



OPS STACK
THE PLATFORM
FOR OPERATIONS

BofA SECURITIES
HORIZONTAL ENGINEERING & ARCHITECTURE



Why AI for Securities Operations?

Securities operations generate large volumes of complex data, often scattered across different systems. AI has the potential to transform how we reconcile, monitor, and optimize these processes – but only if the foundations are in place. Ops Stack is being built to provide those foundations.

Where We Are Today

1. Simplifying Data Models for AI Pipelines

Unified Data Structures – Ops Stack will consolidate identifiers and reference data (products and parties) into consistent, simplified models.

AI-Ready Pipelines – Clean, normalized data means AI models can be trained and run without continuous customization and re-work.

End-to-End Traceability – Every data transformation will be logged, so AI outcomes can be trusted, audited, and explained.

Future Possibility – Fast and controlled onboarding of new AI models (e.g., anomaly detection, predictive fails management, smart matching).

2. Streamlining Architectures

From Silos to Platform – AI works best when data isn't locked in separate systems; Ops Stack provides a common backbone.

Scalable by Design – The architecture will support both batch AI training and real-time inference.

Lower Complexity – Standardized interfaces reduce the effort of plugging AI into multiple legacy systems.

Future Possibility – AI engines can be introduced gradually, powering targeted use cases while fitting into existing operations.

The Road Ahead

Ops Stack will simplify today's operations and create the conditions for AI to succeed:

Cleaner data - Consistent and enriched that is ready to use

More efficient architecture - High capacity and availability flows supported by scalable cloud deployments

Simplified adoption of AI across the back office - Driven by data and driving operational excellence



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