PORTFOLIO & RISK ANALYTICS

A Bloomberg Professional Service Offering

.

Bloomberg

13 ONE SOURCE

10 EASILY CREATE YOUR DESIRED PORTFOLIO

08 UNDERSTAND YOUR PORTFOLIO'S RISK STRUCTURE

06 SEAMLESS ANALYSIS

04 UNDERSTAND AND DRIVE PERFORMANCE

03 TOTAL INTEGRATION

02 INTRODUCING BLOOMBERG PORTFOLIO & RISK ANALYTICS

12 TURN DESKTOP PORTFOLIO ANALYTICS INTO FIRM-WIDE SOLUTIONS

CONTENTS

TAKE CONTROL OF THE ANALYTICS, DATA AND NEWS HAT IMPACT YOUR PORTFOLIO

Bloomberg's Portfolio & Risk Analytics solution helps portfolio managers achieve their objectives by providing unmatched transparency into their portfolio's performance, characteristics, risk and more. From one location, a series of powerful, integrated equity and fixed income tools deliver consistent insight, enabling you to create and execute differentiating investment strategies.

INTRODUCING BLOOMBERG PORTFOLIO & RISK ANALYTICS

PORT <GO> – POWERING YOUR PORTFOLIO MANAGEMENT & RISK STRATEGIES

As a Portfolio Manager, your performance depends on various factors. You must manage and anticipate changes in complex markets every day, plan for every possibility and execute accordingly. You also need a flexible plan for responding to economic, financial and political changes. The challenges have never been greater.

Bloomberg's Portfolio & Risk Analytics solution for investment professionals empowers you with the tools required to successfully implement optimal portfolio and targeted-risk strategies. Our platform will help you make quicker, more informed decisions and enable you to measure market-related and security-specific risk exposures for your portfolios. At Bloomberg, we are committed to continuously adding greater clarity to your investment decision making and to ensuring that you feel completely confident in these critical decisions. Our Portfolio & Risk Analytics solution is fully integrated with the Bloomberg Professional[®] service—at no additional fee—providing unparalleled access to the broad range of sophisticated tools required by today's asset managers.





CUSTOMIZE YOUR PORTFOLIO WORKFLOW FOR ULTIMATE CONTROL

Our user-friendly and intuitive Portfolio & Risk Analytics solution is fully customizable and integrates your portfolio holdings with performance and risk analytics, as well as with Bloomberg's comprehensive market and security data, to streamline your workflow. Everything you need, including flexible charting and news indicators, is one click away in PORT <GO>.

SEE THE BIG PICTURE FOR THE BROADEST CONTEXT

Start with your current portfolio holdings or load historical data to understand your portfolio's historical performance versus your benchmark. From performance and performance attribution to portfolio characteristics and risk, PORT <GO> provides you with a vast array of choices—past, present and future—with which to analyze and measure your portfolios.

PAVE THE WAY FOR FIRM-WIDE TRANSPARENCY AND CONTROL

As part of the premium offering, implement Bloomberg's Portfolio & Risk Analytics capabilities across your entire firm for a holistic view of your organization's global investment activities. Your senior management team—from Risk Managers to the Chief Investment Officer—can obtain unparalleled insight and transparency into the firm's investments, resulting in a new and complete level of confidence and protection for your organization.



Experience the power of the Bloomberg Professional service anytime and anywhere on your Blackberry,[®] iPhone,[®] iPad[®] or other mobile device with Bloomberg AnywhereSM.

This suite of tools for fixed-income and equity portfolios gives you the ability to transform Bloomberg's data and analytics into a powerful tool for monitoring, measuring and driving performance. Our Portfolio & Risk Analytics platform features a series of clearly labeled tabs, each corresponding to a distinct function.

	SPX Ind O Pric			ICS Sect	tors 💌	in <mark>USD</mark>						
Name	#	.00 1111	% Wgt			Tot Rtn			CTR		Price	Px Ch
	Port	Port	Bmrk	+/-	Port↑	Bmrk	+/-	Port	Bmrk	+/-	Port	Por
STRATEGIC GROWTH	62	100.00	100.00	0.00	-94.13	-95.76	1.63	-94.13	-95.76	1.63		
🗉 Cash		4.51	0.00	4.51	0.00	0.00	0.00	0.00	0.00	0.00		
Consumer Staples		10.32		-0.48								
Consumer Discretionary		14.01	11.86	2.15	-66.59	-108.13	41.55	-9.30	-12.84	3.54		
Health Care		13.16	12.76	0.40								
Information Technology	13	15.73	17.84	-2.11	-96.59	-118.59	22.00	-15.20	-21.21	6.01		
HEWLETT-PACKARD CO (d)		0.77	0.28	0.48							21.22	
APPLE INC (d)												
KLA-TENCOR CORPORATION		0.00	0.06	-0.06	0.00			0.00			55.47	
TERADYNE INC (d)		0.00	0.02	-0.02	0.00	-242.66	242.66	0.00	-0.05	0.05	17.29	-2.43
TEXAS INSTRUMENTS INC (d)			0.27	-0.27								
FIDELITY NATIONAL INFOR		0.00	0.09	-0.09	0.00		48.58	0.00		0.04	45.07	
COGNIZANT TECH SOLUTIO			0.13	-0.13							64.80	
VISA INC-CLASS A SHARES		0.00	0.63	-0.63	0.00		56.73	0.00		0.36	180.52	
AUTOMATIC DATA PROCESS		0.00	0.23	-0.23	0.00			0.00			70.17	
d Contribution to Return (+/-)		v									
STRATEGIC GROWTH 1.522												
						Mm Jun	<u>.</u>				mr.	my
			no have	WWW The second		م الم	<u></u>			يتر ور ال	<i>w</i>	
	×~	an we we	w Y	1 N N	man	_			n M	~		
· · · · · · · · · · · · · · · · · · ·	All march	we a					m.	and and	ww			



REAL-TIME MONITORING

- » Custom views enable you to dissect and display portfolio information in multiple formats, including tables, historical charts and heat maps
- » Track intraday performance on an absolute basis or relative to a benchmark, including those tracking ETFs and public funds
- » Monitor individual slices of your portfolio by industry sector, geography, market capitalization or any of the many customizable options
- » Assign an index or custom benchmark to identify relative allocation and performance differences



PORT <GO> – Performance tab Seamlessly transition to performance to see how your portfolio has performed over time

HISTORICAL PERFORMANCE ANALYSIS

- » Identify the sectors or holdings that have exhibited the best risk/return trade-off and how this performance compares with your portfolio's benchmark
- » Analyze your portfolio from a specific date or particular time periods such as one day, one month and YTD
- » Examine standard deviation, beta, realized tracking error and dozens of other commonly used risk/return measures
- » Gain insight into the drivers of historical risk and performance

11) View -	12) Action:	s • 13) S	ettings	; •	14) Tra	de Sim	ulation	•	99) Fee	dback		Portfolio	& Risk	Analytics
Characteris	tics Holding	gs Tracl	king Erro	r VaR	l Sc	enarios	Perfo	ormano	e Att	ribution	\$-			
Main View	Attribution Su	immary C	urve Re	urn										
Port GOV	CREDIT PO	vs INV GR/	ADE INC	🔹 by <mark>M</mark>	larket !	Sector 🔹	in <mark>U</mark>	SD 💌		Prior 💽			· - 03	
Model Exce	ss Rtn % Mkt	Unit Bas	is Point	s Curve	e Swa	ар	FI Pi	rices	Index	Provider	else B	SVAL else	e Custor	n
Return Sumr	mary		Active I	Return At	tributi	on Sumr	nary							
Portfolio Re	turn		Curve F				Excess	5			Cu	irrency		0.00
Benchmark			Curve	Change			Alloca				Pr	icing		0.00
Active Retur	'n	9.38	Curve	Carry		-2.97	Selec	tion		-33.95				
Duration Sta			Excess	Return	Summa	ry Grapl					Activ	/e Exces	s Returi	י <mark>י</mark>
Port	Bench	+/-	-30	-25	-20	-15	-10	-5	•	5	10	15	20	
3.85		-0.91	-30	-25	-20	-12	- 10	-5	0	5	10	15	20	
Yield Summa			I I											
Tenor	Yield Curve	Change										13.80	Focu	ritized Debt
6 Months	-0.06											13.60	Sect	i ilizeu Debi
1Y														
2Y	0.04													
3Y														
5Y	0.12							- 1.6	5				Corp	orate Debt
7Y	0.17													
10Y	0.19													
20Y	0.22													
30Y	0.21			-25.5	0								Gove	ernment Debt

PORT <GO> - Attribution tab Understand the sources of your portfolio's historical performance on an absolute or relative basis

PERFORMANCE ATTRIBUTION

- » Analyze relative performance results by examining factors including curve effect, allocation effect, security selection effect and currency effect
- » Easily drill down for full data transparency to gain a greater understanding of the data driving returns, such as capital events and dividends
- » Calculate selection and allocation effects for equity portfolios
- » Calculate the impact of yield curve movements for fixed-income portfolios



Bloomberg's Portfolio & Risk Analytics solution centralizes the critical data and analytics you need to monitor and manage your investment portfolios. Display the fundamental metrics you care about most, such as P/E and dividend yield for equity portfolios or effective duration for fixed-income portfolios. Create your own growth or trend metric leveraging Bloomberg's vast fundamentals database.



PORT <GO> – Characteristics tab Analyze the fundamental characteristics of your investment portfolio and how it compares to a benchmark as of a specific date or as a time series trend

AGGREGATED PORTFOLIO CHARACTERISTICS

- » Aggregate by any classification, such as sector, duration bucket, country or a custom sector scheme that you define
- » Chart characteristics to see your relative exposures versus the benchmark
- » View the top or bottom 10 instruments within your portfolio based on criteria such as percentage of market weight, P/E or duration

11) View - 12) Action Intraday Holdings	s • 13) Settings • 14) Trade Simulation • 99 Feedback Portfolio & Risk Analytics Characteristics Tracking Error VaR Scenarios Performance Attribution &•
Main View Top Holdings	
Port STRATEGIC (
Unit Basis Points Name Topic My N Searc Cash Consumer Disc	Port Sources Lang Ity Cut-off Vesterd/2 Sort By Delpht D Port Port 1) T US A18 T INC Last 36.62 Chg -0.32 Webt 6.52 Port Port
ACTIV Energy ENHAN Financials SPX Health Care ENHAN Information Te +Cust	omize 9) MRK US MERCK & CO. INC. Last 46.71 Chg -0.62 & Wgt 4.29
Apple Pfizer JPMor Saks	1) Merck Wins FDA Panel's Partial Backing for New Sleeping Pill BFW 16:43 2) FDA Panel Backs Experimental Merck Insomnia Drug APW 16:41 1) Mer US WAL-MART STORES INC Last 77.03 Chg 10 Wal-Mart Hires Hill & Knowlon's Bartlett for Corporate Affairs BN 11:33 10 Mol-Mart Hires a New Chief Image Maker NY 16:46
6.00 Strategic growth 0.999 Sony	(& Co Inc 10) Apple Tax Query Becomes Look's Latest Crisis-Management Test (3) BN 16:22 U Co V Co Inc 10) MarketWatch: Apple bond prices fall as interest rate risk rises NS1 16:40
-4.00 -	1.35 1446 1445 1450 1455 1560 1565 1510 1515 1510 1513 1513 1546 1546 1550 1555

PORT <GO> – News pop-up Instantly view the stories relating to and impacting your portfolio with Bloomberg News[®]

PORTFOLIO NEWS AND ALERTS

- » Bloomberg's ever-expanding news content is fed by more than 60,000 sources, including global press releases, broker research and blogs
- » Sort your portfolio news with up to 11 different filters, including "User Activity," which uniquely shows the stories of most interest to other users in the Bloomberg community
- » Alerts and unlimited keyword criteria can be applied to your portfolios, ensuring that every piece of news and research critical to you is captured



PORT <GO> -Characteristics tab Easily right-click on any security to run popular single-security analytics such as YAS <GO> and OAS1 <GO>

FIXED-INCOME CHARACTERISTICS

- » Full integration with market-standard single-security analytics and complete fundamental data
- » Full access to Bloomberg's comprehensive security master database

» Full access to Bloomberg's evaluated pricing source (BVAL) to mark-to-market your fixed-income portfolio

UNDERSTAND YOUR PORTFOLIO'S RISK STRUCTURE ////////

Bloomberg's Portfolio & Risk Analytics solution offers market risk tools, including advanced analytics, to help manage and measure market-related risk exposures. PORT <GO> is your portal to a selection of portfolio risk statistics, including stress tests, tracking error and absolute/relative VaR.

) Settings •	14) Trade Simul	arron	Feedback	Portfolio & Ri	sk Analytics						
	oldings Characte		ing Error VaR		formance	Attribution 🛛 🐡 -							
	Immary Factors			actor P&L		10.06	05 (22 (12						
Port STRATEGIC GRO vs SPX Index vb GICS Sectors in USD As of 05/22/13 Model US Equity Fundation 1 Year v													
	Portfolio Value 33,593,787.00 USD (62 name(s), 100% Gross MV) Portfolio Beta(ex-ante) 0.93												
Portfolio Value	No Value 33,593,787.00 USD (62 name(s), 100% Gross MV) Portfolio Beta(ex-ante) 0.93 Risk (Std) Factor Risk (Std)												
Thomas	Tatal Diale		Nen Fristen	Mauliat			Creater						
Item	Total Risk	Factor	Non-Factor	Market	Style	Industry	Greeks						
Portfolio	13.24	13.06	2.19	13.95	1.34	1.85	0.00						
Benchmark	14.05	13.99	1.24	14.60	0.85	1.58	0.00						
Active	2.14	1.39	1.62	0.65	0.58	0.82	0.00						
Click a number to see breakdown Risk Contribution (%) Factor Risk Contribution (%)													
Item	Total Risk	Factor	Non-Factor	Market	Style	Industry	Greeks						
Portfolio	100.00	97.27	2.73	102.44	-2.05	-3.12	0.00						
Benchmark	100.00	99.22	0.78	102.71	-2.14	-1.35	0.00						
Active	100.00	42.51	57.49	14.37	8.75	19.39	0.00						
Style(Active) 0.6			Click chart bars	to drill down		• Risk	Exposure						
0.5													
"o 0.4													
9 0.3 0.2													
0.2			·····										
0													
		iab		*	g	ц.	ح						
	ри	ıVar	fit Wth	feac	erag	lent	tilit						
^{JS Size}	JS Divrid	US EarnVariab	^{JS Profit} ^{JS Growth}	US TradeAct	^{JS} Leverage	JS Momentum	US Volatility						
Sn	Sri	SU	s, s,	Sn	2/12	S S	Sn						

PORT <GO> – Tracking Error tab Analyze your portfolio's ex-ante (predicted) risk by using one of Bloomberg's multi-factor risk models

TRACKING ERROR

- » Bloomberg's fully transparent fundamental risk factor models provide global coverage across fixed-income and equity positions
- » Understand the amount and sources of risk to which the portfolio is exposed
- » Use the factor P&L feature to attribute performance in terms of risk factors
- Only Bloomberg provides the ability to click through to the underlying fundamental data for full risk data transparency

		The second se	olio & Risk Analytics
Characteristics Holdings Tracking Error VaR Sco		Attribution 🌣 -	
Main View Scenario Summary Best & Worst Scenario Nav			
Port GOV CREDIT PO vs INV GRADE IND vy Market S			As of 05/21/13
Set Bloomberg Stan		Model Bloomberg Risk	
Scenario	P&L	P&L %	Stress MV
Russian Financial Crisis - 2008	-33,248	69	-33,248
Greece Financial Crisis - 2010	-27,777	58	-27,777
Oil Prices Drop - May 2010	-26,767	56	-26,767
Debt Ceiling Crisis & Downgrade 2011	-21,957	46	-21,957
Equities down 10%	-8,216	17	-8,216
EUR down 10% vs. USD	-6,103	13	-6,103
Lehman Default - 2008	-3,330	07	-3,330
Japan Earthquake - Mar 2011	-235	.00	-235
Libya Oil Shock - Feb 2011	318	.01	318
EUR up 10% vs. USD	6,099	.13	6,099
	Annotate		

PORT <GO> - Scenarios tab Stress test your portfolio and identify sensitivities to selected market risk factors

SCENARIO ANALYSIS

- » Evaluate your portfolio using a variety of historical stress scenarios—such as the global financial meltdown in 2008 or the Libyan oil crisis in 2011
- » Create custom scenarios aligned to gain greater insight into your portfolio's risk and validate current portfolio exposures

11) View - 12) Actions - 13)	Settings 🖌 🔄 14) Tra	de Simulation , 📃	99) Feedback P	ortfolio & Risk Analytics
Characteristics Holdings Trac	cking Error VaR So	cenarios Performance	e Attribution 🏶 -	
Main View VaR Comparison Distr	ibution VaR Simulation	s Factor Breakdown		
Port GOV CREDIT PO vs INV GR	ADE IND by Market	Sector 🗴 in USD 🔽		As of 05/21/13
Model Bloomberg Risk 🗾 Unit P&	L 🔽 CLvl 95%	×		Horizon <mark>1 day 🔽</mark>
Portfolio Value 4,820,392.00 USI	D		Secur	ity coverage
VaR (P&L)			● #Po	s o MV
Methodology	95% Val	R 97.5% VaR	99% VaR	
Monte Carlo Simulation VaR	23,194	4 28,591	35,619	
Historical 1 Year Simulation VaR	20,92	7 26,735	36,707	
Historical 2 Year Simulation VaR	26,559	9 35,718	42,498	Covered : 100.00%
Historical 3 Year Simulation VaR	27,464	4 34,876	43,808	
Parametric VaR	21,698	3 25,855	30,688	
Contributors				
Name	VaR	Marginal VaR (x100)	Partial VaR	Conditional VaR
Portfolio	23,194			31,006
Securitized Debt	13,997	98	-6,902	18,611
Corporate Debt	10,673	-2.48	6,094	14,344
Government Debt	22,759	1.64	-8,057	30,354
T 4 ½ 05/15/38	6,181	-3.76	4,787	8,315
T 4 ¹ ₄ 11/15/17	1,748	45	-871	2,331
T 3 ¹ ₂ 02/15/18	4,947 📃	49	3,068	6,709
T 2 58 07/31/14	388	.01	17	514

PORT <GO> – VaR tab Measure your portfolio's ex-ante risk using the methodology that best suits your needs

VALUE-AT-RISK

- » Effectively manage your portfolio risk by easily determining the overall impact of changes in investment strategy
- » Utilize three different approaches to VaR (Monte Carlo, Historical and Parametric) across multiple confidence levels to calculate theoretical profits and losses
- » View your portfolio's entire P&L in graphical and tabular form for easy analysis
- » VaR offers historical and Monte Carlo methods that are updated nightly to provide the most up-to-date risk estimates for your portfolio

Bloomberg's flagship application for equity and fixed income investment portfolio analysis includes fully integrated portfolio construction tools: Trade Simulation and Portfolio Optimization features. Easily and rapidly evaluate your portfolios to identify trades that will ensure you make the best investment decisions.

1	1) View - 12) Actions	- 1	3) Setting	s - 1	4) Trade	Simulati	on - 99)	Feedbac	k 🔤	Portfoli	o & Risk	Analytics
TRA	ADE SIMULATION ENABLED)				Opti	mizer Add	Simulated	d Holdings	Save/	Trade 🔻	Settings
In	traday Holdings Ch	naracte	eristics	Tracking E	rror V	aR Sce	enarios P	erforman	ce Attr	ibution	* -	
Ma		tors	Risk Bets	Trends	Exposur							
Por		_	Index	1	CS Sector						As of 05/	(22/12
		SPX	Index		LS Sector	S M III						
Мос											Horizon	1 Year
	Name		Simulated Wgt	Orig Wgt (%)		Buy/Sell	% Wgt		GrossT Active Weight	otal Risk (Contribution (%)	Beta (ex-ante)
-i		Ţ	i	i		ĺ	Port	+/-	+/-	+/-	+/-	Port
al	STRATEGIC GROWTH		100.00	100.00	0.00		100.00	0.00	127.35	2.17	100.00	0.93
	🗖 Cash		4.75	4.47	0.29		4.75	4.75	4.75	0.00	0.00	0.00
			4.75	4.47	0.29	96,479.31	4.75	4.75	4.75			0.00
al l	Consumer Discretionary		13.68	13.97	-0.29		13.68	1.81	19.16	0.97	18.40	0.92
	AMAZON.COM INC	Z	4.00		2.40							0.89
	COMCAST CORP-CLASS A		1.63	1.63	0.00		1.63	0.89	0.89	0.16	-2.02	0.92
a	GAMESTOP CORP-CLASS A		1.09	1.09			1.09	1.06	1.06	0.40	-1.68	1.33
al.	HOME DEPOT INC		2.00	4.69	-2.69	-11,463.00	2.00	1.21	1.21	0.23	-1.34	0.79
	NEWS CORP-CLA		1.48	1.48			1.48	1.04	1.04	0.19	-2.56	0.94
đ	TARGET CORP		1.48	1.48	0.00		1.48	1.17	1.17	0.22	-1.25	0.79
	YUM! BRANDS INC		1.98	1.98			1.98	1.77	1.77	0.42		0.99
al	Consumer Staples		10.26	10.26	0.00		10.26	-0.46	15.70	0.70	10.34	0.64
	COCA-COLA CO/THE		0.76	0.76			0.76	-0.33	0.33		0.48	0.55
	CVS CAREMARK CORP		2.39	2.39	0.00		2.39	1.90	1.90	0.35	-0.73	0.66
.	HILLSHIRE BRANDS CO		0.67	0.67			0.67	0.67	0.67	0.14	-1.65	0.80
	HJ HEINZ CO	Z	0.69	0.69	0.00		0.69	0.53	0.53	0.08	-0.92	0.61
đ	MONDELEZ INTERNATIONAL	🗹	1.61	1.61			1.61	1.24	1.24	0.22	-1.80	0.68
al.	WAL-MART STORES INC		4.15	4.15	0.00		4.15	3.28	3.28	0.56	0.48	0.61
đ	Energy		9.13	9.13			9.13	-1.56			11.04	1.25
	BAKER HUGHES INC		0.60	0.60	0.00		0.60	0.46	0.46	0.13	-2.06	1.41
	CHEVRON CORP		1.50	1.50			1.50	-0.14	0.14			1.16
a	EXXON MOBIL CORP		2.76	2.76	0.00		2.76	-0.03	0.03	0.01	0.10	1.14
							urnover: 5.0	8%	Zoom		+	75%

PORT <GO> - Trade Simulation Enabled Analyze tracking error based on simulated trades

REBALANCE YOUR PORTFOLIO

- » Evaluate potential trades or edit existing positions by using the Trade Simulation functionality
- » Analyze in real time the impact of hypothetical trades across the entire analytical suite of portfolio tools available within PORT <GO>

1) Run 2) Tasks	- 3) Settings	99) Analyze in	PORT	Por	tfolio Or	timization		
Port GOV CREDIT PORTFOL			Risk Model Bloomberg Risk Model (
Setup Frontier Trade		A Not House Bloomber	g Hok Hodel					
1. Goals	Add Goal	2. Trade Universe	25	Add Ur	niverse	_		
Action Field			Source	Security L	ist	_		
Minimize - Active Total Ris	sk 📝		Favorites			🖬 🧪 🙉		
	-							
3. Constraints		Add Fr	ontier	Add Constr	aint	Delete		
Constraint Field	Constraint Group	Relative	Unit	Min	Max	Trade-Off		
Turnover	Portfolio	Init. Portfoli	io 🔽 🗞		30			
Option Adjusted Duration	Portfolio	Benchmark		-0.1	0.1			
4. Security Properties								
Cash (USD Curncy)	Min 0% Max 100%	Long Positions (Only 🔹	Clear Al	l	Export		
Security	Relative Min We	ight(%) Max Weight(%)	Max T	rade		Lot Size		
Default for all securities	Init. Portfolio 🔽	-5 5				1 /		
<type de<="" drag="" or="" override="" td="" to=""><td>None</td><td></td><td></td><td></td><td></td><td></td></type>	None							

PORT <GO> – Optimization Choose from the Optimizer's global tasks menu or define your own goals and constraints

ITERATE THROUGH MULTIPLE TRADE IDEAS

- » Construct your portfolio directly through the PORT <GO> application, leveraging Bloomberg's built-in Optimizer and Trade Simulation capabilities
- » Build custom tasks using numerous parameters or select from predefined tasks to optimize your goals and constraints

		ttings -	99) Analyze			Optimization
Port GOV CREDIT	PORTFOLIO Bmrk INV	GRADE INDEX	Risk Model Bloon	nberg Risk Model (Backtest	Enabled 🦯
Setup Frontier	Trades					
Optimization Summ	ary Status Success		Goal Summary			
			Goal	In		inal Value
Turnover(%)	30 Trade Value		Active Total Risk		0.26	0.09
# of Buys	9 Value of Buys	723,145				
# of Sells	7 Value of Sells	723,145				
Proposed Trades						rt Trades
	Vame	Trade	Quantity	Init. Weight (%) 0	pt. Weight (%)	Wgt Diff↑
FG A95407	-G A95407		26,066		0.4	0.4
PETBRA 5 ³ ₄ 01/201	PETBRA 5 ³ 4 01/20/20	Buy	14,085		0.33	0.33
T 4 ¼ 05/15/39 [·]	Γ 4 ¹ ₄ 05/15/39		10,291	1.02	1.28	0.26
FN 995515	N 995515	Buy				0
USD	JSD		0.02			0
WFC 5 ¹ ₄ 08/01/14	WFC 5 ¹ ₄ 08/01/14		-22,391	5.23	4.74	-0.5
HPQ 4 ³ 4 06/02/14	HPQ 4 ³ 4 06/02/14			5.1	4.35	-0.75
TWX 6 ½ 11/15/36	FWX 6 ½ 11/15/36	Sell	-42,277	1.9	0.83	-1.07
Portfolio and Group	o Constraint Results					
Group	Field	Relative	Min	Max Initial Va	ilue Final V	alue Warning
PORTFOLIO	Turnover	INIT_PORTFO)LIO	30		30
PORTFOLIO	Option Adjusted [Durati BENCHMARK	-0.1	0.1 -:	1.09	-0.1 (!)

PORT <GO> – Optimization Output

The Optimizer delivers suggested trades for analysis with resulting active total risk

IDENTIFY THE TRADES TO MEET YOUR INVESTMENT OBJECTIVES

- » Iterate through multiple versions of hypothetical trades to construct your optimal portfolio
- » Leverage Bloomberg's Transaction Cost Analysis model to incorporate market impact in your optimization routine
- » Utilize your custom security-level expected returns as an input to the Optimizer to drive your optimization results
- » Rebalance your portfolio to reach a target duration objective

TURN DESKTOP PORTFOLIO ANALYTICS INTO FIRM-WIDE SOLUTIONS /////

FIRM-WIDE SOLUTIONS

Bloomberg's Firm-Wide Portfolio Analytics solution builds on our desktop analytics by providing firm-wide controls & privileging, thus streamlining integration from internal systems, and centralized distribution of reports. The result is consistent analytics and a controlled solution for your entire firm. The Firm-Wide solution is an add-on package to the Bloomberg Professional service.



INTEGRATION AND IMPLEMENTATION

- Implementation Specialist
- Integration Architect
- Inbound System-to-System
 Integration

ADMINISTRATION AND CONTROL

- Role-Based Permissions
- Audit and Control of User Access

FIRM-WIDE DATABASE

- Portfolio, Benchmark & Classifications
- Single Point of Analytic
 Master Data

ANALYTICS AND REPORTS

- Portfolio and Benchmark
 Analytics
- Adobe[®] PDF and Microsoft[®] Excel Formats

- Custom Data & Fixed
 Income Pricing
- Firm-Wide Proxy

Shared Views

 Scheduled Reports Delivered via Email and FTP

- Daily Automation
- Data Integrity Report

Audit of Entity Changes



BLOOMBERG BRIEF RISK NEWSLETTER

Portfolio managers, treasurers and risk professionals with Bloomberg terminals have a resource in the form of a weekly risk e-newsletter launched in June 2011. Titled Bloomberg Brief Risk, this publication combines original news, data and commentary on topics such as hedging, portfolio allocation and funding strategies. Bloomberg Brief Risk also contains interviews with risk officers and portfolio managers at fund companies, corporations and other institutions. Bloomberg terminal customers enjoy complimentary access to the newsletter. Non-terminal customers may access via paid subscription.

ABOUT THE BLOOMBERG PROFESSIONAL SERVICE

The founding vision in 1982 was to create an information services, news and media company that provides business and financial professionals with the tools and data they need on a single, all-inclusive platform. The success of Bloomberg is due to the constant innovation of our products, unrivaled dedication to customer service and the unique way in which we constantly adapt to an ever-changing marketplace. The Bloomberg Professional service is a powerful and flexible tool for financial professionals—whatever their needs—in cash and derivatives markets as diverse as equities, currencies, commodities, money markets, government and municipal securities, mortgages, indices, insurance, and legal information. The Bloomberg Professional service seamlessly integrates the very best in real-time data, news and analytics.

In addition, Bloomberg users benefit from on-demand multimedia content, extensive electronic trading capabilities and a superior communications platform. Bloomberg customers include influential decision makers in finance, business and government. Business and financial professionals recognize the Bloomberg Professional service as the definitive tool for achieving their goals because it offers unparalleled assistance and functionality on a single platform for a single price.



Real Service from Real People When You Need It.

Our 24/7 industry-leading customer service teams in 160 countries around the world will help you fully leverage the analytics and data on the Bloomberg Professional service.

To learn more about what Bloomberg's Portfolio & Risk Analytics solution can do for you, visit BPRA <GO> on the terminal or send an email to our team at: portsolution@bloomberg.net.

Beijing +86 10 6649 7500

Dubai +971 4 364 1000

Frankfurt +49 69 9204 1210

Hong Kong +852 2977 6000

London +44 20 7330 7500

Mumbai +91 22 6120 3600

New York +1 212 318 2000

San Francisco +1 415 912 2960

São Paulo +55 11 3048 4500

Singapore +65 6212 1000

Sydney +61 2 9777 8600

Tokyo +81 3 3201 8900