



Atoti Sign-Off

- Conform to Best Practices for BCBS 239
- Integrate Existing Systems and Procedures
- Enable Fast and Efficient Team Collaboration



Introduction

Building an approval process to document trades and other data as they make their way through various workflow channels so that different layers of managers can view the results and 'tick the box' is a key enterprise risk management principle. The need to swap out screens and log in and out of multiple systems to figure out where an error may have occurred is a time-consuming process. It also leaves room for mistakes.

Atoti Sign-Off is an add-on module to Atoti, the ActiveViam in-memory analytics platform. The software handles the end-of-day approval process and can be deployed on ActiveViam projects requiring data adjustment, validation and archiving. Atoti Sign-Off provides the user with the ability to apply real-time train-of-thought analysis and helps complete functions that normally take hours or more. It creates one ecosystem in a single user interface and eliminates the need to wait for email replies or on data to update from several different systems.

Atoti Sign-Off contains business features and source code with simple configuration to use "as is" or as a starting point to customize. Workflows can be configured to an organization's hierarchy and then defined by the business users (e.g. risk managers, trading desk heads) as they go.

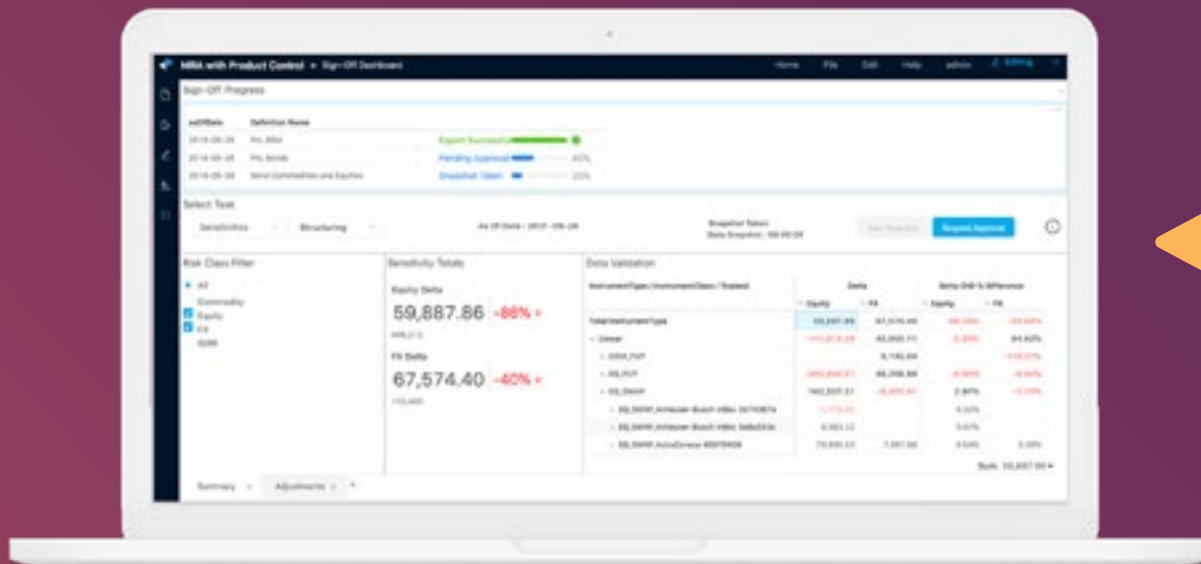
Investigate and Strengthen Data Governance

A user can create a “mandate” (a collection of trades) that needs to be signed off, (i.e. all trades in a particular book; all portfolios within a particular fund). While checking a trade, if a risk manager spots an anomalous movement in PnL from one day to the next, he or she can use the Sign-Off module to drill down to granular level data to investigate the cause and adjust the trade. For example, incorrect market data may have created the issue. Atoti Sign-Off allows for the discovery of this error so that the PnL can be adjusted to reflect the correct data and brought back into line in real time. An audit trail is maintained to capture the change.

Adjust and Sign-Off Trades

Atoti Sign-Off allows a trading desk head to forward a set of trade adjustments through the chain of command for approval. Any metric computed through Atoti can be the basis for a sign off mandate (e.g. PnL, Expected Shortfall, VaR, etc.). Multiple measures can be applied within one mandate. All reports are available on Atoti UI, the user interface designed to guide the user through the workflow with predefined components such as “Sign-Off Controller” and “Sign-Off Manager”. Atoti Sign-Off is configured to handle delivery of late trades concurrently as the sign off is in progress. They can be merged, if necessary. Once the sign off mandate has been completed the related data can be exported and stored in a database, file or other storage mechanism. Should a change need to be applied to the signed off data, it can be reloaded on the fly for viewing.

Sign-Off Module Workflow Features



Atoti Sign-Off (graphic above) shows the “Sign-Off Progress” on the top with the current status for various Sign-Off areas today: some areas have only just started, while others have already been finalized and official data has been exported to hard storage. Each permitted user can see this screen and interact with the data to examine, validate and even adjust data to subsequently request an approval from other stakeholders.



Train of Thought Analysis

User initiates a mandate

- Identify scope, owners, approvers and validity period of the request
- Mandates can cover any issue (Expected Shortfall, Capital Charges, PnL, Margin, Sensitivities, VaR, etc.)

Freeze real-time updates

- Facilitates the beginning of the approval process
- Audit trail is kicked off and stored

Perform any adjustments if warranted

- User can submit adjusted trades and positions in the mandate
- Data can be pulled from a previous date or versions; simulated adjustments can be applied

Submit a request for data approval

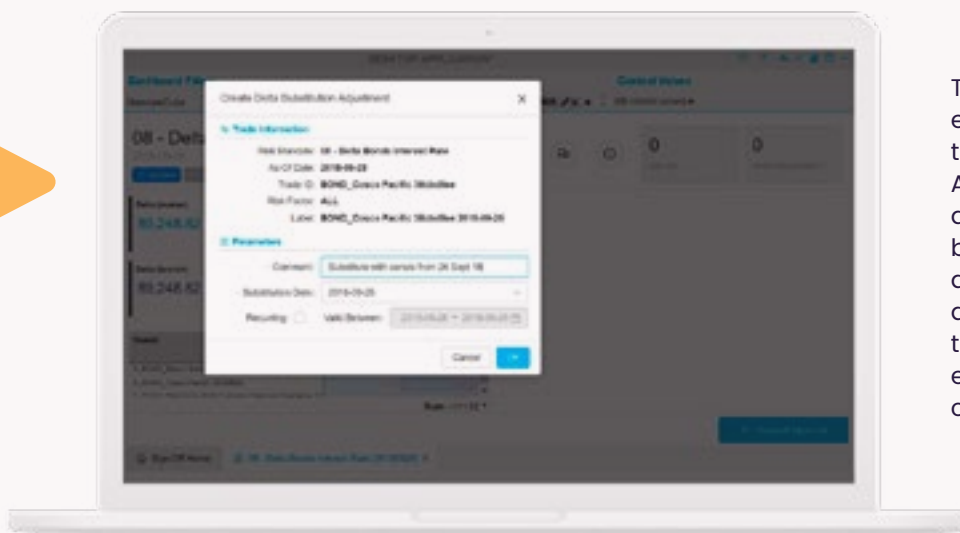
- Approver can review the data/adjustments in the mandate
- Adjustments may be rejected or rolled back entirely

Data is exported/archived

- Data is stored for historical or trend analysis

Reports available on ActiveUI

- User can view reports on a series of configurable dashboards



The graphic to the left is an example of one of the out-of-the-box adjustment use cases. A user can substitute or roll a sensitivity from a previous business date into the current day's data set to see the impact of the change. He or she can then either choose to accept the change or delete it.

Key benefits include:



Map the Sign-Off process to the existing business structures



Process your sign offs in a timely manner



Customize bookmarks to show all mandate-relevant data



Replay the history and trace the audit trail



Audit, control, and verify the business is following BCBS 239



Correct errors on the fly



Store approved data



Compare signed off data with historical and live data sets



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About ActiveViam

Founded by a group of industry experts, ActiveViam understands the data analytics challenges faced by financial institutions across trading desks, risk, and compliance. That is why we pioneered the use of high-performance analytics in finance, helping the largest investment banks, asset managers and hedge funds make better decisions, explain results with confidence, and simulate the impact of their decisions. We are not generalists.

Our mission is to deliver train-of-thought analysis on terabytes of data in the most cost-effective way so our customers can explain their results with confidence and model the scenarios that will optimize their business. We are a pure player specializing in risk data analytics for one of the fastest-moving and most regulated industries with a presence in the world's leading financial market places – London, New York, Singapore, Sydney, Hong Kong, Paris and Frankfurt.

At ActiveViam, we take pride in being experts in developing and supporting a purpose-built analytics technology that has been recognized as “FRTB Product of the Year” by Risk and by Waters Technology as the “Best Sell-Side Credit Risk Product.”

For more information please visit:

www.activeviam.com