



| operational process automation |

Cross-Industry Platform for achieving Operational Efficiency

Avoid duplication of effort and data through

**solutions framework**



Streamline and automate operational processes with

**unparalleled flexibility**



Efficiently manage data and link systems through

**web services**



## Opturo's mission is to deliver technology solutions to our clients to optimize their operational processes.

We combine business intelligent data management, efficiency tools and flexible architecture to provide clients with the infrastructure they require to:

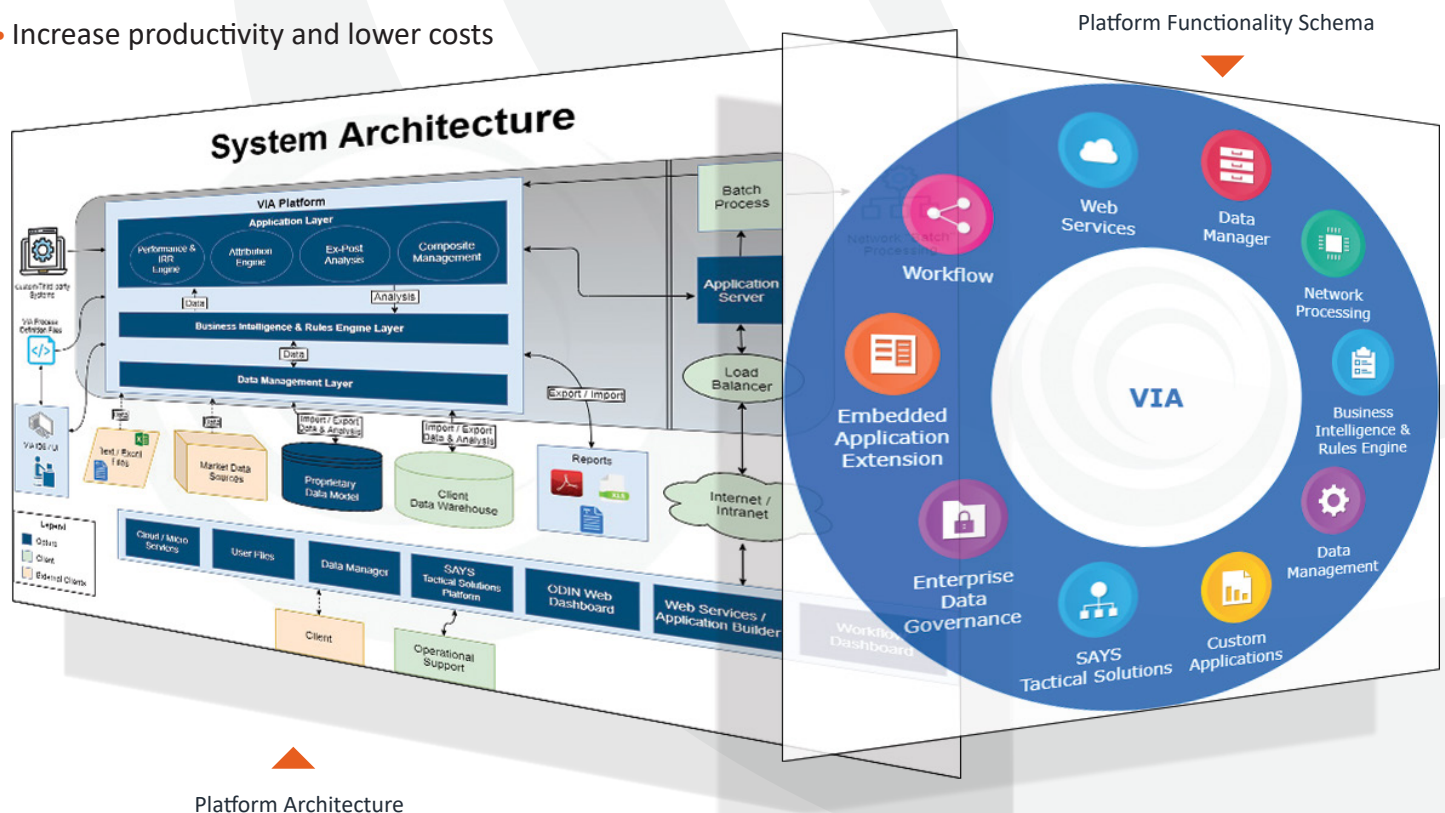
- Effectively manage data and create services around it
- Avoid data replication and redundancy by allowing existing systems to communicate effectively
- Address a wide range of operational requirements without the need for multiple disparate systems
- Avoid homegrown Band-Aid Tactical Solutions that are difficult to support and maintain in the long-term
- Effectively manage operational workflows and scale on-demand
- Increase productivity and lower costs

## Opturo Provides:

- Operation critical products including Data Management, Business Intelligence & Rules Engine, Application Building Framework, Web Service, Data Governance, Workflow Management and Large Volume Batch Processing functionality
- Flexibility to allow for automation of every aspect of the Operations Cycle
- Server, Desktop, Web and Mobile Applications

## Opturo's Advantages:

- Designed with a holistic approach to the entire Operations Cycle
- A platform that adapts to each firm's needs, not the other way around
- Supports rapid deployment of solutions for critical data driven issues
- Customization of reporting and other operation processes
- Offers Workflow Management and ability to scale on-demand



## VIA Platform

efficiency  
through  
automation



Opturo offers a range of products that work in concert to streamline and automate every aspect of the operations cycle, thereby improving efficiency and lowering cost.

### Virtual Implementation Architecture

**(VIA) Platform** is a one-of-a-kind offering that provides a collection of tools that seeks to help large scale enterprises with every aspect of the Operations cycle while avoiding duplication of effort and data. It provides the foundational platform to other value-add products.

Opturo has pioneered the concept of a “Solutions Platform” that provides a stateless and modular API based approach to designing and implementing any process or custom application. Since its core components have been built without “assumptions”, it can be leveraged across any industry.

### HIGHLIGHTS

**Process Manager:** Any Web Service can be rendered as an Application within an iframe in any third-party portal.

**Data Manager:** Maintenance tool to add/modify any database data (e.g.: Transaction, Price etc.) with data audit tracking feature.

**Data Governance:** Provides a Bolt-On platform to define policies and rules in real-time across the entire enterprise to securely access and protect sensitive data.

**Application Builder:** Dynamically renders a UI within an iframe for the above three listed products. This feature allows seamless incorporation of the Platform’s functionality within any third-party portal. It includes the ability to customize the look and feel which can be used to enhance an existing portal’s functionality with little effort.

**Network Processing:** Allows for the limitless scaling of extremely large volume “Batch Processes” across one or many machines in a network.

**Workflow:** Provides a robust engine to design, execute and monitor a wide range of custom daily operational workflows.





<b>Parameter Definition</b>			
Parameter Label	Parameter List	Default Value	Parameter Type
Fund Selection	RAW_FUND_NAME	Global Growth	Drop Down Field
Benchmark Selection	RAW_BM_NAME	S&P 500	Drop Down Field
Market Selection	RAW_MKT_NAME	S&P 500	Drop Down Field
Report List	RAW_REPORT_LIST	Return Summary/Risk Summary	Drop Down Field
Return Start Date	RAW_START_DATE	20090101	Date Field
Return End Date	RAW_END_DATE	20140331	Date Field
Worst/Best Period (months)	RAW_WORST_BEST	3	Date Field
Risk Free Rate (%)	RAW_RFR_RATE	2.6	null
Marginal Acceptance Rate (%)	RAW_MAR_RATE	4.5	null
Rolling Term (months)	RAW_ROLLING_TERM	60	null
Use RFR Return Stream	RAW_USE_RFR_STREAM	false	Drop Down Field
Use MAR Return Stream	RAW_USE_MAR_STREAM	false	Drop Down Field
Gross/Net Return	RAW_GROSS_NET	Gross Return	Drop Down Field
Reporting Currency	RAW_RPT_CURRENCY	U.S. Dollar	Drop Down Field

**Example GET Request**

```
http://oas.n-optumo.com/COIN/COINSer/Set/EX_POST_HIS_SERVICE_DATA?user=edsl1valapsrwn2llis9000&
```

Show/Hide Form Example

Parameter Label	Parameter Value
Fund Selection	US Growth GLOBAL Growth Demo Agri Multi-Strategy Demo Long Star Real Estate
Benchmark Selection	BofA ML US High Yield Master II S&P 500 Russell 1000 MSCI EAFE

Ex-Post Web Service Data

Fund Selection  
US Growth

Benchmark Selection  
S&P 500

Market Selection  
S&P 500

General Settings | Date Settings | Reporting Options | Advanced Settings

Report List

Return Summary X | Risk Summary X | Annual Returns X | Latest Returns X | Monthly Returns X

Generate Report

Powered by **opturo**

**Network Processing - Logging**

OPT Cluster    Server Status ●

Choose a log file to view: 📄

20200127\_15.40.58.773\_DAILY\_SEG\_PERF via Queue Name  
DAILY\_SEG

**Completed Jobs**   Running Jobs   Worker Info   Broker Info

Drag a column header and drop it here to group by that column

Portfolio ID	Valuation Date	Worker Id	Worker Machine
OPT_FUND_8	01/03/2011	ip-172-31-28-170-VL3H	ip-172-31-28-170-VL3E
OPT_FUND_8	01/19/2011	ip-172-31-28-170-VL3eN	ip-172-31-28-170-VL3E
OPT_FUND_1	12/26/2011	ip-172-31-28-170-VL3eN	ip-172-31-28-170-VL3E
OPT_FUND_1	12/14/2011	ip-172-31-28-170-XIH3H	ip-172-31-28-170-VL3E
OPT_FUND_1	10/24/2011	ip-172-31-28-170-wCBGZ	ip-172-31-28-170-VL3E

Workflow Watch

Client Performance Workflow - Load/Recon/Calc

Job Name: Client\_X12

Client Performance Workflow - Load/Recon/Calc [b22184] Completed with Errors

This is an example of a typical performance workflow, that loads client data files for a range of dates, performs data validations, generates security/segment/portfolio performance to database and sends status emails

Refresh Off 1/27/2020, 9:58:35 AM (refresh every 5 sec)

Ran By: CHRIS

Started: 1/22/2020, 12:02:34 PM

Finished: 1/22/2020, 12:06:36 PM

Total Runtime (min): 2:52 min

Download Client Data Files

Client Data Files Status Email

Recon Trade Quantity

Less Details



# SAYS TACTICAL SOLUTIONS PLATFORM

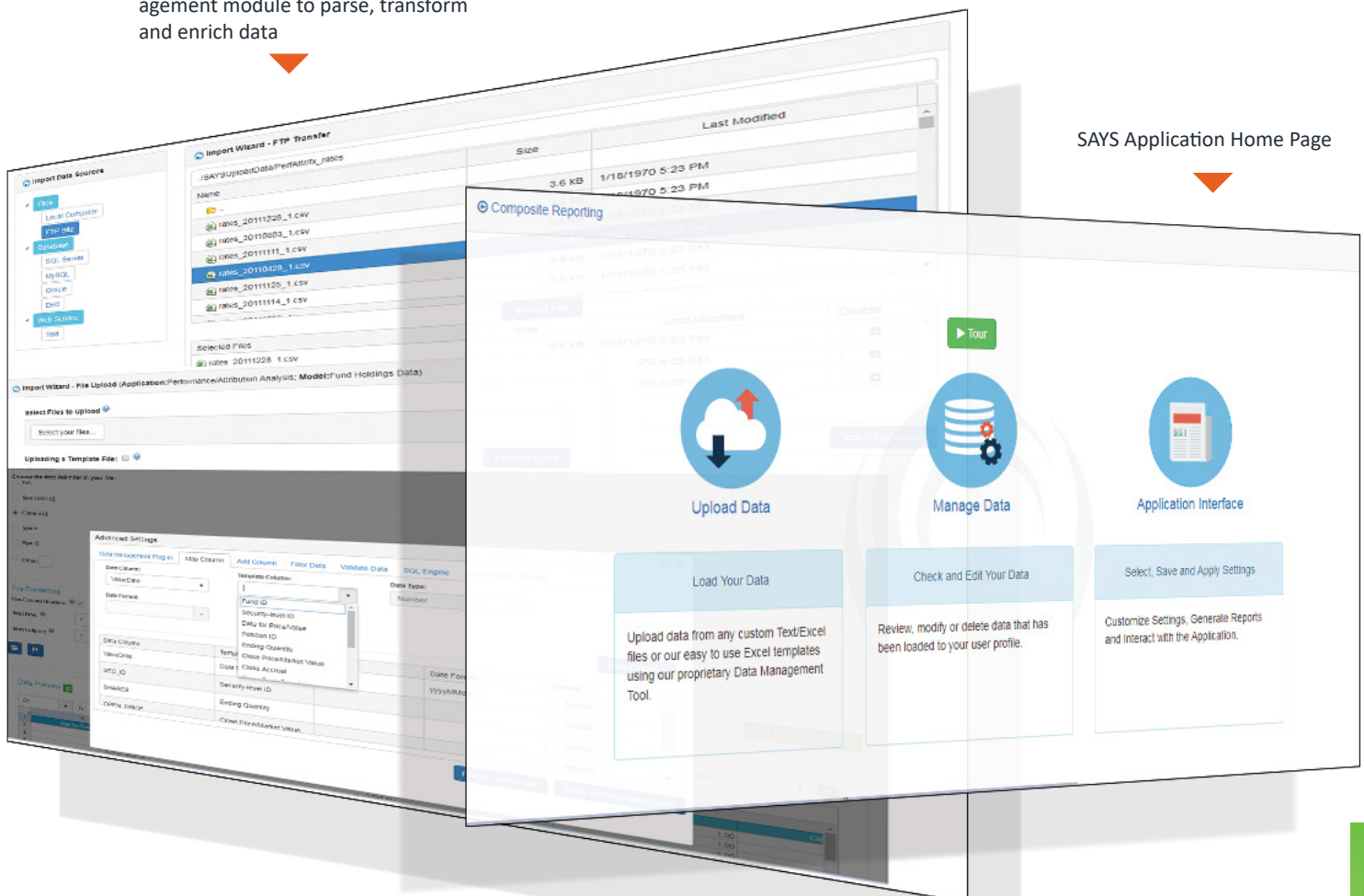
Opturo has pioneered a framework that allow firms to rapidly design and implement solutions without the need for database tables, replicating data and writing new scripts/code.

The key advantage Software At Your Service (SAYS) offers to firms across any industry is a resource to rapidly address tactical data management and business process/analysis problems, and to do so without long term contracts, expensive hardware/software implementations and accompanying long term financial commitments.

Robust upload feature with data management module to parse, transform and enrich data

The platform has the following components:

- **Config-driven Dynamic Data Store Layer** – Our proprietary Data Store enables flexible and rapidly deployed data models.
- **Business Intelligence and Analytics** – Apply your custom Business Intelligence and/or Analytics to your data. Third-party system API's can also be integrated into custom solutions developed on SAYS.
- **Interface Layer** – Rapidly design a custom UI using our proprietary config-driven dynamic HTML application builder.
- **Reporting Layer** – Output the results of your custom solution to Excel, Text, Web Dashboards, Web Services, PDF or Database.





#### CONTACT INFORMATION

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