**Key Benefits**

» **Model the Risk of Multi-Asset Class Investments in One System**—Analyze the common factor risk of equity, fixed income, derivative, commodity, hedge fund, mutual fund, and REIT strategies in one system.

» **View Multiple Measures of Risk**—No one approach provides a complete view of risk. Measure multi-factor risk and tracking error, simulate Historical and Monte Carlo Value at Risk, stress test portfolios, and compute traditional portfolio analytics.

» **Monitor Total Plan Assets**—Decompose risk by total plan, portfolio, asset class, region, sector, passive/active, or individually defined custom classifications.

» **Analyze Manager Risk**—Understand if managers have allocated risk in the areas in which they have expertise and whether the risk decomposition is in line with the manager’s stated style (e.g., focus on stock selection, value/growth tilt, etc.).

» **Rebalance and Select Managers**—View the impact of adding new managers on the risk of the sub-asset class, asset class, or total fund using forward-looking correlation analysis and efficient frontier optimization.

» **Perform Asset Allocation**—Monitor the risk of your asset allocation to ensure alignment with your return expectations. Make more informed asset and manager allocation decisions by using tools such as stress testing, efficient frontier optimizations, and ‘what-if’ analysis to build scenarios and assess your risk and return trade-offs.

» **Lower Operating Costs**—Minimize operating costs, technology challenges, and support requirements by using BarraOne’s browser-based technology.

» **Focus on the Analysis, Not the Data**—No system data to download or manage. Equities, bonds, ETFs, mutual funds, bond and equity index futures, prices, and global market conditions are delivered and updated daily.

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Access BarraOne from any computer via a secure session using Microsoft Internet Explorer.
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1 As of March 31, 2013, as reported on July 31, 2013 by eVestment, Lipper and Bloomberg.

BarraOne Tools & Features

» Automated User Data Loading & Reporting—Automate the import of portfolio holdings and export of custom reports for hands-free, straight-through processing. Allow authorized affiliated custodians or prime brokers to send data directly to your BarraOne account using Barra PartnerLink.

» Account Management—Control user access to portfolio holdings and other sensitive data using customizable user permissioning.

» Stress Testing—Access predefined historical scenarios or create customized market shocks to test asset and portfolio response under market dislocations.

» Multiple Portfolio Comparison—Analyze the correlations between funds or portfolio managers to gain insight into the diversification effects of each component or manager. Highlight style drift and amount of beta exposure.

BarraOne Technology

» Ease of Access—Access BarraOne from any computer via a secure session using Microsoft Internet Explorer. Minimize operating costs, technology challenges, and support requirements.

» Data Management—System supplied data loading and management is handled automatically by BarraOne. There is no need to spend time managing data updates.

» Availability—BarraOne’s robust multi-tiered architecture is designed for high availability. Built-in system redundancies help prevent service disruptions and optimize system performance.

» Security—BarraOne is accessed from your browser using encrypted, password-protected connections that provide private and secure sessions. BarraOne uses advanced technologies to provide application, physical, and network security.

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About MSCI

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