

Structured Finance is burdened by complexity and inefficiency

An industry issuing more than \$2T in Securities each year still running on Excel+Email combo!

Industry spends **\$10 billion** on intermediation and transaction expenses per year

Multiple institutions working from disparate systems, results in high costs and potential risks



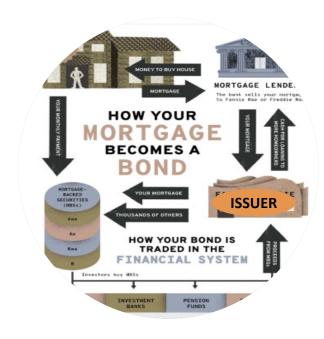
SILOED DATA

Monthly Servicer Reports, Trustee Reports, Investor Reports – each having to be reconciled; less and less is known about the assets with each step



LAYERED COSTS

Each party manages its own systems, does its own due diligence, and has its own set of analysts or reconcilers



MANUAL PROCESSES

With Excel sheets as the most established industry tech, each transaction, analysis & report involves manual effort



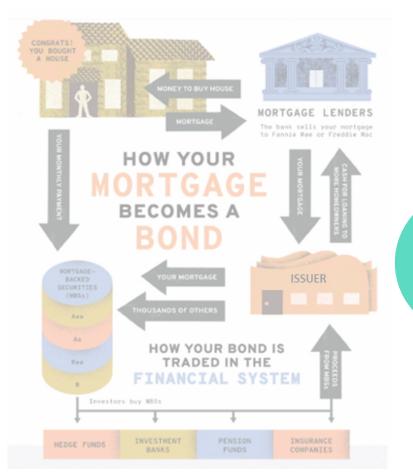
LACK OF TRANSPARENCY

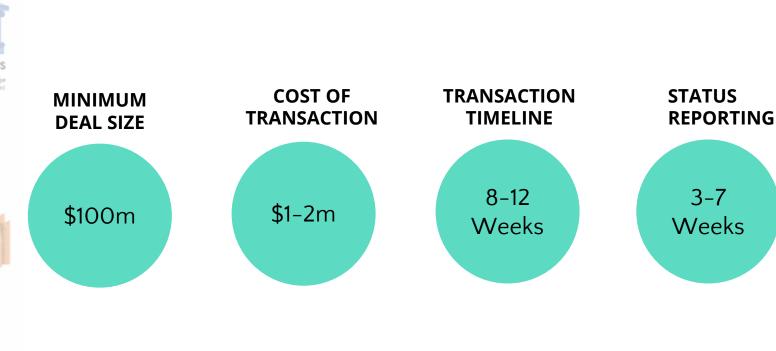
Lack of real-time asset-level data and inefficient market means opaque pricing specific to deal and counterparties



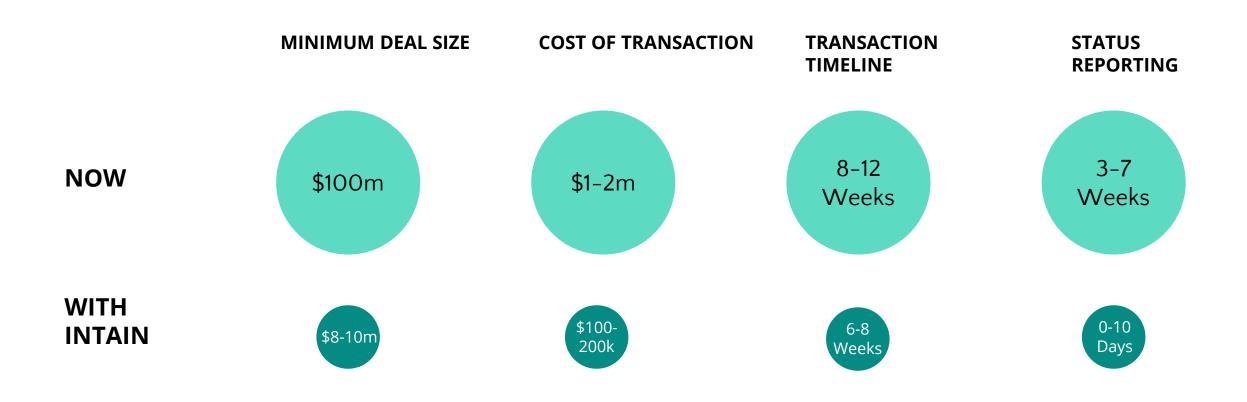


High costs that make deals below \$100M unviable and siloed 'truth' that means up to 50 days delay in loan & collateral data





Intain is building the integrated and automated digital infrastructure that is redefining a structured finance 'deal'

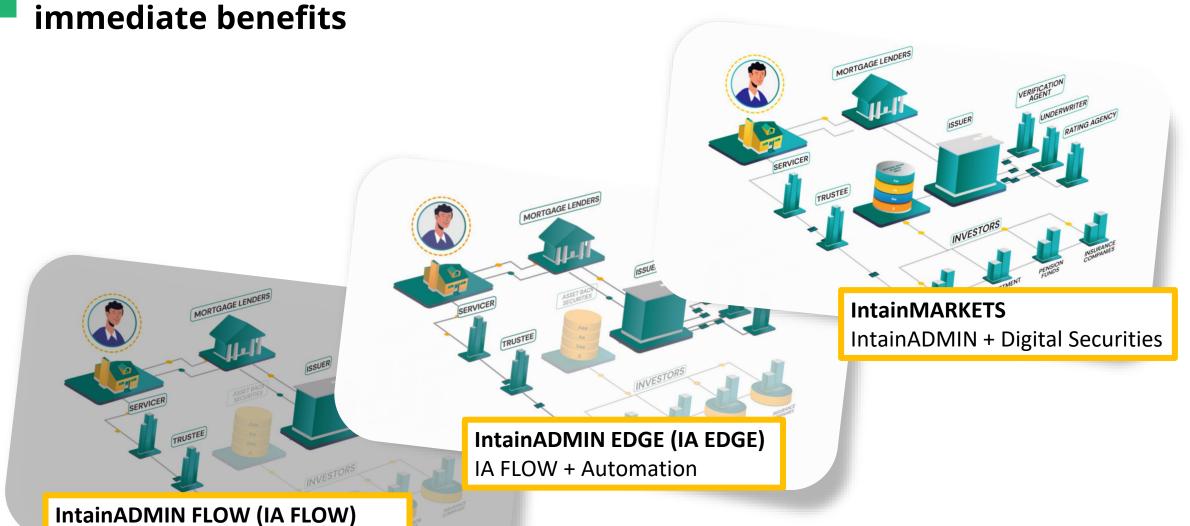


FUTURE OF STRUCTURED FINANCE IS DIGITAL



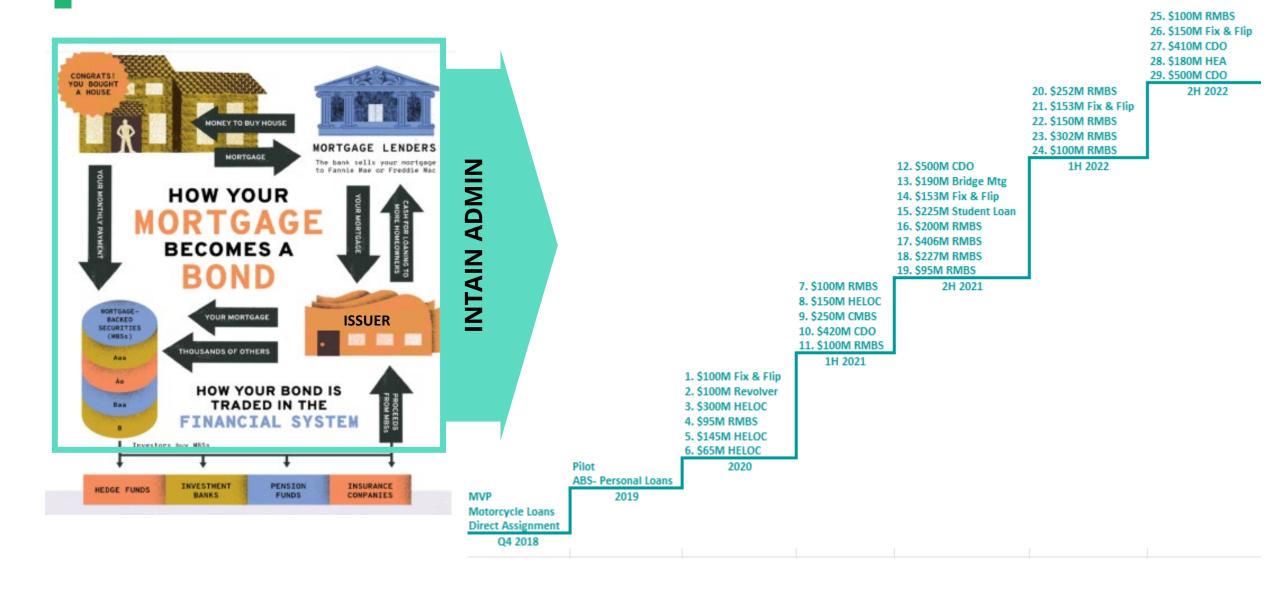
Integrated and Seamless Data Flow

Intain's approach allows Issuers to choose the pace and level of digitization of the issuance and administration, quick set-up and



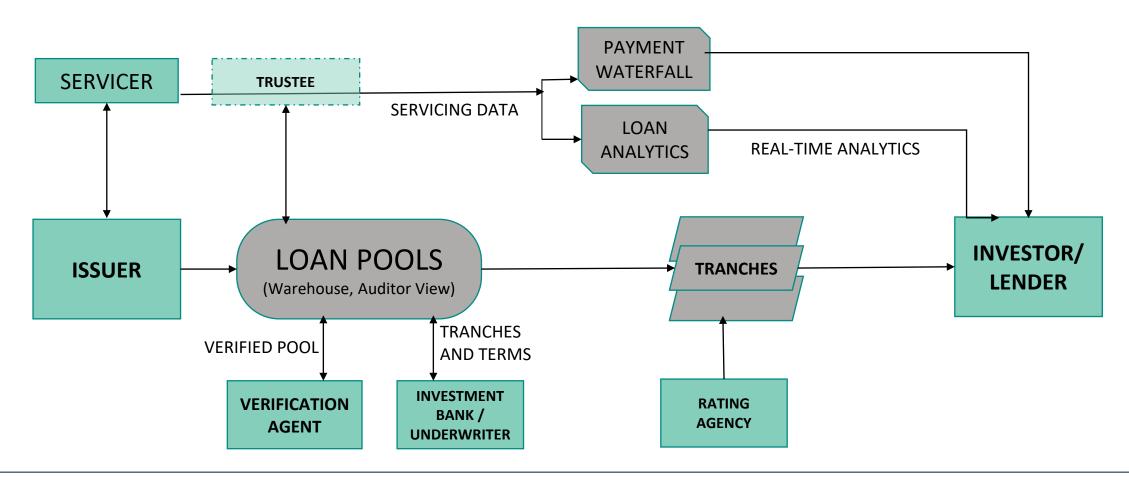


IntainADMIN provides integrated and automated administration across asset classes and deal structures





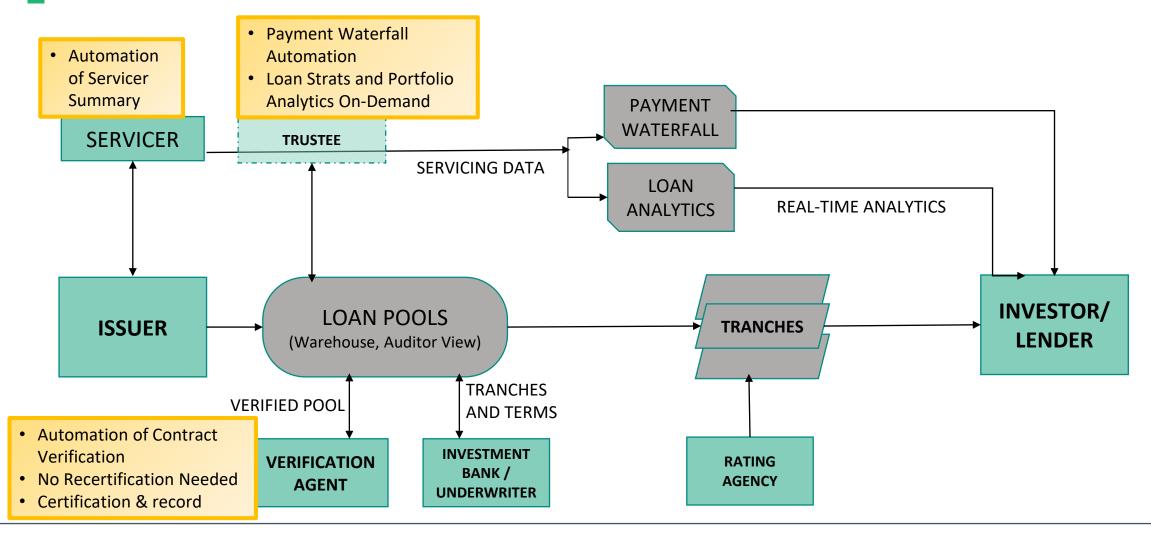
IntainADMIN FLOW (IA FLOW) facilitates Integrated Data Operations with seamless flow of data across stakeholders



Eliminates Manual Reconciliation, Ensures Data Integrity, Provides Real-time Insights, Reduces Costs



IntainADMIN EDGE (IA EDGE) adds automation to IA FLOW for up to 80% reduction in Verification Agent and Paying Agent time and effort



Al-enabled automation of Loan Document Review, Smart Contracts to automate the Payment Waterfall, Combined with Deal and Portfolio Analytics



Thus, IntainADMIN digitizes, automates and then integrates on a blockchain network, key processes across structured finance administration life-cycle

Due Diligence on Loan Documents by a VERIFICATION AGENT

Servicer Loan Tape Standardization with LOAN TAPE CRACKER

Deal Modeling and Payment Waterfall by a PAYING AGENT

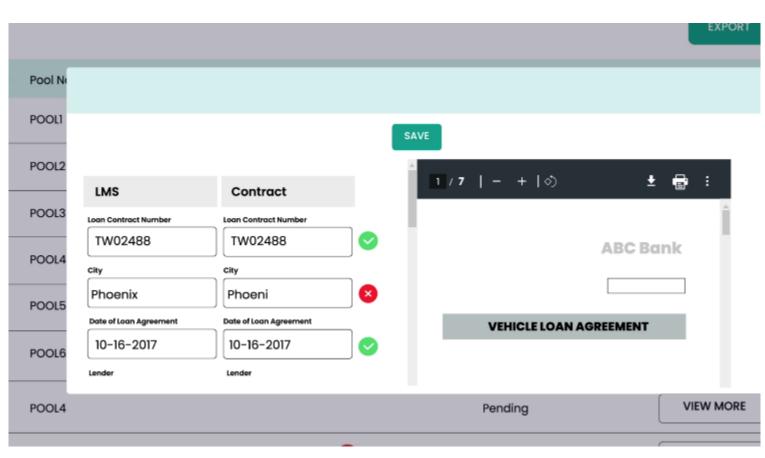
Loan Strats and Portfolio Insights with REAL-TIME ANALYTICS

Surveillance and Monitoring by RATING AGENCIES

Most of these solutions are provided by independent tools or enterprise software products in structured finance; in many cases still done manually or using Excel

Now all available on IntainADMIN

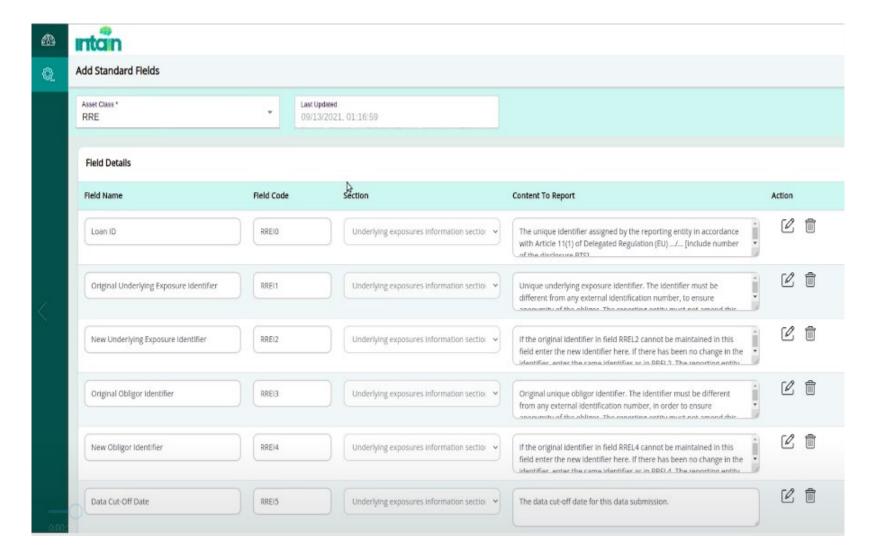
Establishing Data Provenance – Al enabled VERIFICATION AGENT service on-chain



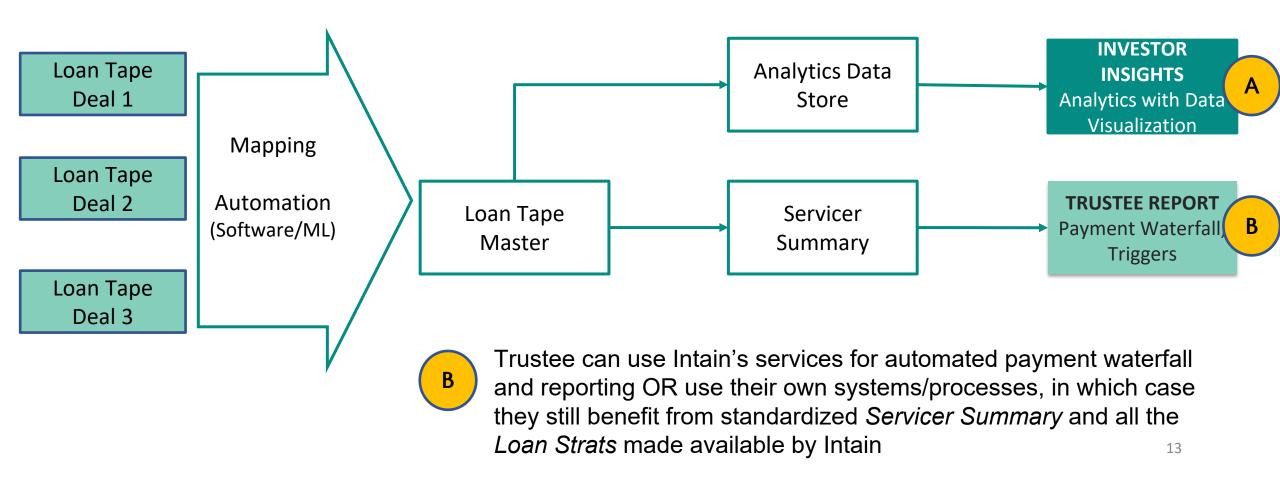
VERIFIED LOAN POOL ON BLOCKCHAIN

Used by loan verification agents (VA) to review and certify loan pool data using artificial intelligence, Intain VA module ensures trust in the data about the underlying assets (loans and collateral)

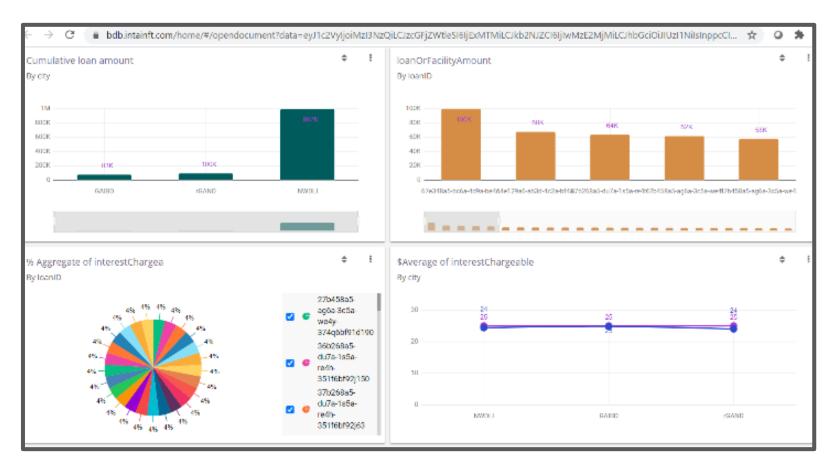
LOAN TAPE CRACKER with master templates that also incorporate requirements of 2019 ESMA regulations



Two Modules that Address Standardization Challenges and Provide Comprehensive, Real-time Reporting



(A) Provide real-time, on-demand, comprehensive, reporting at asset level as a LOAN DATA AGENT

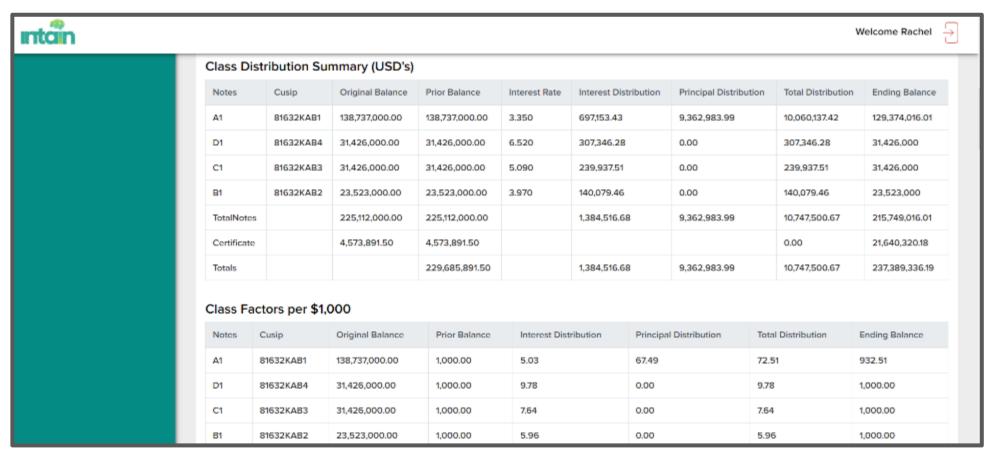


ASSET LEVEL ANALYTICS

In addition to loan and collateral strats for Trustee Reporting, Warehouse providers, Auditors, Investors/Lenders, Investment Bankers / Deal Underwriters and Rating Agencies can get loan level data and analytics on the pool (and across pools) - concentration risks, default rates, variance analysis etc. through an interactive tool

Investors and Issuers can aggregate to portfolio level, slicing and dicing across asset classes, time periods and other criteria

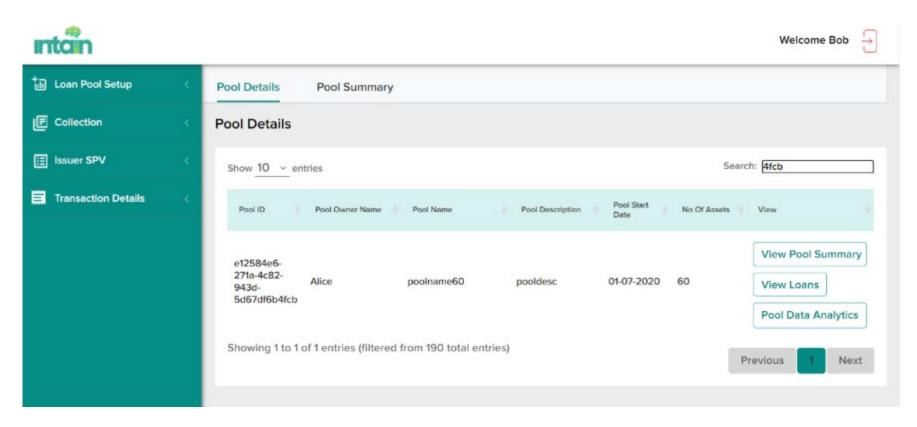
(B) Automate the Payment Waterfall computations with *smart contracts*, as a **PAYING AGENT**



MODEL AUTOMATION

Deal set-up as per governing documents and payment waterfall calculations automated using smart contracts,

Extend to rating agency for rated deals – Surveillance on-chain



RATINGS SURVEILLANCE

Pool Details Available on Chain

– Single Source of Truth for
Issuer, Investor & Rating
Agency

Asset Details Available on Chain – Structure, Collateral, Payment History

Providing data, clarifications, follow-ups is just one log-in

WSFS taps blockchain firm Intain to automate capital markets transactions



by Suman Bhattacharyya

March 11, 2020

in Business Banking, Wealth Management Reading Time: 2 mins read



WSFS Bank is working with Intain, a blockchain firm based in Chennai, India, to help automate capital markets transactions. The Wilmington, Del.-based bank, a subsidiary of WSFS Financial, said it's using Intain's blockchain-based tool to facilitate trustee reporting for asset-backed

First to blockchain-enable Trustee (Paying Agent) function in Structured Finance

Custodians leverage AI to automate verification of off-chain assets – solving on-ramp challenge

UMB Financial Corporation Becomes First Bank to Deploy Intain's Verification Agent; Activates Key Module of Administration Service for Structured Finance

NEWS PROVIDED BY Intain Inc --May 24, 2022, 00:00 FT SHARE THIS ARTICLE







Intain Augments Admin Service with Verification Agent, Employing Artificial Intelligence for Large-Volume Automated Loan Processing to Substantially Reduce Potential Errors

NEW YORK, May 24, 2022 /PRNewswire/ -- Intain Inc., a leading blockshain-enabled structured finance platform fo

LEADING THE DIGITIZATION OF STRUCTURED FINANCE WITH AI AND DIGITAL LEDGER TECHNOLOGY

Trustee Eyes Intain For Blockchain Job

Wilmington Trust is looking to partner with Intain Technologies to develop blockchain technology the trustee would use to enhance a range of securitization processes including data management and document storage.

Wilmington, among the leading trustees for structured-finance transactions, has spent several years designing distributed-ledger applications for securitization - including a tool to streamline document storage and access for investors in multiple asset classes. It's now in talks with Intain, which specializes in blockchain technology for structured finance, about writing code that creates applications for the project.

Wilmington's goal is to standardize data obtained from multiple entities, eliminate reconciliation and automate reporting of information including the payment waterfall. The document-storage function would encompass representations and warranties, underwriting guidelines and servicing parameters. Once Wilmington and Intain sign a contract, they could



Wilmington Trust, part of M&T Group, announced using Intain for automated and seamless admin on blockchain IntainMARKETS was piloted with Wells Fargo, selected from innovations across digital technologies

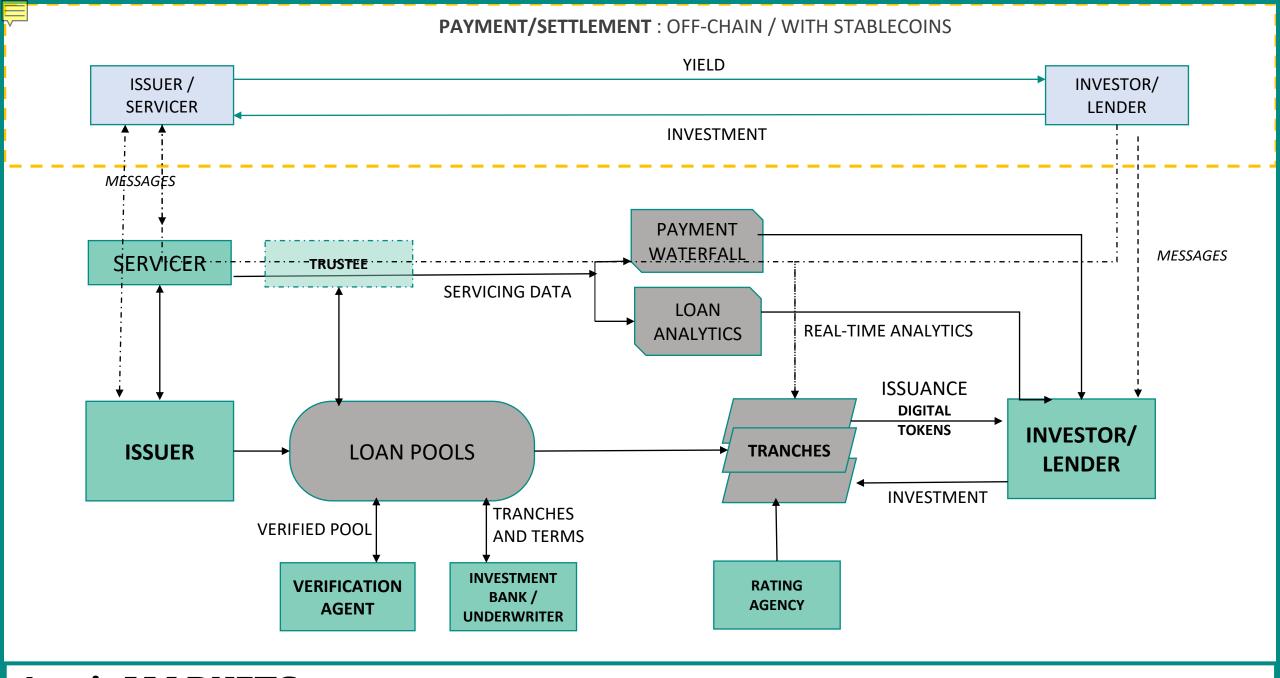
Wells Fargo Selects Blizzard Portfolio Company Intain as a Finalist in its Innovation Challenge 2022

Intain is building blockchain-enabled digital platforms for transparency and efficiency in capital market transactions, with an initial focus on structured finance. Intain's first platform, IntainADMIN, has revamped structured finance administration. Built on Avalanche, IntainMARKETS extends IntainADMIN by adding tokenization and marketplace features, facilitating the creation of fully digital, institutional-grade structured

More Enterprise & Institutional Highlights

- Amberdata to deliver comprehensive data on Avalanche to institutions
- Security Token Market & Securitize are bringing the first-of-its kind tokenized crowdfunding

IntainADMIN Digitized Structured Finance Administration using AI and DLT Now IntainMARKETS Enables Issuance of Digital Securities



IntainMARKETS – ISSUANCE OF DIGITAL ABS AND INTEGRATED ADMINISTRATION

IntainMARKETS benefits from a library of deal structures already administered by Intain

SAMPLE DEAL STRUCTUES BEING ADMINISTERED THROUGH SMART CONTRACTS				
	DEAL 1	DEAL 2	DEAL 3	
TRANCHES	Senior : A1,A2, AIOS Subordinate : C	Senior : A1,A2,AIOS Subordinate : M1, M2, C Exchangeable : C1	Senior : A1, A2 Subordinate : M1, C	
TRIGGER EVENTS	Net WAC Trigger, 60+ Delinquency Trigger, Overcollateralization Trigger, Class A Sequential Pay Trigger Event, Amortization Event, Indenture Default Event	60+ Delinquency Trigger, Cumulative Loss Trigger, Early Termination Event, Amortization Event, Servicer Default Event, Indenture Default Event, Early Redemption Event	60+ Delinquency Trigger, Cumulative Loss Trigger, Early Redemption, Indenture Default Event	
OTHER CONTACT TERMS AND CALCULATIONS	Overcollateralization Amount, Class A1 Credit Enhancement Percentage, Optimal Principal Distribution Amount, Class A Target Amount, Required Reserve Account Balance, Optimal Revolving Period Reinvestment Balance, Factors	Exchangeable Notes, Class A1 Credit Enhancement Percentage, Class A Target Amount, Optimal Principal Distribution Amount,overcollateralizatio n Amount,Factors	Weighted Average Coupon, Net WAC Rate, Overcollateralization Amount, Class A/M Principal Distribution Amount, Cumulative Loss, 60+ DQ Percentage, Factors	

Intain has achieved mainstream adoption because it is built with the Institutions, for the Institutions; addressing their key concerns

- A Digital Solution that uses blockchain, not a Blockchain Solution
 - Off-chain (Loan Verification, Loan Servicing) and On-Chain automation for key tasks of various stakeholders
 - Suite of digital technologies with integrated document reading AI, analytics and data visualization and other digital technologies as part of the overall platform

Designed for regulations of today

• Enables required intermediaries, making them efficient through automation, rather than create regulatory and compliance risks through a utopian 'trustless' system

Innovation with responsibility

- In a world of blockchain ventures, with 'anon' employees, Intain is ISO27001:2013 certified for information security practices
- Assessed through rigorous vendor risk management procedures of regulated US financial institutions

Leadership team with background in financial services

• In a blockchain world of punters and plumbers, Intain team took a plumber-like approach building technology components core to the infrastructure, before launching the issuance platform

Architected as technology of today, eliminating adoption risks through solution design and choice of technology components

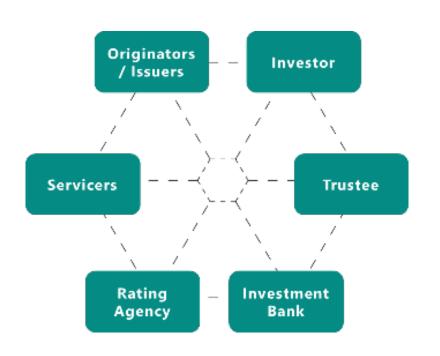
- On a **Permissioned Network**, using Avalanche Subnets:
 - Completely US hosted infrastructure ensuring data resides within US geography
 - Validators chosen by network participants, must be US entities/individuals who pass a KYC/AML check
 - Can be required to hold specific licenses
 - Token economics specific to the subnet with no gas fees for a public chain
- Architected to trusted methods, eliminating unproven/risky technology components
 - No transfer of assets or tokens on bridges
 - Ability to choose any digital cash/currency, with exposure limited to transaction processing time

More details on IntainMARKETS design are available in a three-part series here PART 1 — STRATEGIC APPROACH AND SOLUTION DESIGN

PART 2 — ONBOARDING ASSETS ON-CHAIN, WITH TRUST AND EFFICIENCY

<u>PART 3 — TRADITIONAL FINANCIAL INVESTMENTS ON BLOCKCHAIN - HOW TO PAY AND SETTLE?</u>

In a nutshell...



ONE VERSION OF TRUTH	From loan documents onwards, there is a single source of truth across parties and across transactions	
PROCESS AUTOMATION	From loan documents onwards, there is a single source of truth across parties and across transactions	
TRANSPARENCY & COMPLIANCE	Reporting, process flows, payment waterfalls are all automated using smart contracts	
FUTURE READY FOR DIGITAL SECURITIES	For tokenized structured finance, IntainADMIN forms the administration infrastructure for IntainMARKETS	

Contact

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