BondEdge Application Programming Interface (API)

with an add-in program for use with Microsoft® Excel® that includes ready-to-use sample templates

We are pleased to introduce an API capability designed to significantly broaden access to robust BondEdge® fixed income analytics in support of enterprise-wide portfolio risk management activities. For nearly thirty years, BondEdge has provided quality, sophisticated portfolio and security level analytics to the institutional investment community. Now, BondEdge clients can write their own software applications to communicate with the BondEdge calculations library, allowing them to directly access security measures or populate internal databases with this information. For example, clients can write add-in programs to import BondEdge analytics into Microsoft Office products such as Excel®. The API capability can allow clients to quickly and seamlessly analyze potential trade opportunities in detail via bond swap analysis functionality and measure the overall portfolio effect of “buy and sell” bond trade programs with a portfolio level “what-if” capability.

Key Benefits
- Increase efficiency with direct access to BondEdge security analytical measures, return simulations and static cash flows.
- Streamline access to key BondEdge investment decision support functionality, including bond swap and portfolio “what-if” analysis.
- Enables clients to mitigate operational risk by developing links from third-party applications to BondEdge risk analytics.

Key Features
- Instant access to add-in program for Microsoft Excel containing sample, pre-formatted templates that are ready to use.

Direct access to robust BondEdge security measures, including effective duration, convexity, option-adjusted spread (OAS) and many more.
- Scenario-based total return simulations and security analytic measures.
- Static Cash Flows.
- Direct links into the BondEdge platform for seamless access to bond swap and portfolio “what-if” functionality.
- Bundled in at no additional cost with BondEdge Next Generation.

Retrieve security-level analytics for a given range of cells quickly and easily.
Project total, price, and income returns for securities given parallel shifts to the government, swap, or municipal curve. Scenario specific analytic measures can also be retrieved.

**Bond-Level Measures:**

**Inputs**
- Security Identifier (CUSIP, SEDOL, ISIN, Common Code, Pool Number)
- Security Price/Yield/OAS (optional – if not provided will default to the date on which the client last refreshed the BondEdge system)
- As Of Date (optional – if not provided will default to the date on which the client last refreshed the BondEdge system)
- Initial Yield Curve Inputs – Government, Swap, Municipal (optional – if not provided will default to BondEdge database yield curve for the date on which the client last refreshed the BondEdge system)
- Prepayment Speed Inputs (optional – if not provided will default to the BondEdge Prepay Speed for the date on which the client last refreshed the BondEdge system)
- RMBS/CMBS Credit Trigger Inputs (optional)
- RMBS/CMBS Loss/Default Assumptions (optional)

**Analytical Output**
- Effective duration
- Convexity
- Option-adjusted spread
- Accrued interest
- Asset Swap Spread
- Average life
- CPR (Lifetime)
- Current yield
- Duration to worst
- DV01
- Key Rate durations
- Local duration
- Macaulay duration

**Scenario-Based Total Return Simulations and Analytic Measures**
- Parallel and non-parallel shifts to the government, swap or municipal curve
- Credit spread shift analysis

**Bond-Level Static Cash Flows**
- Principal, interest and total cash flow projections
- Frequency: daily, weekly, monthly, quarterly or annual

**Trade Analysis**
- Bond Swap
- Portfolio “What-If”

Retrieval of projected security cash flows on a static basis for periodicities ranging from daily to annual.
Quickly input buy and sell lists to generate key summary measures and relative value of the proposed trade.

Identify the effects of proposed trades on portfolio averages and totals.

Identify at a glance portfolio distributions for a variety of specified risk measures including effective duration, quality, sector and more.

For more information or user documentation, please contact your Interactive Data Fixed Income Analytics Representative in Santa Monica at (310) 479-9715 or in New York at (212) 771-6771.
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For more about Interactive Data and its businesses, please visit www.interactivedata.com.

Interactive Data’s Fixed Income Analytics business is a leading provider of fixed income portfolio analytics to the investment community with decades of expertise. Its client base includes more than 400 leading banks, investment managers, brokerage firms, insurance companies and pension funds throughout North America and Europe. This business is known for its flagship product, BondEdge®, which allows customers to identify opportunities and analyze portfolio risk using robust modeling techniques. Interactive Data also provides direct access to sophisticated risk measures for a wide universe of fixed income securities via its analytical datafeed service.

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