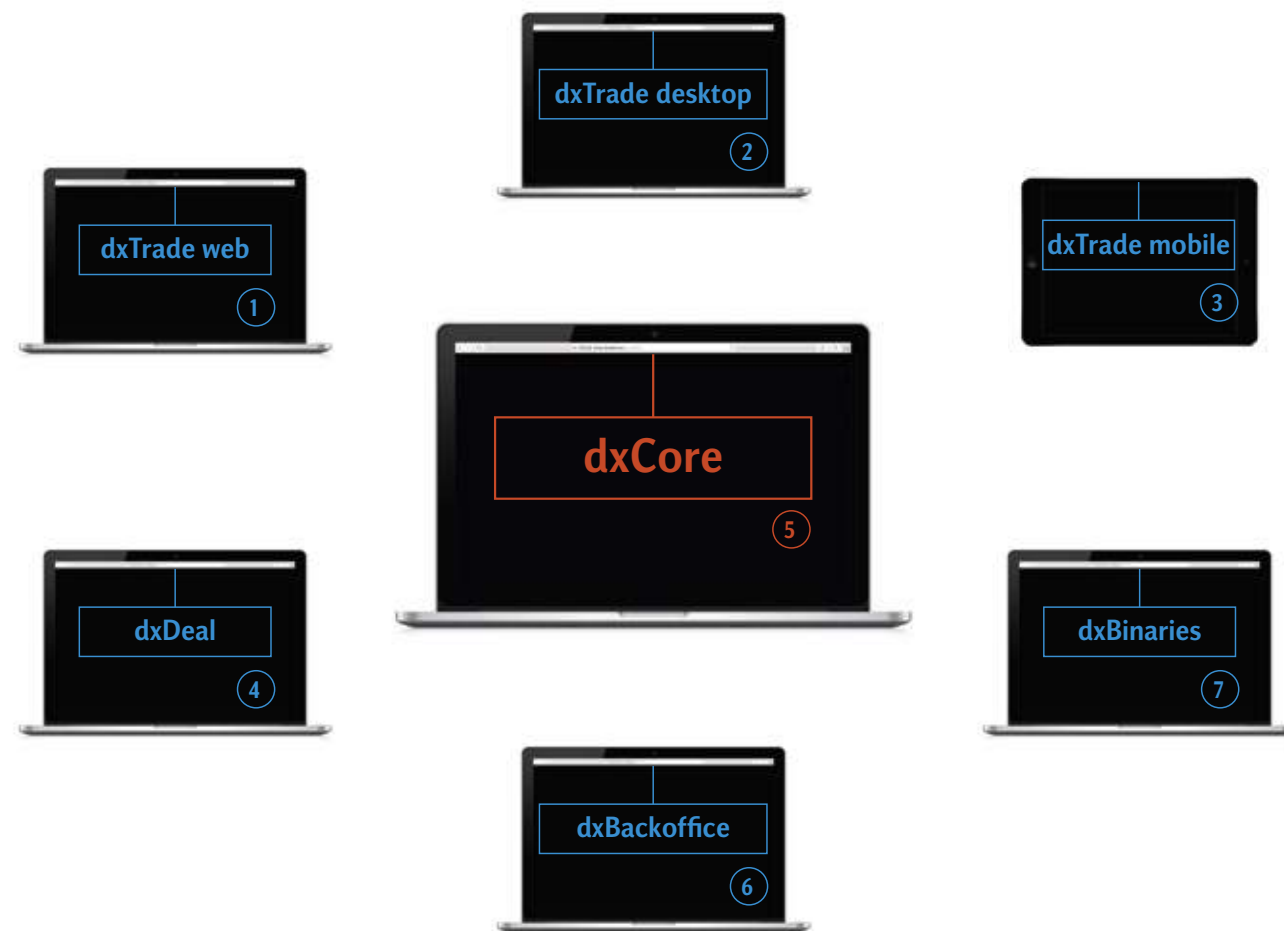




dxFX Suite

Products



Are you an experienced over-the-counter broker with an established process and customer base looking for new opportunities? Or maybe a start-up in search of a trading platform to launch your business? Whichever you choose, Devexperts has something to offer you.

Our multi-asset trading suite grows every day: we actually added several features while you were reading this.

dxTrade web



Easy trading

- Place your orders quickly across the platform. Supported order types: market, limit, stop, trailing stop, if-then, OCO
- Configurable list of trading symbols (watchlist)
- Pluggable news feeds and analytics including AutoChartist
- Integrated economic calendar

User-friendly interface

- Simple layout for novice traders
- Complex layout for sophisticated traders
- Integrated sales-funnel, client cabinet/portal and broker's website

Smooth integration with broker's environment

- Account opening and deposit / withdrawal operations integrated with broker's environment via Backoffice API
- Single sign on (SSO) process for clients between dxTrade and broker's portal.
- Simple and custom while-label solutions
- Platform is available in many different languages

Powerful charting engine

- Various chart types (bars, candles, line etc)
- Great variety of indicators and drawing tools
- Trading from chart (place and edit orders from chart)
- Charting widget can be used as a standalone tool on broker's website

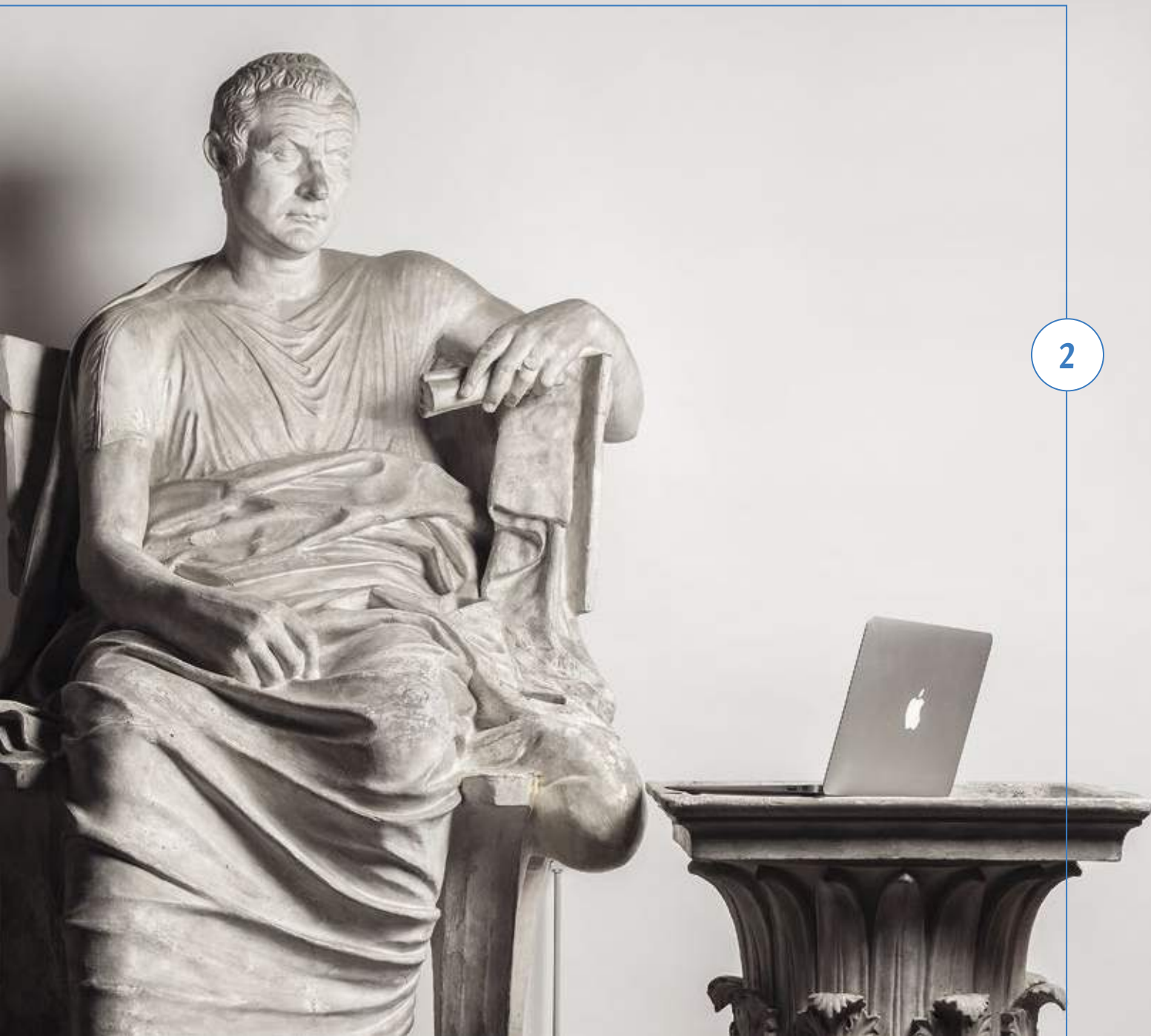
dxTrade is a retail trading platform. Its intuitive, powerful browser-based interface will give your novice customers everything they need to make their first trade. On the other hand, your experienced traders will enjoy its variety of trading tools, powerful charting package, configurable layouts, and much more.

1



dxTrade desktop is downloadable version of dxTrade. It is a multi-asset trading platform for desktop environments, it runs on Mac & Windows. From the very beginning, scalability and flexibility have been the two core principles of dxTrade development.

To make it work for the pickiest professional traders, we included multi-screen configuration with trading, analytics, charting with technical analysis, news, heatmaps, depth of market, fundamental data and other complex widgets. Combine all this power under your brand, customize it as intensely as you like and let them trade with dxTrade.



2

dxTrade desktop



Chart-and-trade

- Full diversification of your portfolio is now possible thanks to adoption of the multi-asset paradigm: spot forex, contracts for differences (indices, commodities, shares), spread bets and OTC options
- Complex orders are actually a simple solution; link your orders together to keep up with ever changing market conditions.
- Charting package allows you to make future decisions or back-test your trading strategies.

Flexibility

- We offer a vastly customizable layout engine combined with a high-performance UI.
- Multi-monitor configuration makes sure that nothing will be missed.
- Multi-language support leaves no doubt your customers will understand the platform completely.

dxTrade mobile



We offer

- Smartphone and tablet versions for iOS and Android
- White-labeling to keep your branding style consistent
- A multitude of languages included
- User-friendly, intuitive interface

Configurable symbol list

- Stream your quotes in real-time or delayed.
- Use our predictive instrument search.
- Enjoy the «quick quote» mode

Trade easily

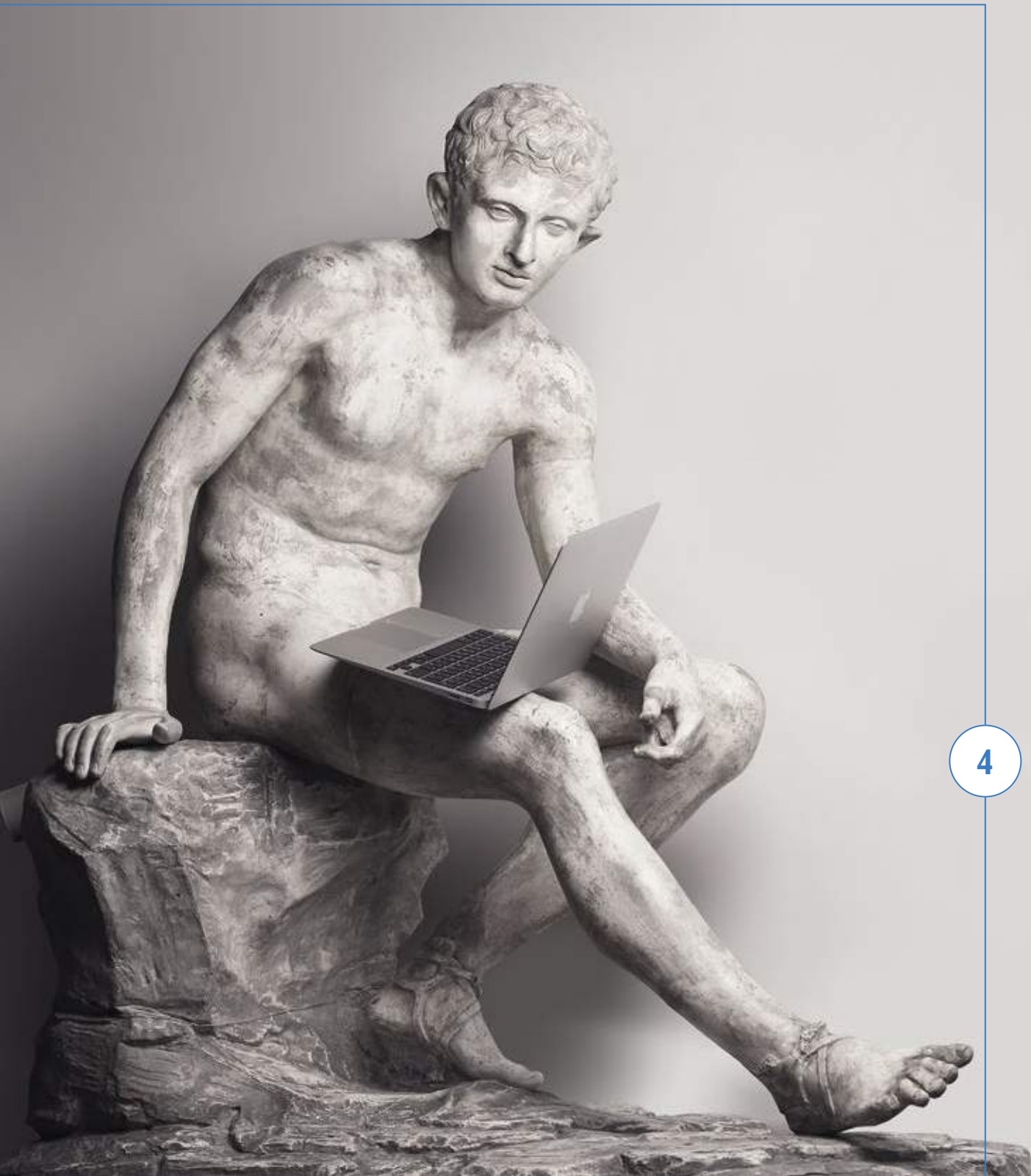
- We know you know how to trade, just give it some protection with smart order types: market, limit, stop, OCO, if-then
- Close and protect your positions with single orders or OCO strategies
- Manage your portfolio, monitor your performance with real-time updates; keep all your orders just one tap away
- Edit or cancel your working orders
- Use historical charts with configurable period and aggregation types, based on delayed or real-time market data, with lighting fast streaming updates.
- Always stay alert on the latest news.

You have found the perfect mobile companion for your trading platform. Attractive and easy-to-use, it will let your customers trade on the go.

These days, it is difficult to imagine a trading platform without a mobile interface. Widely regarded as an advantage just a few years ago, it has now become a necessity to have one. Or maybe four, as we do. We offer a mobile application for each of the popular device types: iPhone, iPad, Android smartphones, and Android tablets.



dxDeal is a risk management tool for your brokerage operations. It provides instant access to the real-time data and control of what your risk-management team needs the most.



4

dxDeal



Risk management

- Automatically execute orders in a flexible manner
- A/B/C books
- Choose order execution rules from multiple predefined risk strategies
- Let us create a custom execution strategy for you
- Monitor and analyze exposure on various asset classes, filter by books of business and client groups
- Trade with LPs from your exposure screen

Account management

- Create as many client groups as you need
- Apply profile-based account settings

Operations

- Manage users
- Control orders
- Monitor open positions
- Execute orders on behalf of client accounts

Price management

- Configure client quote feed based on LP feeds and various backend settings
- Offer your clients fixed or variable spreads
- Fine-tune the price markups on account and group levels

dxCore

Architecture

- Multi-asset characteristics paradigm
- Boosted Performance
- Pluggable logic (e.g. margining, order validation and routing)
- Position management: net-based, position based, mixed (track-based)

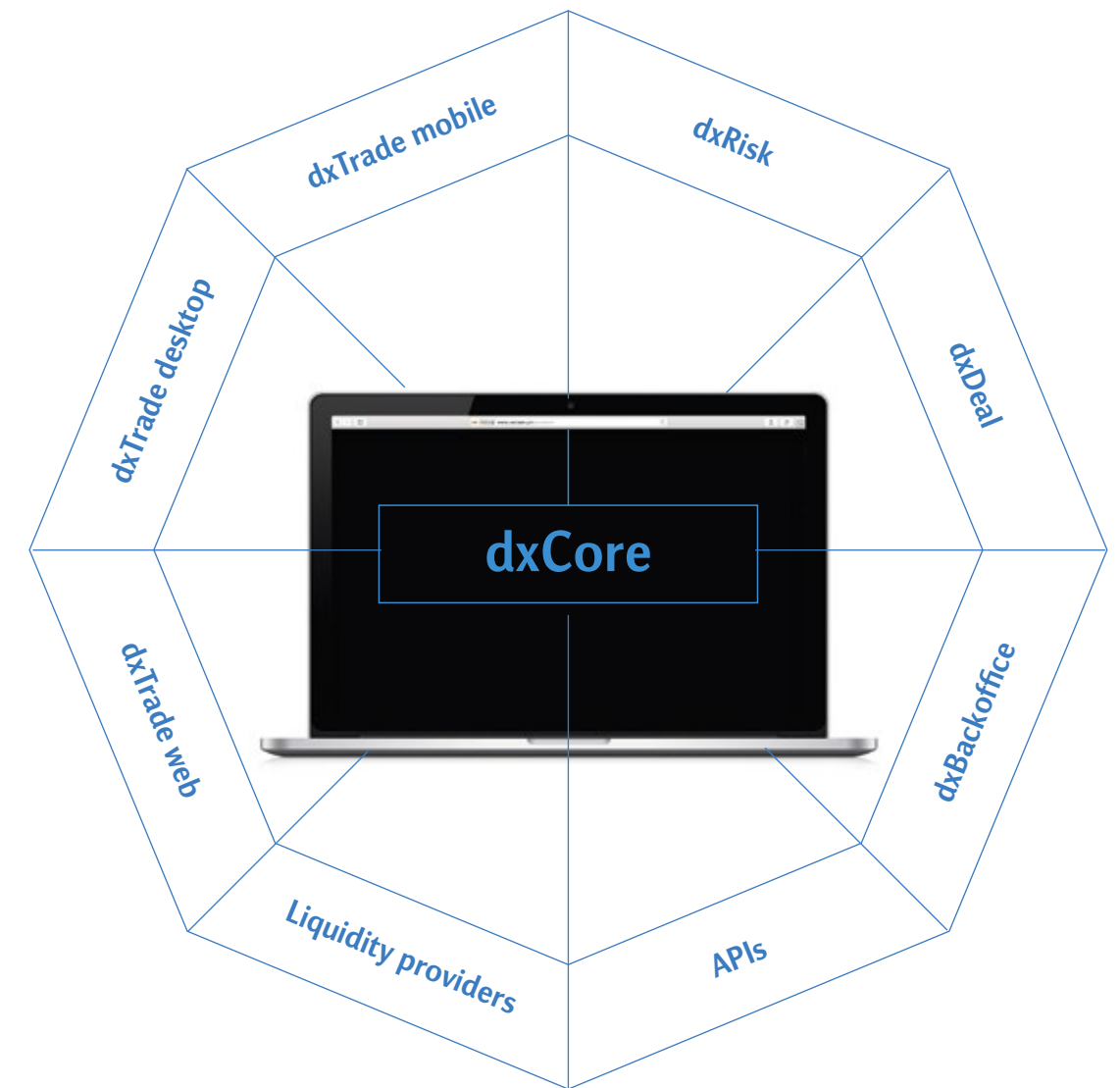
Supported order types

- Market, limit, stop, trailing stop if-then, if-then-oco, attached. Day, GTC, IOC, GTD, FOK
- Routing rules (B book, LP, exchange)
- Support of High Frequency Trading (HFT) strategies
- Spread orders for exchange-traded symbols

APIs

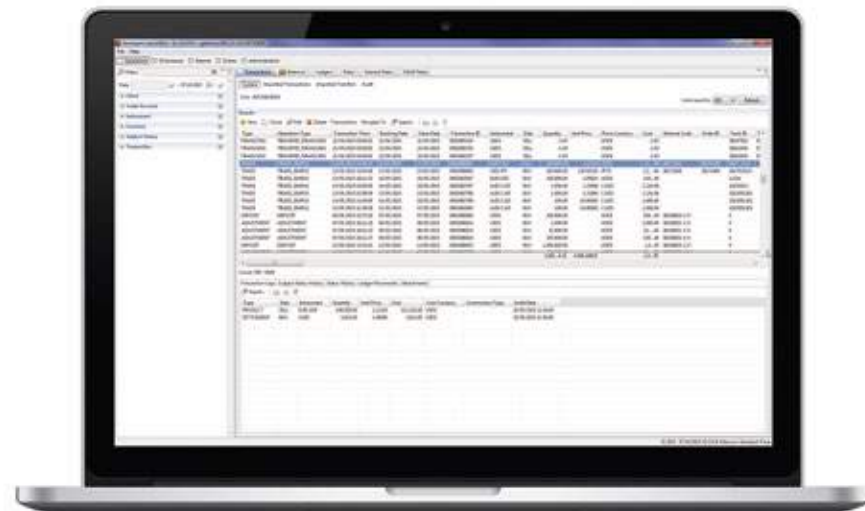
- FIX
- Administrative REST API

5



Being an order management system (OMS), dxCore is the heart of the trading platform. Its pluggable, highly flexible, horizontally scalable architecture is capable of processing hundreds of orders per second for multiple asset classes. These classes include over-the-counter (FX, CFD, SB, and binary options) and exchange-traded instruments (equities, futures, options, etc.).

dxBackoffice



Box solutions usually include a basic back office functionality that offers a predefined set of features for reporting, integration, rollover, etc. The trick here is that integration between those is rarely provided: should the broker have several platforms, they will most definitely require separate work. Thus, the end-of-day activity is performed at least twice, which invokes problems with automation, poor data mining, and overall service deterioration. Moreover, adding a custom commission or report might also cause a problem as these features aren't usually included in the box version.

The most basic pattern for a broker to start their business is using a single trading platform, which is, in most cases, a box solution, like MT4. If the business goes quite well, the broker will most likely want to somehow expand it, either by adding new box solutions or by developing their own platform full of new handy features for clients.



dxBackoffice

Core Features

- Client onboarding
- User/account management
- Data consolidation across several trading platforms (including MT4)
- Deposit /withdrawal
- Can be integrated with broker portals/client cabinets.

Reporting

- Regulatory reports
- Operational reports
- IB reports
- Customizable reports

Audit

- Client trade dispute
- Reconciliation

The scale of the problem was acknowledged many years ago, which resulted in singling out all these activities into a separate unit: the back office. As with many other productions, there are two usage patterns for it: as a third-party service or as a proprietary solution. The first pattern implies connection to a third-party back office instance with a certain monthly fee, while the second one suggests installing your own back office instance that will solve all the described problems forever.

dxBackoffice is a full service CRM, a business operations tool tailored to your business process. It allows you to consolidate all your customers' data, trading history, and reports in one place. Besides that, it facilitates client accounts management, runs historical and real-time operational and regulatory reports, exports and imports data to/from third-party systems (including MT4). Consider providing your IBs with access to this tool that can manage their own clients, see their own operational stats, etc.



7

dxBinaries



You bet. We flip the coin:

- Standard option types: up/down, high yield touch, double touch.
- Short-term options (60/ 90/ 120 sec).
- Tools (rollover, double up, buy out).
- Charting with technical analysis.
- Online reporting.
- Fully automated risk management.
- Technology suitable for established brokers.

Option markets are often lacking liquidity in certain strikes and the task of determining market price or a fair settlement price is not always trivial. dxPrice is a technology that derives the best possible option prices from whatever market data is available.

8

dxPrice

options pricing



The technology can be used in a variety of applications such as augmentation of live market data feeds, end of day processing, or market making.

The prices are derived from the entire set of bids, offers, and trades available for an option series. As a result they are smooth across the series, arbitrage free, reflect the market, and fill in the gaps. It is an important benefit that the algorithm is model neutral and therefore works well on all kinds of asset classes.

dxPrice calculation engine provides arbitrage-free theoretical option prices calculation based on real-time or historical data.

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About Devexperts

Devexperts, was founded in 2002 and specializes in the development of highly complex software solutions and services for the Capital Markets industry. Our clients are retail and institutional brokers, exchanges and buy-side firms. Our products cover a wide array of applications, from on-line and desktop trading execution platforms, risk management and fix gateways, to one of the industry's most encompassing and sophisticated offer of real-time and historical data services.

Our development team is recognized as one of the world's best, having received in the past ten years more than 25 of the global software and financial industries most prestigious awards.

For our clients, Devexperts most important quality is its in-depth knowledge of the trading industry in its pre and post-trading components, and its 100% dedication to be at the forefront of technology evolution in that space.

Devexperts market expertise ranges from Equities, to Options, to FX and Derivatives in geographical locations as diverse as Chicago, New York, London, Moscow, Tokyo, Istanbul and Shanghai. We have over 350 employees and offices in North America, Europe and Asia.

The high performance, scalability and integration capabilities of our products and services, along with 24x7x365 monitoring and support, result in some of the global financial industry's most recognized and reliable technology applications – over 6 million people alone in the USA trade daily through the use of Devexperts technology.

Our core values of absolute integrity in all our relationships, of commitment to employee motivation and diversity, and of relentless dedication to the development of technological innovation have been decisive in ensuring the long lasting satisfaction of our clients worldwide.

Devexperts has three key business areas:

- Multi-asset, multi-market trading platforms and brokerage automation technology
- Large, complex software development projects
- Data products and services

Devexperts also provides consulting services for financial institutions in the fields of real-time transaction processing, trading automation, risk management and highly complex, enterprise wide “big-data” applications.

Thinkorswim/TD Ameritrade

Oct 31, 2001 the first online trading order was issued and executed. That was DAY1 of the US most successful online options trading platform ever created – thinkorswim – which later became #1 options broker (<https://www.tdameritrade.com/service/why-td-ameritrade/accolades.page>)

Trading platform became the key market differentiator and driving force behind the overall business success story. In 2009 the company was sold to TD Ameritrade (NYSE:AMTD) for as much as 606 million dollars. Today it is still in place and operation generating 30-50% of the entire revenue stream. TD Ameritrade capitalization is about 20B USD.

Since the inception until today Devexperts is solely responsible for development and maintenance of every piece of technology provided by thinkorswim – from back office tools to the trading frontends.

GFT/Gain Capital

Originally started in the USA (Grand Rapids, MI) in the early 2000 Global Forex Trading quickly became US Top3 forex broker. Its unique business model of having many local partners (introducing and omnibus brokers)

allowed him to implement successful global expansions having presence in Europe, Japan, Australia and Middle East. This in its turn allowed GFT staying in Top7 worldwide brokers with average monthly trading volume 200+B USD. It also had one of the biggest CFD (contract for difference) focused branches in London, UK (<http://www.gftuk.com/>) being one of the pioneers in this area.

In 2011-2012 US regulatory authorities (NFA & CFTC) issue several policies which resulted in shutting down forex brokerage business in the US. Then [Gain Capital](#) (NYSE:GCAP) decided to acquire GFT business for 100+M USD. This resulted in the overall GCAP capitalization of ~1B USD.

Since the inception of GFT until today in Gain Capital Devexperts is solely responsible for development and maintenance of every piece of technology provided by GFT. This includes integrations with 15+ liquidity providers (top tier banks including Deutsche Bank, Citi, etc.), over 120 white-labeled trading front-ends (localized in 20+ languages). GFT platform is also integrated with Dubai Gold & Commodities Exchange.

Tradable

In 2012 Devexperts has established a JV with one of the world leading liquidity provider in FX business – Danish company called [CFH Group](#) called [Tradable](#). Devexperts became the only technology partner in this JV providing its existing technology components as well as the software team to build a unique solution on top of it. The concept is similar to AppStore in trading – to create a front-end application where trader can download and install applications from 3rd party developers from the applications portal.

In 2012 Tradable won “[Most Innovative Financial Product](#)” and in 2014 won “[Best Mobile Platform](#)” from Forex Magnates Summit – the most prestigious event in the industry.

Devexperts is solely responsible for every piece of front-end and application portal technology as well as being IT vendor implementing complex integrations with big banks/brokers. Today Tradable has a sound [portfolio of big customers](#) including Monex (Japan), Gain Capital, IS Bank (#2 Bank in Turkey), etc.

Monex

[Monex Group](#) is one of the leading financial brokerage group in Japan. It has its own Forex trading subsidiary. In 2013 this subsidiary signed a contract with Tradable (on the level of the President of Monex Group) for becoming its customer. However, this project required heavy modifications on Tradable side as well as complex integration project to become a part of existing Monex environment. Devexperts has successfully implemented both items (one as a Technology Partner of Tradable, another – as IT vendor hired to accomplish this project). Successful result was achieved also thanks to Devexperts Japan local company which assisted in some organizational and local aspects.

LAC

[LAC Corporation](#) is a company providing Cyber Security services to a list of Japanese companies including several Government Ministries and Services. In 2012 Devexperts Japan (a local subsidiary of Devexperts) has signed a contract with LAC for providing solution to monitor availability in network, hardware, operation systems, virtual machines, applications and services in LAC’s own datacenter in Fukushima region (about 300 devices). Previously they used IBM Tivoli Monitoring solution for many years. Devexperts completed a project of installation, migration services and training local staff in a timely manner.

Moscow Exchange

In 2010 Devexperts has created and installed FIX and FAST gateways for RTS (Russian Trading System Exchange) – later merged with MICEX (Moscow Interbank Currency Exchange) to setup Moscow Exchange. RTS was the only place for derivatives trading (MICEX almost had no volumes in derivatives). Devexperts was responsible for development, maintenance, and enhancement of both gateways.



DEVEXPERTS