



Loan Solutions

IHS Markit's comprehensive solutions
for syndicated and leveraged loans

IHS Markit is the provider of choice to the loan market.

With our long experience in the asset class and superior capabilities, we anticipate where the industry is headed and make strategic decisions to ensure clients' success.

IHS Markit delivers a comprehensive and customizable set of software and services for loan market participants.

Our solutions support credit research, investment analysis, connectivity, trade settlement, and portfolio administration.





Pricing and Research

IHS Markit loan pricing and reference data provides investment professionals with the information they need across the industry's broadest range of loan facilities.



Investment Analysis

Our data analysis and workflow management solution centralizes the alternative credit and private equity investment process.



Multi-asset Investment Management

thinkFolio is a multi-asset investment management platform delivering modelling, seamless trading, compliance and cash management. thinkFolio delivers unrivalled fixed income and credit capabilities, including a sophisticated set of analytics and modelling tools to drive better-informed decisions.



Trading and Settlement

Loan Settlement is a powerful and fully-featured set of electronic platforms and complementary services that enables counterparties to settle syndicated loan trades.



Portfolio and Agency Administration

The Wall Street Office suite of products provide an integrated set of loan portfolio software solutions and services that enable asset managers, agents and trustees to easily manage and report on their complex loan portfolios.



Messaging and Data Services

Our platforms help clients maintain accurate portfolio data through the integration of agent bank notices and reconciled position information.



KYC and Counterparty Management

Our services enable firms to meet regulatory requirements with advanced tools for KYC and document management throughout the trading lifecycle.



Syndication and Agency Platform

DebtDomain is our web-based deal management system covering primary, secondary and agency functionality. The platform includes both sole and joint bookrunning, pipeline reporting and secure document distribution with an integrated investor CRM tool powered by a database of more than 450,000 loan market contacts.



Pricing and Research

A comprehensive source of loan data

IHS Markit provides an array of products to support research and analysis for syndicated loans and credit products.

Our information products enable investment professionals to uncover investment opportunities, compare assets, structure products and benchmark performance.

KEY STATS

22,200+

reference data for
loan facilities

5,500+

loans with current
contract data

15+

years of pricing history

6,200+

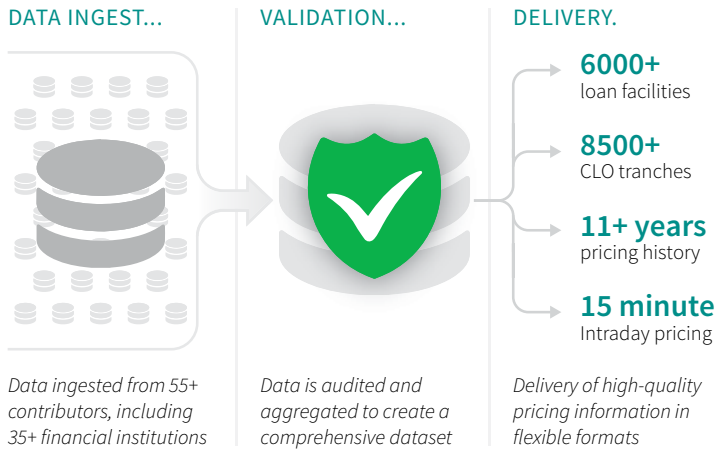
loan facilities priced

10,000+

CLO tranches

8,300+

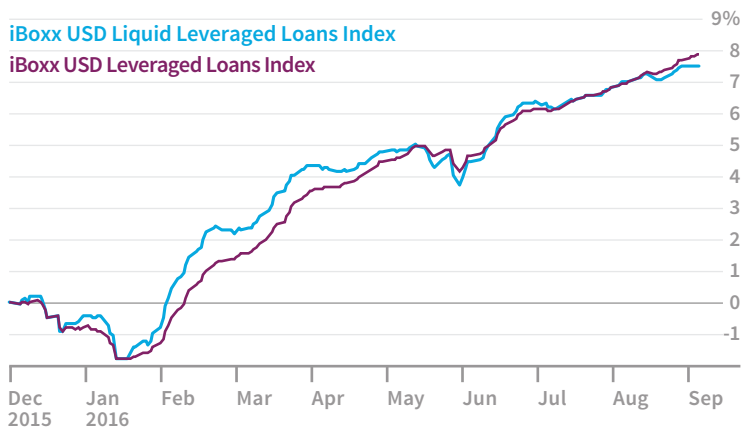
Loan facilities with credit
agreement verified



Independent Pricing Data

IHS Markit provides independent bid-offer pricing and liquidity information for more than 6,000 loan facilities globally. We source prices from market participants, our proprietary pricing technology and our experienced analysts.

Our CLO Pricing Data covers more than 8,500 investment grade, mezzanine, and equity tranches of US and European CLOs. We also provide independent evaluated pricing services for illiquid debt and other hard-to-value instruments.



Trusted Loan Indices

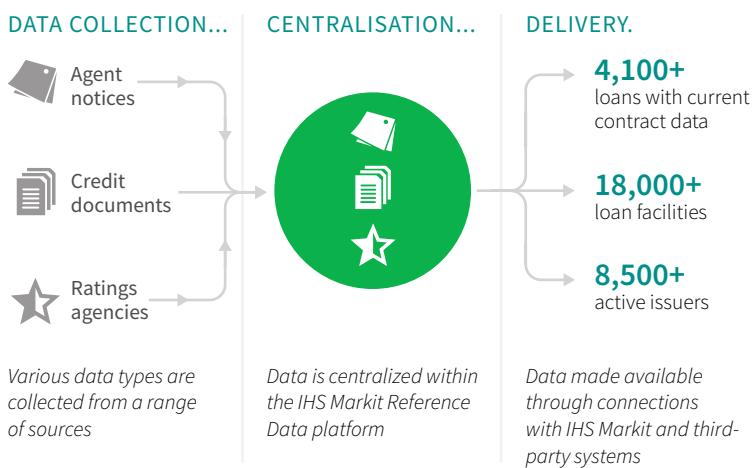
IHS Markit uses its extensive loan datasets to develop, calculate and deliver independent and objective loan indices to support trading, product structuring, and benchmarking.

iBoxx USD Leveraged Loan Index (LLI)

USD universe of leveraged loans

iBoxx USD Liquid Leveraged Loan Index

100 most liquid, tradable USD leveraged loans



Detailed Loan Reference Data

IHS Markit's loan reference data includes granular covenant details and real-time corporate action data for more than 18,000 public and private loans.

Our data is sourced from credit agreements, agent notices and public filings and is validated and actively monitored for updates through the life of the loan.



Multi-asset Investment Management

Manage loans, CLOs and multi-asset portfolios on a single platform

Given the nuances and unique characteristics of each loan, fund managers require sophisticated tools to support their investment decisions. The ability to project future cashflows and run what-if scenarios, which model everything from prepayment and default risk to changes in reinvestment rates, can be a crucial factor in selecting the right investment.

Users are given the ability to manage underlying contracts, including PIK, TRS and capitalizing loans. Sophisticated modelling capabilities ensure fund managers can model and plan for the impact of key events, from early repayments to rate shocks. The platform includes robust cash management functionality.

Firms can implement thinkFolio as a single, integrated investment management platform that supports their entire front office. Due to the flexible and modular design, they also have the option of deploying the platform for specific functional use cases or assets classes.

KEY STATS

4,000+
Users globally

\$4 trillion+
Combined AUM of clients

thinkFolio

The thinkFolio multi-asset investment management platform delivers a number of important benefits including:

Flexibility

Modular functionality empowering fund managers and traders to seamlessly monitor and implement investment ideas.

Operational efficiency

Streamlines investment operations, cutting both complexity and cost.

Connectivity

Broad integration capabilities across data vendors, execution management tools, and middle- and back-office systems

Regulatory interfaces

Out-of-the-box interfaces to support MIFID II trade reporting requirements, UCITS and in-house regulations.

Risk mitigation

Reduces exposure to unsupported or unintegrated third-party and internal applications.

Reduced technical footprint

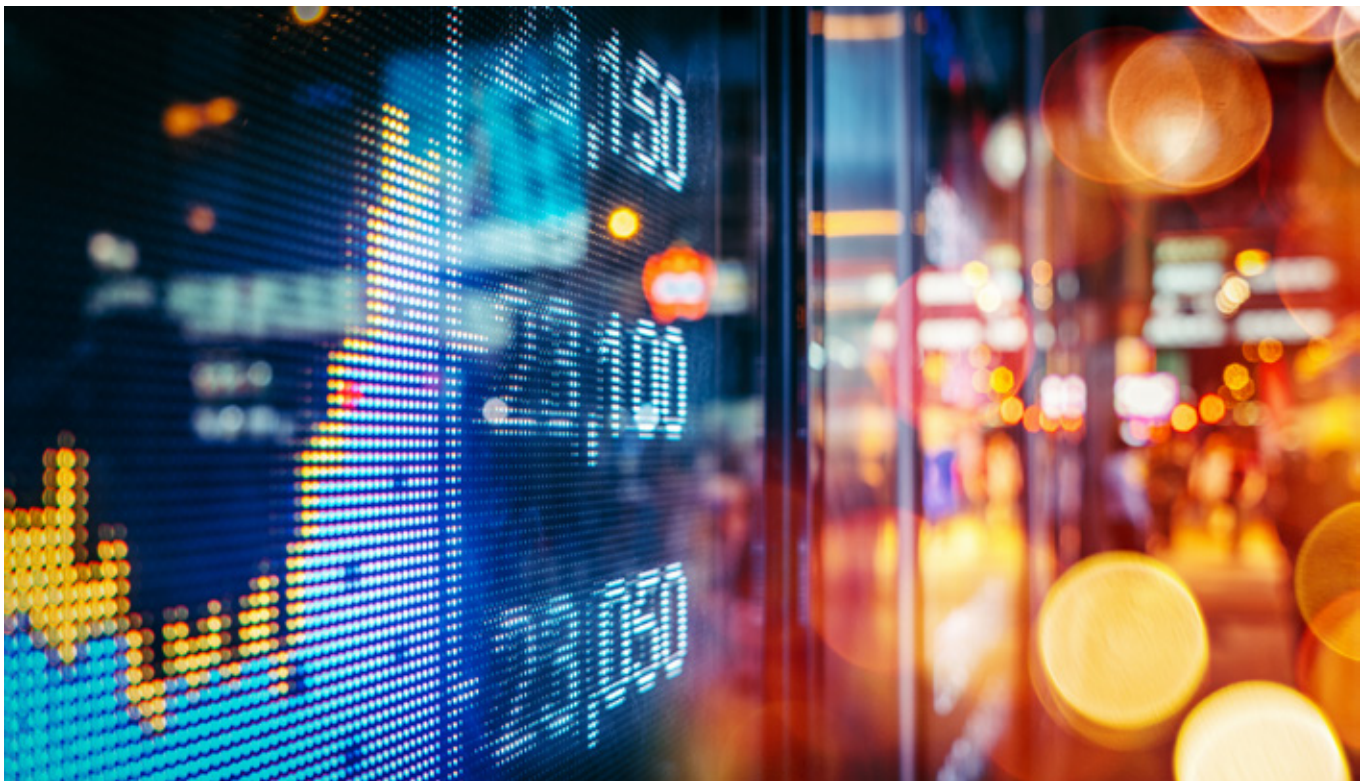
Creates a single platform for portfolio management, trading, cash management and compliance.

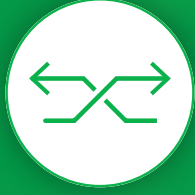
Scalability

Managed service deployment allows firms to scale up (or down) their use of the cloud as their needs evolve.

Access to IHS Markit solutions

Integration with a range of other IHS Markit products and services, including WSO, loans pricing and reference data services .





Trading and Settlement

Settlement platforms and services that power the loan market

Loan Settlement is the hub at the center of the syndicated loan market. Our technology streamlines and centralizes the complicated process of loan trade settlement.

The result is a platform that helps buyers, sellers, agent banks, custodians and legal professionals execute fast and efficient straight-through trades.

KEY STATS

\$7.8 trillion+

€462 billion+

£49 billion+
loan transfers settled

7.8 million +
loan transfers settled

13,000+
credits settled

85+
electronically integrated institutions

TRADE ENTRY...



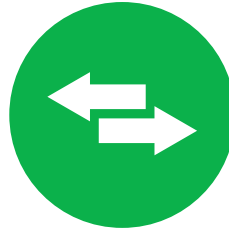
Buyside Trade



Sellside Trade

Buyside and sellside institutions submit trades to IHS Markit via system-to-system messaging or manual entry.

TRADE SETTLEMENT...



Settlement platforms efficiently confirm data, create documentation, and perform agent checks.

MESSAGING AND DOCUMENT DELIVERY.

Trading parties

Agents

Custodians and Trustees

Finalized documents and messages delivered to parties, agents, and custodians.

Efficient settlement

Our technology enables buyers and sellers to efficiently settle trades, which translates into reduced risk and increased operational efficiency.

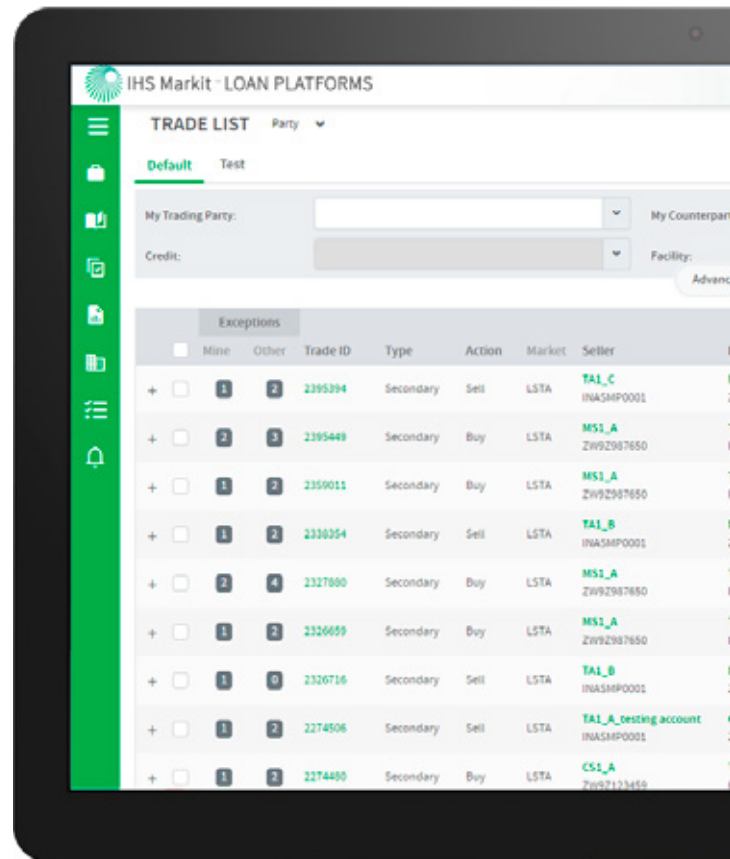
The platform matches and confirms trades, securely delivers data and documents, and enhances settlement certainty in every trade.

Portfolio software integrations

The platform is interconnected with portfolio management software platforms including WSO. These connections help clients simplify workflows and eliminate manual tracking activities.

New technology

IHS Markit is pushing forward the technology of loan settlement with platform enhancements that speed settlement times and enhance liquidity in the market. We are linking trade settlement with position reconciliation, easing integrations with custodians, and keeping up to date with the latest trading standards.





Portfolio and Agency Administration

Powerful software tools for managing loan assets

WSO offers an integrated set of software, data, and outsourced service solutions that enable customers to easily manage their complex loan portfolios.

Our modular products allow for both flexible in-house management or an outsourced service offering that can be tailored to the needs of any customer. These products integrate seamlessly with Loan Settlement Manager throughout the complete trading lifecycle for both buy-side and third party customers and have robust reporting and compliance capabilities.

WSO Software Suite

The WSO suite is the industry's most widely deployed solution, providing a single platform for asset management, reporting and CLO compliance throughout the complete loan lifecycle. Our software is available in an installed version or as a hosted solution. The platform supports all aspects of loan management in a scalable solution that decreases operational expenses while reducing risk.

KEY STATS

90+
clients

\$1 trillion+
AUA

6 modules
with granular security and
custom configurations

Hosted or Installed software

WSO Administrator

The core product in our portfolio management suite, WSO Administrator provides customers with functionality to track a large number of assets, positions and portfolios by streamlining the data entry process and, at the same time, creates an audit trail of all processed transactions across the system. User friendly wizard based transactions and linking positions across assets support complex loan activity, including: multi-currency, rollovers, paydowns, spread changes, PIK and restructures for both term loan and revolving facilities. WSO Administrator also allows tracking of referential information including market prices, ratings, industry codes and default dates.

WSO Agent

WSO Agent enables agent banks to administer syndicated loans, direct lending and other structured deals from origination throughout the lifecycle of the assets. Deal administration and servicing, user-friendly wizard-based transactions, cash management, and correspondence with all parties, including the borrower and lenders, are supported in the product. Customization is available for company logos and delivery options for borrower and lender memos include emailed notices or FpML.

WSO Accounting

Data is translated from WSO Administrator into accounting entries for downstream use in general ledger systems.

WSO Compliance

Comprehensive compliance modelling supports a wide variety of structured vehicles including CLOs and other managed accounts.

WSO Interfaces

party data providers or system agnostic sources eliminate manual entry for trades and key front office information including: trades, pricing, industry codes, ratings and exchange rates.

WSO Reporting

Robust reporting solution provides 160+ standard reports, detailing position holdings, trades, cash, performance, market value and other key calculations and metrics for back to front office use. Options also exist to customize standard reports or create your own reports using tools built into the Reporting application.

WSO Hosting Services

WSO Hosting Services provides an efficient, cost-effective and scalable way to implement our software without upfront investment in IT infrastructure. The solution is continuously updated as new features become available, eliminating the need for manual upgrades, providing the fastest access to enhanced functionality. Our cloud solutions are built on the leading cloud services of Amazon Web Services (AWS). The underlying AWS infrastructure provides maximum scalability for clients on a trusted cloud computing platform.

WSO Services

KEY STATS

244+
clients

\$500 billion
AUM tracked in WSOWeb

325+ bank deals/
565+ facilities tracked

20k+ allocations/ 7k+
master trades settled per month
using our Trade Closing Services

8+ clients using outsourced
Compliance Services

WSO Services help customers streamline their business processes with full outsourcing options available for back- and middle office functions. Our teams of loan experts can service your portfolios and positions, close your trades, research and resolve position or cash discrepancies, handle deal management and lender/borrower communication for agents, or monitor compliance requirements resulting in increased accuracy, reduced risk and efficiencies and cost saving for customers. We consult with customers to design bespoke processes that maximize efficiency and can support even the most sophisticated structures. Our extensive capabilities allow us to create highly customized and relevant services for all types of clients. Our service offerings include:

CAPABILITIES

Agency Outsourcing

Asset and Portfolio Servicing

Cash Reconciliation

Compliance

Counterparty Management

Trade Closing



Messaging and Data Services

Networked data platforms that empower agents, lenders and trustees

IHS Markit provides several powerful data exchange platforms that support trading and portfolio administration in the loan market: Notice Manager processes and distributes notices from agent banks and our solutions for portfolio reconciliation keep position data accurate and up-to-date.

KEY STATS

115 million+

notices categorized since 2005

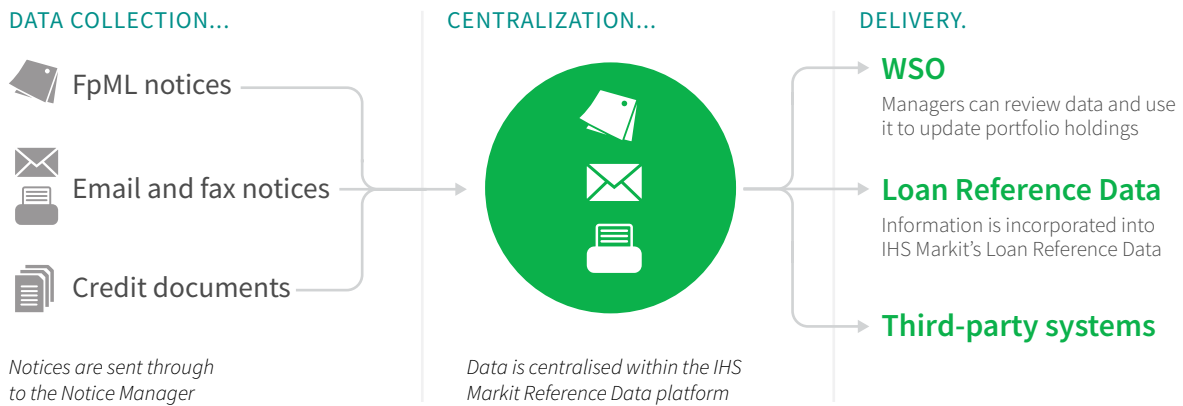
16 million+

notices received last year

Agent Notices and Reference Data

Notice Manager enhances the ease of operations by providing access to updated information about bank loan holdings in a secure platform and from a single, validated source. Notice Manager processes and stores agent bank notifications sent via FpML technology and a wide variety of other formats.

The Notice Manager platform also transforms Agent Notices into XML and FpML format to allow Straight Through Processing (STP) of loan servicing activity by WSO and other consuming systems. This further improves operational efficiencies while reducing risks from manual entry.



Portfolio Reconciliation

IHS Markit provides two solutions that enable lenders and agent banks in the syndicated loan to validate position information as loan assets are traded or pass through lifecycle events.

Markit Loan Reconciliation is a portal which operates as part of our integrated loan platform. It provides agents and lenders with a central platform to reconcile their position records at the facility level. The application automates the matching of commitment balances, simplifies the resolution of discrepancies, and creates a detailed audit trail. Positions uploaded to the platform are also used to automatically generate affiliate letters in ClearPar when needed.

10+
agent banks contributing data

10,300+
trade accounts reconciling positions

WSO's Reconciliation Service provides a hosted reconciliation solution staffed by a team of experts. We consolidate data from multiple sources and utilize streamlined processes for identifying and resolving exceptions as well as managing communications with third parties.

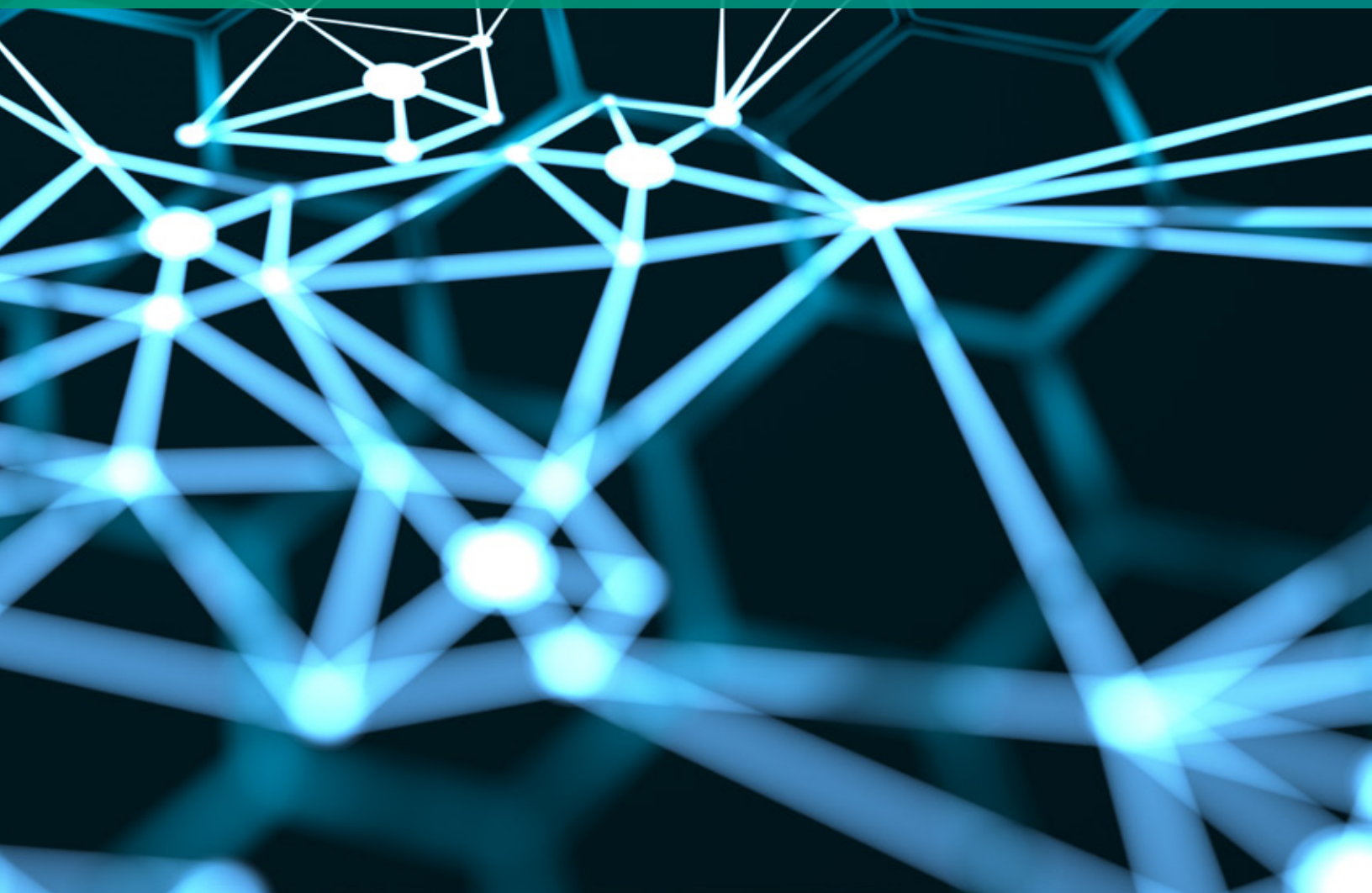
35k+
positions managed every month



Counterparty Management

Networked data services that empower market participants

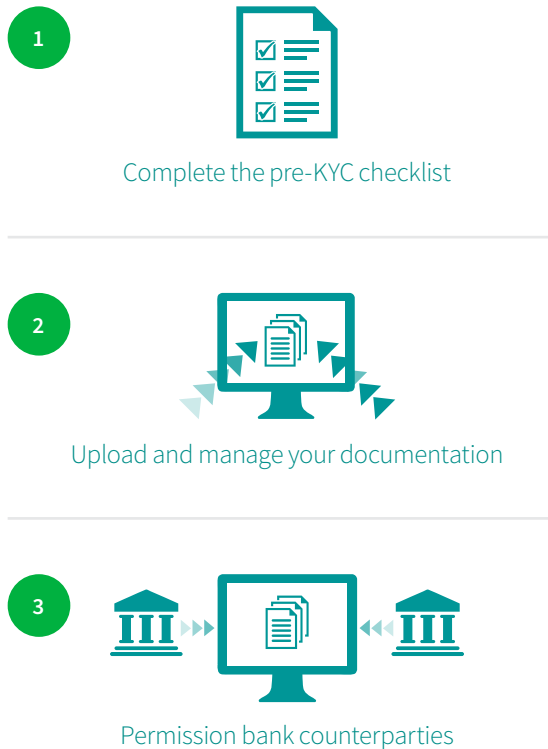
We help firms meet regulatory requirements and increase efficiency throughout the trading lifecycle with advanced tools for KYC and document management.



KYC Services

KYC Services is a core component of the overall IHS Markit due diligence workflow process for brokers, custodians, corporates, fund admins, managers and service providers. Our market leading solution is built on Counterparty Manager, enabling firms to automate validate, and integrate KYC Data using our technology. Leverage existing industry policies and customize to meet your firms specific requirements, using our managed services. KYC Services enables organizations to:

A simple process to upload and securely permission your data

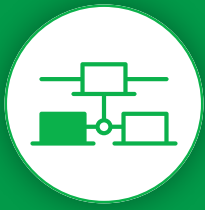


- Access official public data sources across multiple jurisdictions
- Leverage a secure platform to manage and exchange client KYC information
- Improve client experience through maximization of public information
- Implement processes across client types and regions
- Allow automation and data sourcing to reduce the operational burden on your staff and improve employee experience
- Decrease manual time-consuming communication by utilizing technology and electronic process management



Counterparty Manager

Counterparty Manager is a comprehensive service that allows firms to engage with their counterparties, exchange and track entity and onboarding information securely and address your regulatory compliance requirements. The platform allows users to upload, disseminate and maintain over 250 document types across 50 categories and supports the documentation requirements of essential processes including KYC, AML, credit, legal and tax requirements.



Syndication and Agency Platform

Full suite of solutions for managing the entire syndication, secondary trading and agency processes

DebtDomain is the leading global platform in web-based systems helping banks and institutional investors address vital workflow needs across the entire lifecycle of a syndicated loan. Our easy-to-use workflow tools, integrated with our class-leading virtual data rooms, allow deal arrangers, trading desks and agents to securely distribute deal documentation, manage contacts, track investor feedback, meet compliance requirements and administer ongoing financial reporting obligations.

KEY STATS

43,000+
deals launched

4.7 million+
login per year

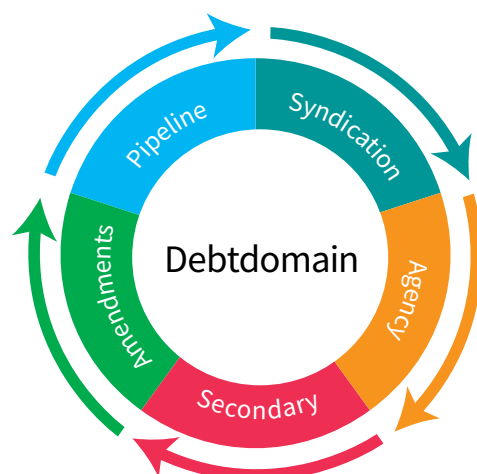
30 million+
docs accessed last 12 months

334,000+
contacts in global
curated database

7.9 tb
active documents

350+
clients

DebtDomain's Integrated Deal Lifecycle Solution



Integrated Workflow

At the heart of the DebtDomain platform are secure virtual data rooms (VDR's) meeting the highest industry security standards. Our VDR's are tightly integrated with our class-leading workflow tools for managing the entire loan syndication process. Arrangers, traders and agents can easily create deal sites based on time-saving templates and leverage convenient features like drag & drop uploading, bulk contact linking and intuitive permissioning. Our deal sites support presentation-quality reports covering a wide range of metrics such as deal progress, investor/lender status, document access and public/private declarations.

Syndication Sites

Built specifically for managing the primary syndication process, our Syndication Sites offer sole and joint bookrunning capabilities to capture commitment and allocation levels, investor comments, and syndication progress. For jointly-arranged deals, varying levels of information sharing amongst co-arrangers is supported. Customizable borrower reports showcase syndication progress and investor feedback.

Agency Sites

Agency Sites are used for the dissemination of information to lenders of record post-close through maturity. Our integrated financial monitoring calendar facilitates the retrieval of information from the borrower and supports automatic email reminders integrated with our document management tools. Additional tools allow agents to create, track and record waiver and consent requests using built-in, Excel-like tools. Integrations with back-office loan accounting systems automate much of the manual work usually associated with Agency Site maintenance.

Secondary Sites

For sell down or trading activity, Secondary Sites provide the ability to easily track secondary market prospects and support automatic deal site expiration after a pre-determined period.

Investor CRM

Our CRM is a powerful and efficient tool for keeping a loan sales and syndicate team up-to-date with investor feedback across an entire loan portfolio. Investor activity across deals can be easily queried and mined for intelligence.

Pipeline Reporting

As no two clients view the market the same, DebtDomain supports a high degree of customization by allowing each client to capture deal-related data relevant to their business. This flexibility drives our Pipeline reporting engine which has been leveraged for a variety of uses including tracking revenue, underwriting risk, capital usage and other KPIs.

Compliance Solutions

Our compliance solution provides real-time reporting of document accesses by staff members to Control Room personnel. It includes an optional module that allows the pre-emptive controlling of public/private declarations to ensure compliance with MNPI obligations.

Loan Ownership

The most comprehensive, timely and transparent institutional loan ownership data available accessible directly from within DebtDomain. Our data covers 75% of the outstanding market.

About IHS Markit

IHS Markit (NYSE: INFO) is a world leader in critical information, analytics and expertise to forge solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 business and government customers, including 80 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.

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