

The Imagine Risk Aggregator Solution (RAS) provides clients who do or do not have direct access to position-level data the capacity to view, compare and report risk exposures and analyses across all underlying funds and investments.

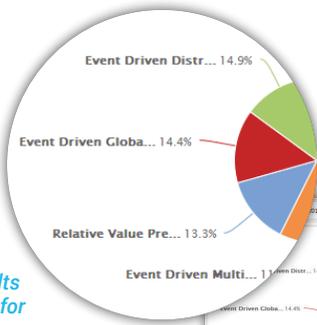
The Risk Aggregator Solution (RAS) provides greater intelligence and insight from the total fund level all the way down.

Reveal Your True Risk Exposure

RAS gives financial firms that invest across multiple funds and asset classes the ability to provide internal and external stakeholders with meaningful risk reporting and transparency.

By independently sourcing, verifying, aggregating and normalizing the fund level data that investors typically cannot access – then applying common sets of risk exposures and scenarios – Imagine’s RAS provides a world-class framework for comprehensive risk analyses.

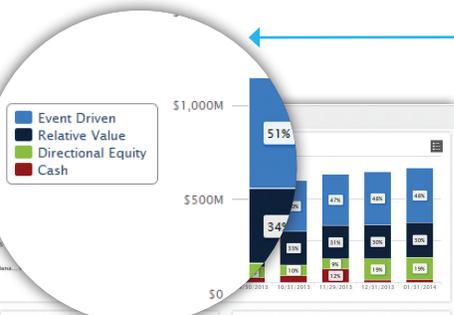
Visualization shows one-month summary of market value across funds.



Stress ladder shows total aggregated stress test results at varying degrees, such as for yield curve shifts.

SHIFT	P&L \$	P&L % OF TMV
Dv01	76,448	0.01%
Ci01	476,510	0.03%
Vega	968,773	0.07%
Delta	4,994,936	0.36%
Eq+10%	52,296,219	3.82%
Eq-10%	-48,722,462	-3.56%
Vol+10%	10,038,045	0.73%
Vol-10%	-2,645,191	-0.19%
Cr+25bps	11,871,308	0.87%
Cr-25bps	-11,400,770	-0.83%
YC+25bps	-1,061,436	-0.08%
YC-25bps	16,978	0.00%

Visualization captures six-month view of market risk.



SHIFT	P&L \$	P&L % OF TMV
Event Driven	-3,362,899	-0.25%
Relative Value	48,254	0.00%
Directional Equity	545,288	-0.04%
Cash	1,652,000	0.14%
Event Driven	-9,300,540	-0.72%
Relative Value	2,395,593	0.17%
Directional Equity	1,237,540	0.09%
Cash	4,028,927	0.29%

Reliable Fund-Level Data

Imagine's RAS sources the underlying funds' position-level data directly from administrators and prime brokers. Our data analyses and slice-and-dice capabilities enable clients to:

- ▶ Calculate VaR across all underlying funds and at the total fund level using a single methodology
- ▶ Conduct scenario and what-if analyses to assess potential changes in risk levels
- ▶ Provide consistent sets of risk exposures and risk scenarios

Full Suite of Risk Reporting

To satisfy high-level demands for transparency, RAS offers a full suite of detailed reporting capabilities. Multiple download formats (PDF, XLS, DOC) are supported to enhance versatility.

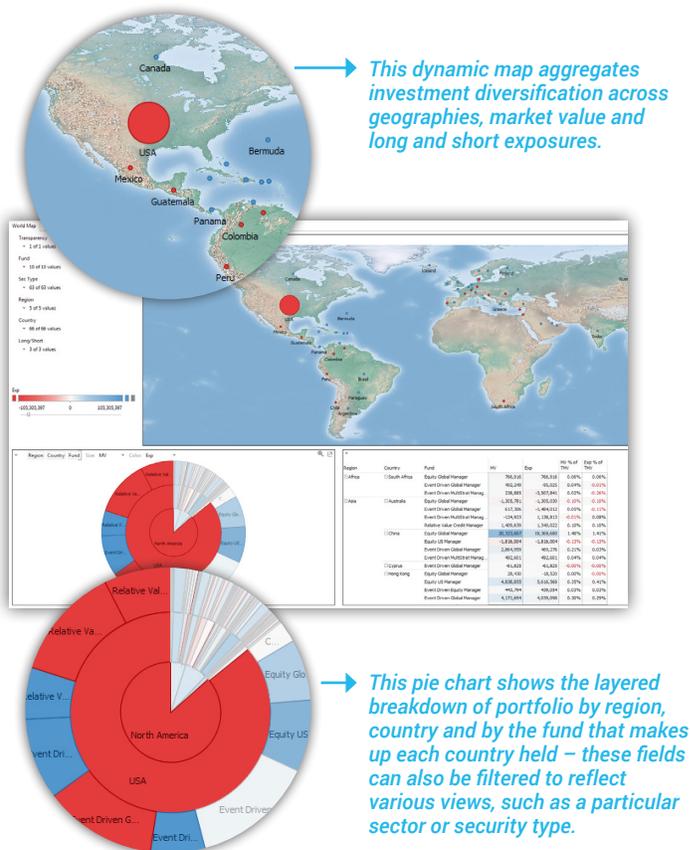
- ▶ Mortgage analyses and attribution
- ▶ Exposure concentration (country, asset class, etc.)
- ▶ Sensitivity analyses (beta, foreign exchange, etc.)
- ▶ Stress testing
- ▶ VaR
- ▶ Time series
- ▶ What-if analyses

Data Visualizations Increase Transparency

Imagine's sophisticated data visualization tools provide a 360-degree view of portfolio risk. Interactive dashboards feature full drill-down capability. Users can control dashboards to display risk exposures by fund, strategy, sub-strategy, or any attribute to generate the most relevant views of risk and market exposure.

Imagine's Risk Aggregation Track Record

Imagine has more than two decades of real-time portfolio and risk management experience working with financial institutions worldwide. Our comprehensive data visualization is coupled with our seamless loading of fund data and professional reporting capabilities to produce an easy-to-use product for complex financial data.



Imagine Software provides real-time portfolio, risk management and regulatory solutions for the world's leading banks, broker dealers, hedge funds, pension funds, funds of funds and asset managers. Founded in 1993, Imagine delivers institutional-grade functionality and broad cross-asset instrument support for businesses of all size and complexity. Financial professionals around the globe rely on Imagine to launch tailored products, enter new markets, adjust business strategies and scale for growth. Contact us for more information.