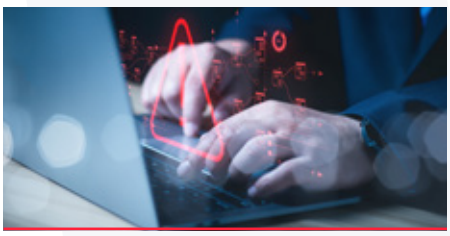
SOLUTION BRIEF

ABBYY

Document Fraud Detection

Stop fraudulent documents before they enter your systems and trigger downstream risk

Ensure every document entering your organization is authentic and trustworthy by combining Document AI, advanced forensic checks, and Process AI to detect fraud early and expose process risks. The result is fewer losses, stronger governance and compliance, and frictionless customer experiences.



Key challenge

Bad actors are leveraging sophisticated tools to create fraudulent documents that can easily bypass manual checks and conventional document processing. These forgeries often involve subtle digital manipulations—such as pixel-level alterations, metadata tampering, and font inconsistencies—that are invisible to the naked eye.

For enterprises in high-risk sectors like banking, insurance, and government, the inability to detect this fraud early can lead to significant financial losses, regulatory penalties, and a loss of customer trust. Relying on disparate, non-integrated systems for document processing and fraud analysis creates data silos, process inefficiencies, and a fragmented view of risk.

This fragmentation makes it difficult to support the growing industry shift toward FRAML (fraud, AML, and risk management) convergence, where fraud, AML, and KYC controls are expected to operate on shared, high-quality data and consistent authenticity checks.

Solution

ABBYY solves this challenge by combining its market-leading Document AI platform for intelligent document processing (IDP) with powerful document forensics solutions designed to effectively combat evolving fraud tactics.

How to enable early fraud detection

Through flexible, secure APIs, the platform seamlessly integrates with specialized partner solutions that analyze metadata, layout, embedded layers, and other indicators of tampering. Embedding these checks directly into document workflows ensures that authenticity verification happens as documents enter the organization, not after they have propagated downstream.

This architecture gives institutions what modern fraud programs require: consistent controls across channels, high-integrity inputs for downstream systems, and the explainable evidence needed for AI governance and regulatory scrutiny. Trusted document data and tamper-detection signals strengthen both fraud-prevention and AML investigations, supporting organizations that are moving toward more integrated, FRAML-aligned financial-crime controls.

By stopping fraud at ingestion, ABBYY ensures that every document entering a process is both accurate and authentic—preventing compromised data from reaching decisioning, case management, risk scoring, or compliance systems.

Automate fraud prevention and strengthen audit readiness with ABBYY

ABBYY ensures documents are trustworthy at the moment of ingestion and makes risk visible throughout the workflow. With ABBYY IDP, partner forensic checks, and Process AI working together, organizations detect manipulated documents early and uncover process-level risks that manual checks or isolated tools miss.

In this way, enterprises can prevent fraud before it becomes a loss, reduce false positives that drain operational capacity, and strengthen audit readiness—while keeping decisions fast and customer journeys friction-light.

Enterprises achieve:

Enhanced fraud detection: Combine ABBYY's document intelligence with specialized, deep-dive forensic capabilities to identify sophisticated fraud that would otherwise go unnoticed.

Streamlined operations with reduced downstream leakage: Embed forensic checks directly into document processing to automate fraud analysis and remove manual hand-offs. By catching tampered or low-integrity documents at ingestion, organizations prevent rework, unnecessary escalations, and false positives later in the process—improving throughput and service levels across onboarding, lending, claims, and compliance.

Improved compliance and auditability: Maintain a complete, traceable record of each document's journey—extraction, validation, forensic analysis, and routing—with explainable results for regulators. Trusted, high-integrity inputs reduce the risk of downstream leakage, inconsistent decisions, and AI-governance failures.

Enhanced process transparency and optimization: Identify process anomalies like routing errors or rule violations by correlating document risk with workflow behavior. Gain full traceability to strengthen compliance, uncover bottlenecks, and use real-time monitoring to drive continuous process improvements.

Aligned financial-crime controls: Trusted document data and forensic signals strengthen both fraud and AML processes, helping organizations progress toward unified, FRAML-compliant risk management.

Extending document intelligence with advanced forensics

Strengthen your defenses against document fraud. By integrating specialized forensic solutions with the ABBYY platform, you can build a resilient, efficient, and secure document processing workflow.

ABBYY Document AI

- Cleans up inputs (scans, mobile images, poor quality).
- Extracts and structures data from any document.
- Validates fields with rules, cross-checks, and HITL.
- Supports global formats across channels and layouts.
- Provides reliable data for fraud and automation.

Document Forensics

- Spots manipulations at ingestion (layout, metadata, edits).
- Scores document risk with anomaly and fraud signals.
- Detects subtle forgeries (fonts, layers, numbers, AI-generated).
- Provides explanations for auditors and case review.
- Embeds seamlessly into IDP workflows.

ABBYY Process AI

- Exposes process anomalies (routing, sequences, rule breaks).
- Correlates document risk with behavior across the workflow.
- Strengthens compliance with full traceability.
- Uncovers bottlenecks and blind spots in controls.
- Drives continuous optimization with real-time monitoring.

How the integration works

Strengthen your defenses against document fraud. By integrating specialized forensic solutions with the ABBYY platform, you can build a resilient, efficient, and secure document processing workflow.

1 Document ingestion

A document enters the workflow through the ABBYY Document AI platform (e.g., email, mobile upload, hot folder).

2 Intelligent document processing

ABBYY Document AI processes the document, classifying it, and extracting relevant data with high precision. This step establishes a baseline of trusted information.

3 API call to forensic partner

Based on pre-defined business rules (e.g., document type, transaction value), ABBYY Document AI makes a secure API call to a connected partner solution, sending the PDF document or document image for analysis.

4 Specialized forensic analysis

The partner solution performs deep forensic tests, such as analyzing file metadata, detecting digital modifications, verifying font consistency, and identifying other signs of forgery.

5 Return forensic insights

The partner returns a score or detailed analysis results back to the ABBYY platform via API.

6 Unified decisioning

ABBYY consolidates the extracted data and forensic insights, presenting a complete picture for automated decisioning or human review within a single interface. Documents flagged as high-risk can be routed for further investigation, while legitimate documents proceed without delay.

Use cases

Financial Services

Automate the verification of proof-of-income documents, bank statements, and identification cards in loan origination and customer onboarding to prevent application fraud.

Learn more

Insurance

Analyze claims documentation, medical reports, and invoices for signs of tampering or forgery to reduce fraudulent payouts.

Learn more

Government

Validate supporting documents for benefits applications, licenses, and permits to ensure program integrity and prevent identity fraud.

Learn more

Partner with ABBYY

Contact us today to schedule a technical demonstration and learn how our partner ecosystem can protect your business.

ABBYY

For more information, please visit www.abbyy.com
If you have additional questions, contact your local ABBYY representative listed under www.abbyy.com/contacts.

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