

Nasdaq Index Calculation System

Produce and distribute index products

In an interconnected, highly competitive world, marketplaces need unique ways to differentiate themselves amongst their peers. They need to identify opportunities that will help them to achieve greater visibility, attract new business and keep existing customers, and create new revenue streams for the organization.

In an era of constant change, creation of bespoke indexes can be a powerful means of diversification to drive marketplaces forward and help them move proactively from index consumers to index producers.

NASDAQ INDEX CALCULATION SYSTEM /

To help marketplaces further diversify their businesses beyond the trade, Nasdaq offers an Index Calculation System. The standalone solution provides marketplaces an easy-to-operate, in-house index calculation platform, enabling them to compute, operate and administer their own multi-asset, multi-currency indexes. These indexes can help marketplaces to differentiate their brands in the market and generate new sources of revenue by offering additional services and new tradeable asset classes. The system also provides the flexibility needed to define and create unique products while maintaining operational control and helping to secure IP and ownership over the marketplaces' indexes. Additionally, because calculations can be completed in-house, marketplaces can rapidly reduce time-to-market and introduce new products to market in an efficient, effective manner.

Highly customizable and built to handle any type of index or asset type, the solution's modular design supports efficient implementation of feed handlers, customer index types, calculation algorithms and reports, decreasing time-to-market for new index products. The solution also connects to Nasdaq's matching engines, MiQ data and analytics platform and other third-party systems, easing implementation challenges and connectivity concerns.

TWO WAYS NASDAQ CAN SUPPORT YOUR INDEX CALCULATION NEEDS /

Operated at, and maintained by the Exchange

Standalone Index Calculation System

For exchanges that want the flexibility and control to create, administer and deploy their own indexes on-the-fly, within the exchange

- Handlers for data input and output including native Genium INET support
- Local index calculation and dissemination
- Index administration tools, including restatement and back-testing tools, and all of the options included in the service offering
- Historical data storage
- As MiQ component or fully stand-alone

Operated at, and maintained by Nasdaq

Full Global Index Service Offering

For marketplaces that do not want or need full operational control, Nasdaq also offers a full index service, which includes in-bound data capture, index design and market data dissemination

- Index design
- Index development
- Index calculation
- Index administration, including restatement and back-testing
- Index licensing
- Historical data storage
- Data distribution

Benefits

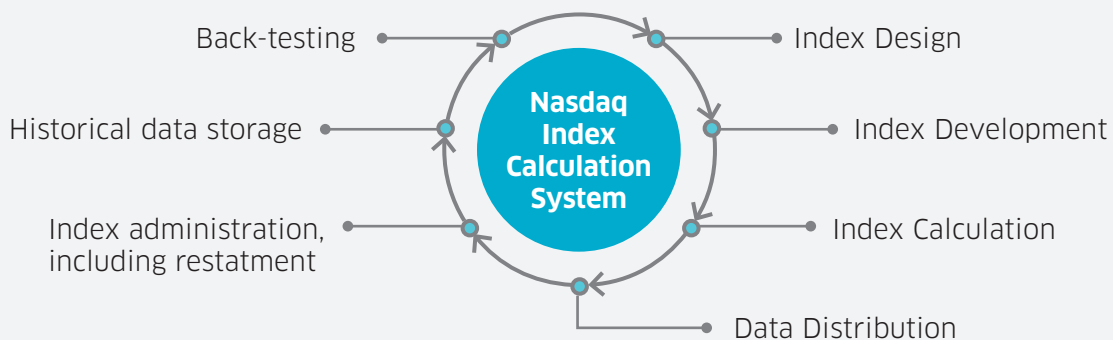
- Produce and distribute bespoke index product offerings, instead of just consuming other's indexes
- Create new revenue streams to deliver results to the marketplace's top line
- Broaden the product portfolio to bolster the brand and expand its reach
- Reduce the time-to-market in delivering innovative offerings to members
- Generate more stickiness among members by enabling them to use more products and services from the marketplace
- Future-proof your index offering: A flexible, multi-asset, multi-currency engine enables exchanges to create new offerings as their strategy changes and the market evolves

Features

- Multi-asset, multi-currency coverage
- Powerful index administration with management of calculation creation, supervision and maintenance
- Multiple input and output interface handling capabilities
- Historical database for historical reporting, restatements and back-testing
- Full suite of index reports including predictive reporting, to calculate adjusted index values prior to actual re-calculation
- High availability, resiliency and operational security

Nasdaq launched its first index, the Nasdaq Composite, in 1971 and today the offering spans geographies and asset classes with more than 41,000 indexes, and over \$1 trillion in assets that track the Nasdaq indices.

SUPPORTING THE FULL INDEX LIFE CYCLE



Contact Us

Email: MarketTech@nasdaq.com

[BUSINESS.NASDAQ.COM/TECH](https://business.nasdaq.com/tech)