

MSCI Developer Community

MSCI APIs for powering better investment decisions

Clients are increasingly looking to integrate and consolidate data into internal systems and data warehouses to better support their investment process. **MSCI Developer Community** offers a cohesive, intuitive platform for accessing MSCI's APIs that support scalable, low-cost development of investment solutions, easy customization and innovation.

MSCI Developer Community is a **searchable directory of MSCI's APIs**. It's designed to power better investing by putting our APIs into the hands of developers, data scientists and quantitative managers quickly to help speed their work, serve clients better, and go to market sooner.

What is an API?

- > Application Programming Interface
- > A method for software applications to communicate
- > Enables programmatic retrieval of information directly from MSCI

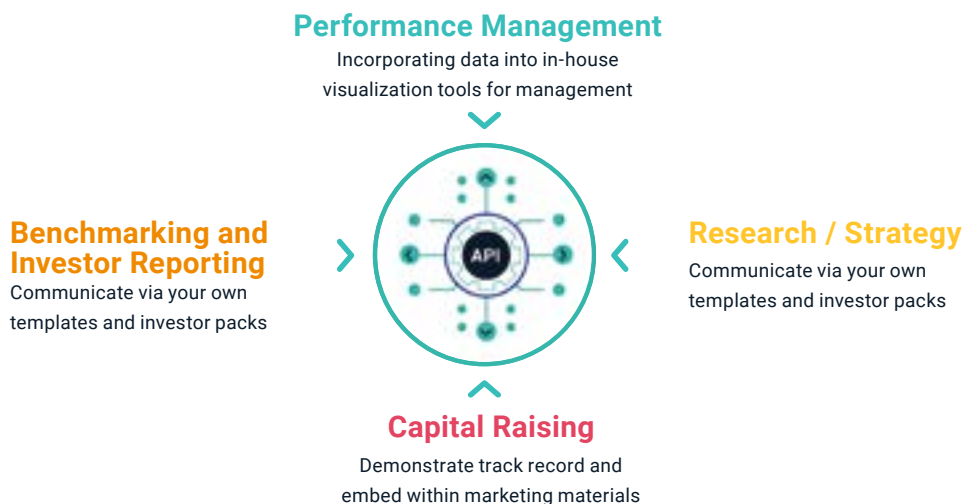
Why MSCI APIs?

MSCI APIs give clients greater control and flexibility in integrating MSCI data and application logic into their investment process and helps them save time, resources and increase operational efficiency.

Key features

- Search for APIs across specification, documentation, description and tags
- See API definitions with ability to view schema and sample values
- MSCI Users can request for API Keys and try out APIs based on entitlements
- Explore real-world application of APIs and pre-built use cases for various industry solutions
- Access the apps in MSCI labs and leverage the downloadable code snippets to improve collaboration and jump-start projects
- View APIs based on REST and SOAP from the same portal

MSCI APIs support clients across the investment process



developer.msci.com

MSCI API benefits to client

1

Integration

MSCI data can be directly delivered via API Gateway to client applications, bypassing the manual steps to obtain and transfer data between platforms.

MSCI APIs also help developers to integrate their own offerings with APIs to enable value-added resources and scaling up their products.



2

Efficiency

Content generated can be published automatically, speeding up time-to-market.

Save time on report checking and testing with always up to date data.

MSCI APIs help clients to deliver products faster thus making money, time and resources available for other important business projects.



3

Personalization

Users can customize the frequently used content and services, reducing any repeat data processes to a single initial set-up.

Users can also do [API Orchestration](#) across all MSCI APIs to build new & custom digital experiences and solutions for their own clients.



4

Flexibility

APIs help to anticipate the changes over time and better support data migration and make service provision more flexible.

MSCI APIs allows developers examine and work on individual components of an app without affecting the others—avoiding the cumbersome point-to-point integration of apps.



5

Risk Reduction

Data pull, transfer and integration is automated meaning there is a significant reduction in manual error, and all parties can be confident they are looking at consistent and most updated data.

Developer Community: API Content Available

MSCI App	API	
Analytics	<p>Factor Lab: Provides seamless access to our latest research-enhanced factor data sets available outside of our factor risk models, for use cases ranging from alpha research to building custom risk factors.</p>	<p>Peer Similarity Score: Quantifies the similarity between asset pairs using business descriptions, fundamentals, historical returns, news and ESG key issue weights data.</p>
	<p>Factor Crowding: Measures the relative degree of crowdedness in factor strategies.</p>	<p>Security Crowding: Measures the degree to which a stock is or has been chased by investors. It provides easy-to-interpret standardized scores that can be used to help identify exposure to crowding.</p>
	<p>Factor Analytics: Enables clients to access factor model data and analytics for research, portfolio construction and risk management use cases. Clients can access Equity, Fixed Income and Multi-Asset Class factor models.</p>	<p>Single Security Analyzer: Provides a simple way to access securities and single security analytics computed by RiskManager/RiskServer in a way that is compatible with the configuration specified by any individual client.</p>
	<p>Risk Analysis (SOAP): Seamlessly integrate MSCI RiskManager/RiskServer hosted best-of-breed data and risk analysis directly into your applications, data warehouses, spreadsheets, databases, and workflows.</p>	<p>BarraOne Developer's Toolkit (BDT): Using a web service API, BarraOne Developer's Toolkit enables IT programmers and developers to develop batch processes to leverage the features available in BarraOne.</p>
Index	<p>BarraOne Developer's Toolkit Interactive (BDTi): Web Service API that provides client developers granular access to BarraOne analytics.</p>	
	<p>Constituent: This API returns Index constituents for a specified MSCI index code or a set of MSCI index codes. It is particularly useful to users who do not want to reconstruct constituents of MSCI indexes from their underlying security level data, eliminating the need for legacy flag processing logic.</p>	<p>Events: This API returns Corporate Events Data points like Price Adjustment Factor, Old & New Number of Shares, and other key attributes.</p>
	<p>Performance: This API returns Index Levels, Performance (Returns), and other key attributes for a specified MSCI index code or a set of MSCI index codes. This API can retrieve Levels, Performance, and Market Capitalization for all supported Index Variants & Currencies for the specified indexes.</p>	<p>Dividends: This API returns Dividend Data points like Declared Dividend Amount, Net & Gross Dividend Amount.</p>
ESG	<p>Security Master: API returns security details for all securities that the caller is entitled to receive from MSCI. This security master contains all security level data points for a given date.</p>	<p>FX Rates: API returns Foreign Exchange (FX) rates used in the calculation of MSCI Indexes. Spot FX Rates are also provided in the PRICE_NOS data set of secmaster/security API.</p>
	<p>Data: The ESG Data API provides a way for a client to retrieve current day and historical ESG data for all issuers and data points that the requesting user is entitled to receive. The ESG Data API provides access to over 4,000 ESG data points, including ratings and raw data.</p>	<p>Reports: The ESG Report API is used to provide clients with a means to access ESG documents and reports for companies, funds, industries, and more. Reports are available as PDF documents and many reports are also available in HTML.</p>
Real Estate	<p>Reporting: Access computed results from MSCI's global private investment real estate database of property fund indexes, property indexes, real estate portfolio performance benchmarks, and real estate portfolio performance & risk across the complete set of analytical models, measures, and themes.</p>	<p>Submission: The MSCI Real Estate Data Upload API provides a secure and automated interface to upload private real estate portfolio data to My Data Manager.</p>



ESG Data API

4,000+

ESG data points, including ratings and raw data



Index API

Extensive Data for

400,000+

indexes



Real Estate Performance & Risk Data API

Aggregated private real estate market data on

20+

property fund indexes

40+

property indexes covering **32** countries

370+

cities

60,000+

properties

\$2 trillion+

in AUM



FactorLab and Security Crowding API

160+

factor descriptors across

75,000+

securities currently available covering

87

with a deep history of up to 23 years

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About MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 50 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process.

To learn more, please visit www.msci.com.

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