Interactive Data

BondEdge

MORE INFO

BondEdge® is an analytics platform that provides robust reporting across a range of asset classes giving the user the ability to analyze holdings, distributions, and performance of both fixed income portfolios as well as multi-asset class portfolios.

BondEdge, built on the Microsoft®.NET Framework, is backed by market-leading fixed income single security, portfolio level and cash flow analytics that are supported by more than 30 years of expertise and a team of Ph.D.'s and quantitative analysts. BondEdge is available to customers as an on-site software installation or through an OnDemand Software as a Service (SaaS) option. Robust analytics are bundled together with security master data that provides comprehensive security coverage for approximately 2.8 million domestic and international fixed income securities, including a structured finance library of more than 16,000 U.S. deals. BondEdge also has a multi-asset class coverage including the following asset types: Common Stock, ADR/GDR, MLP, REIT ETF, Options on Equity and Indices, Index Futures and Commodity Futures.

Gain valuable insight into the current risk characteristics of the portfolios you upload into BondEdge by running extensive, presentation-quality reports including compliance reporting, benchmark comparisons against more than 400 fixed income global indices from leading benchmark providers, including S&P® Dow Jones® Indices, Barclays Capital®, Bank of America Merrill Lynch®, Citigroup®, and equity indices from S&P®, Russell®, MSCI® and others. BondEdge can help you project risk characteristics, and calculate total returns via stress testing. BondEdge also contains What-If reporting tools, historical performance attribution analysis, dynamic cash flow projections, and ready to use templates that can assist you with reporting, including rating-agency based reporting.

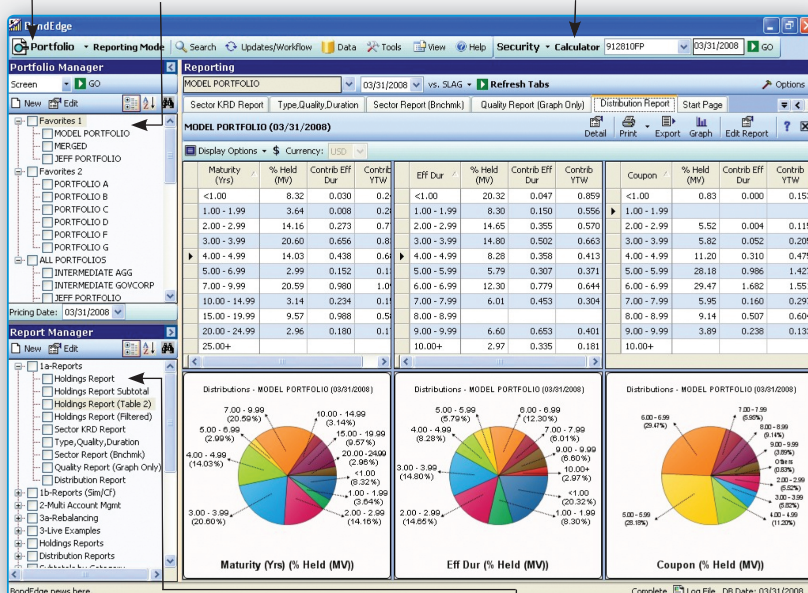
BONDEDGE IS DESIGNED FOR:

Buy-Side

- Total Return and Liability Driven Investment Management Companies
- Mutual Funds and ETF Managers
- Insurance Companies
- Depository Institutions
- Endowments, Foundations and Sovereign Wealth Funds
- Pension Funds
- Investment and Actuarial Consultants
- Private Wealth Managers

Sell-Side

- Broker-Dealers
- Money Center and Regional Banks
- Regional Broker-Dealers



BondEdge User Interface

INTERACTIVE DATA BondEdge SOLUTIONS

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BONDEDGE KEY FEATURES:

Extensive Security Coverage, Including Structured Finance Library

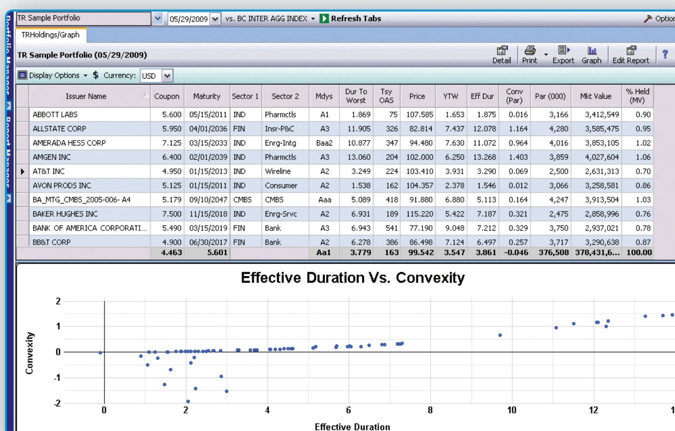
- Comprehensive fixed income security database, including treasuries, agencies, corporates, fixed and adjustable mortgage-backed pools, agency and non-agency RMBS, asset backed securities, CMBS, preferred stock and municipal securities, including 16,000 U.S. structured deals
- Fixed income derivatives coverage, including interest rate futures, interest rate and credit default swaps, caps/floors, OTC options
- Equity coverage includes Common Stock, ADR/GDR, Master Limited Partnerships (MLPs), REIT, ETF, derivatives coverage includes option on Equity and Indices, Index Futures and Commodity Futures
- Flexible bond modeling tools for bonds not included in the BondEdge database and private placements

ROBUST ANALYTICAL AND CASH FLOW MODELS

- Arbitrage-free Multi Factor and Single Factor Interest Rate Term Structure Model
- Structured Finance Cash Flow Engine
- Mortgage-backed Prepayment Modeling with Monte Carlo-based analytics
- Bond option Model with implicit finite difference method
- Credit Loss Modeling for Structured Finance Securities, including Updated Trigger Status Setting
- Fundamental data and asset sector classification for equity securities

COMPREHENSIVE SET OF SECURITY AND PORTFOLIO-BASED OPTION-ADJUSTED RISK MEASURES, INCLUDING:

- Effective Duration and Convexity (par or spot curve)
- Option Adjusted Spread (government or swap curve)
- Key Rate Durations, Spread Duration, Volatility Duration, Prepayment Duration



Issuer Name	Coupon	Maturity	Sector 1	Sector 2	Mdys	Dur To Worst	Tsy OAS	Price	YTW	Eff Dur	Conv (Par)	Par (000)	Mkt Value	% Held (MV)
ABBOTT LABS	5.600	05/15/2011	IND	Pharmctls	A1	1.869	75	107.585	1.653	1.875	0.016	3,166	3,412,549	0.90
ALLSTATE CORP	5.950	04/01/2036	FIN	Insr-P&C	A3	11.905	326	82.814	7.437	12.078	1.164	4,280	3,585,475	0.95
AMERADA HESS CORP	7.125	03/15/2033	IND	Enrg-Intg	Baa2	10.877	347	94.480	7.630	11.072	0.964	4,016	3,853,105	1.02
AMGEN INC	6.400	02/01/2039	IND	Pharmctls	A3	13.060	204	102.000	6.250	13.268	1.403	3,859	4,027,604	1.06
AT&T INC	4.950	01/15/2013	IND	Wireline	A2	3.249	224	103.410	3.931	3.290	0.069	2,500	2,631,313	0.70
AVON PRODS INC	5.125	01/15/2011	IND	Consumer	A2	1.538	162	104.357	2.378	1.546	0.012	3,066	3,258,581	0.86
BA_MTG_CMBS_2005-006- A4	5.179	09/10/2047	CMBS	CMBS	Aaa	5.089	418	91.880	6.880	5.113	0.164	4,247	3,913,504	1.03
BAKER HUGHES INC	7.500	11/15/2018	IND	Enrg-Srvc	A2	6.931	189	115.220	5.422	7.187	0.321	2,475	2,858,996	0.76
BANK OF AMERICA CORPORATI...	5.490	03/15/2019	FIN	Bank	A3	6.943	541	77.190	9.048	7.212	0.329	3,750	2,937,021	0.78
BB&T CORP	4.900	06/30/2017	FIN	Bank	A2	6.278	386	86.498	7.124	6.497	0.257	3,717	3,290,638	0.87
	4.463	**5.601**			**Aa1**	**3.779**	**163**	**99.542**	**3.547**	**3.861**	**-0.046**	**376,508**	**378,431,6...**	**100.00**

Example of Portfolio Holdings Risk Measures in Report and Graph Format

FLEXIBLE PORTFOLIO REPORTS, GRAPHICS AND SCANS/ALERTS

- Intuitive user-interface for quick and easy system navigation
- Centralized reporting engine that allows clients to create and customize reports
- Automated report and graphics production and export
- Automated portfolio upload process from leading accounting systems and Microsoft Excel®
- Portfolio Scan and Filter tools to quickly create portfolio segments to be included in reports, stress testing and cash flow analysis
- Portfolio Alerts to easily identify securities with ratings upgrades, downgrades and revisions to watch status
- Multiple and single portfolio and report analysis supported

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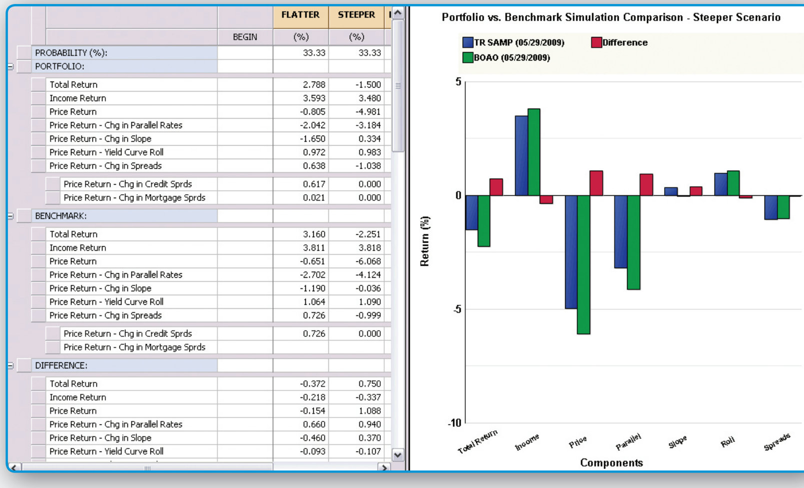
STRESS TESTING TOOLS

BondEdge provides capabilities for the generation of simulated and book values based upon shifts to the government or interest rate swap curve and credit spreads. Robust term structure, option and prepayment models are used to compute horizon security, portfolio and benchmark values.

- Parallel/non-parallel interest rate shifts
- Credit spread shifts for sectors/ industries/issuers
- Credit spread shifts by underlying collateral/tranche types
- Comparison to liability benchmark supported



	BEGIN	FLATTER (%)	STEEPER (%)
PROBABILITY (%):		33.33	33.33
PORTFOLIO:			
Total Return		2.788	-1.500
Income Return		3.593	3.480
Price Return		-0.805	-4.981
Price Return - Chg in Parallel Rates		-2.042	-3.184
Price Return - Chg in Slope		-1.650	0.334
Price Return - Yield Curve Roll		0.972	0.983
Price Return - Chg in Spreads		0.638	-1.038
Price Return - Chg in Credit Sprds		0.617	0.000
Price Return - Chg in Mortgage Sprds		0.021	0.000
BENCHMARK:			
Total Return		3.160	-2.251
Income Return		3.811	3.818
Price Return		-0.651	-6.068
Price Return - Chg in Parallel Rates		-2.702	-4.124
Price Return - Chg in Slope		-1.190	-0.036
Price Return - Yield Curve Roll		1.064	1.090
Price Return - Chg in Spreads		0.726	-0.999
Price Return - Chg in Credit Sprds		0.726	0.000
Price Return - Chg in Mortgage Sprds			
DIFFERENCE:			
Total Return		-0.372	0.750
Income Return		-0.218	-0.337
Price Return		-0.154	1.088
Price Return - Chg in Parallel Rates		0.660	0.940
Price Return - Chg in Slope		-0.460	0.370
Price Return - Yield Curve Roll		-0.093	-0.107

Example of Multi-Scenario Analysis for Portfolio vs. Benchmark

PORTFOLIO "WHAT-IF" FOR PRE-TRADE ANALYSIS

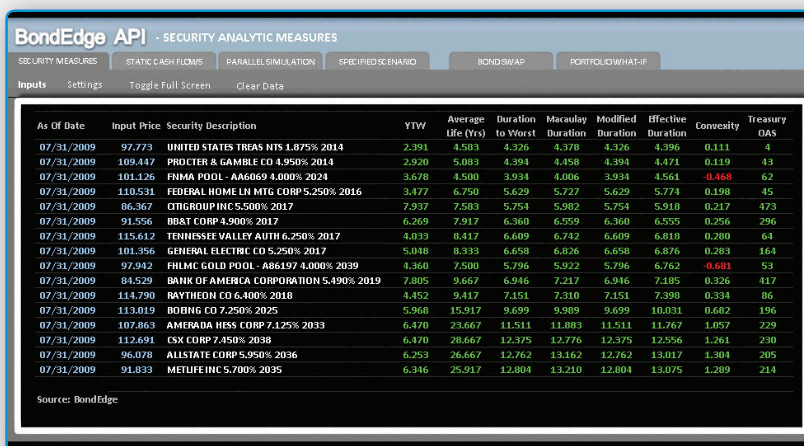
BondEdge provides tools that can help you simulate the effects of trades you consider on single or multiple portfolios on either a market value or book value basis, including before/after portfolio risk characteristics and distribution analysis.

BONDEDGE API

BondEdge includes an analytical measures and trade analysis application programming interface (API) designed to provide clients with seamless access to:

- Security-level derived analytical measures
- Static Cash Flows
- Stressed Measures – parallel/specified scenario simulations
- Bond Swap Analysis
- Portfolio "What-If" Analysis

The BondEdge API also allows clients to access the BondEdge calculation engine from in-house and third party programs and includes an add-in program and sample templates that provide ready access to the BondEdge API from within Microsoft Excel.



As Of Date	Input Price	Security Description	YTW	Average Life (Yrs)	Duration to Worst	Macaulay Duration	Modified Duration	Effective Duration	Convexity	Treasury OAS
07/31/2009	97.773	UNITED STATES TREAS NTS 1.875% 2014	2.391	4.583	4.326	4.378	4.326	4.396	0.111	4
07/31/2009	109.447	PROCTER & GAMBLE CO 4.950% 2014	2.920	5.083	4.394	4.458	4.394	4.471	0.119	43
07/31/2009	101.126	FNMA POOL - AA6069 4.000% 2024	3.678	4.500	3.934	4.006	3.934	4.561	-0.468	62
07/31/2009	110.531	FEDERAL HOME LN MTG CORP 5.250% 2016	3.477	6.750	5.629	5.727	5.629	5.774	0.198	45
07/31/2009	86.367	CITIGROUP INC 5.500% 2017	7.937	7.583	5.754	5.982	5.754	5.918	0.217	473
07/31/2009	91.556	BB&T CORP 4.900% 2017	6.269	7.917	6.360	6.559	6.360	6.555	0.256	296
07/31/2009	115.612	TENNESSEE VALLEY AUTH 6.250% 2017	4.033	8.417	6.609	6.742	6.609	6.818	0.280	64
07/31/2009	101.356	GENERAL ELECTRIC CO 5.250% 2017	5.048	8.333	6.658	6.826	6.658	6.876	0.283	164
07/31/2009	97.942	FHLMC GOLD POOL - A86197 4.000% 2039	4.360	7.500	5.796	5.922	5.796	6.762	-0.681	53
07/31/2009	84.529	BANK OF AMERICA CORPORATION 5.490% 2019	7.805	9.667	6.946	7.217	6.946	7.185	0.326	417
07/31/2009	114.790	RAYTHEON CO 6.400% 2018	4.452	9.417	7.151	7.310	7.151	7.398	0.334	86
07/31/2009	113.019	BOEING CO 7.250% 2025	5.968	15.917	9.699	9.989	9.699	10.031	0.682	196
07/31/2009	107.863	AMERADA HESS CORP 7.125% 2033	6.470	23.667	11.511	11.883	11.511	11.767	1.057	229
07/31/2009	112.691	CSX CORP 7.450% 2038	6.470	28.667	12.375	12.776	12.375	12.556	1.261	230
07/31/2009	96.078	ALLSTATE CORP 5.950% 2036	6.253	26.667	12.762	13.162	12.762	13.017	1.304	205
07/31/2009	91.833	METLIFE INC 5.700% 2035	6.346	25.917	12.804	13.210	12.804	13.075	1.289	214

Source: BondEdge

Retrieve Security-Level Analytics for a Given Range of Cells Quickly and Easily

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"WHAT-IF" CAPABILITIES FOR MULTIPLE PORTFOLIOS

For pre-trade analysis across multiple portfolios, information you upload into the "What-if" functionality in BondEdge can help you:

- Keep track of all securities bought and sold, including total par value (net buys/sells across all accounts); access the list again later in further or different analysis.
- Use the trade simulation screen in What-if to view cash available in each portfolio as well as the cash identifier designated for trades in that account.
- View current par value held in each portfolio for every security in the Securities List, alongside par amount to be bought/sold – enter this amount manually or use BondEdge to calculate the approximate amount according to any of the following attributes: Current Par, Buy/Sell, % of Market Value, Duration Change, Contribution to Duration, Pro Rata or % of Trade.
- Simulate the % of Portfolio Market Value the security would represent after the execution of a trade based on your choice of a Duration Change or a Contribution to Duration calculation.
- Quickly view "Before & After" simulation showing the anticipated net impact of all trades you consider on your portfolios, including Yield, Effective Duration and Convexity of each portfolio, before and after you actually trade.
- Generate additional, more detailed, Portfolio Summary, Distribution and Simulation reports to aid in your pre-trade analysis.

From automated identification and thorough analysis of portfolios you want to rebalance, to an effective and easy-to-use tool that helps facilitate your decision-making process, Policy Reporting and Batch "What-if" capabilities in BondEdge are an integral tool for today's portfolio manager.

For more information, please contact BondEdge Solutions at
be.info@interactivedata.com or **call (310) 479-9715**

ABOUT BONDEDGE SOLUTIONS

BondEdge Solutions, an Interactive Data company, provides high-quality cross-asset portfolio management and risk analytics solutions backed by proprietary quantitative modeling techniques to more than 400 leading banks, investment managers, brokerage firms, insurance companies and pension funds throughout North America. Its flagship offering, BondEdge, combines advanced analytics with security master data that provides comprehensive coverage for approximately 2.8 million domestic and international fixed income and equity issues, including a structured finance library of more than 16,000 U.S. structured deals.

For more information about BondEdge, please visit **www.bondedge.com**

BondEdge was named among a "Best-in-Class" solution in CEB TowerGroup's 2013 Portfolio Modeling and Risk Analytics Technology Assessment.

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