FINTELLIX

EARLY
WARNING
SOLUTION

A comprehensive system to proactively assess and monitor borrower credit risk

Rising non-performing loans pose a serious challenge to the financial sector. NPAs could be a result of negative business results, fraudulent behavior or adverse macroeconomic condition. However, the impact of NPAs pose a direct threat not only to financial institution's top line and bottom line but also to its reputation.

With the external factors playing the causal role, gaps in proactive governance and technological innovation have been identified as a major impediment to pre-empt potential delinquency of borrowers.

There is a clear need for a holistic framework for early detection, prevention and reporting of financial stress and frauds. However, the biggest challenge in implementing such measures, remains the availability of data and eventual amalgamation of internal and external data. Some financial institutions have made significant advances on the data front, however, bringing the operational efficiency to manage borrower assessment, regularly monitor risk and recommend actions internally, remains elusive.

Fintellix's Early Warning Solution (EWS) helps banks not only to solve the data puzzle with availability/amalgamation of internal data and external data on the same platform, but also incorporate a complete workflow driven solution for collaboration across teams. Users can continuously monitor risk profiles of borrowers through deeper analysis of the underlying contributing factors using advanced ML models. A recommendation engine also helps to flag accounts for corrective actions in a transparent and an auditable manner.

Highlights

Holistic Data
Combine bank's internal data with multiple sources of alternate external data such as company master data, ratings, credit bureau, legal, newsfeed & social media, etc.

Borrower 360 View
Holistic data provides a single view of customer aiding in comprehensive credit risk assessment at the time of origination.

Loan Monitoring and Borrower Risk Score
Monitor loan portfolio and assess borrower financial health through risk engine.

ML-Powered Algorithms
Machine learning powered algorithms help in increasing the accuracy of risk score engine.

Pre-Packaged Risk Indicators
Pre-packaged risk indicators along with ability to add custom ones.

Configurability
Configure key parameters such as weightage, threshold, etc. to suit your own needs.

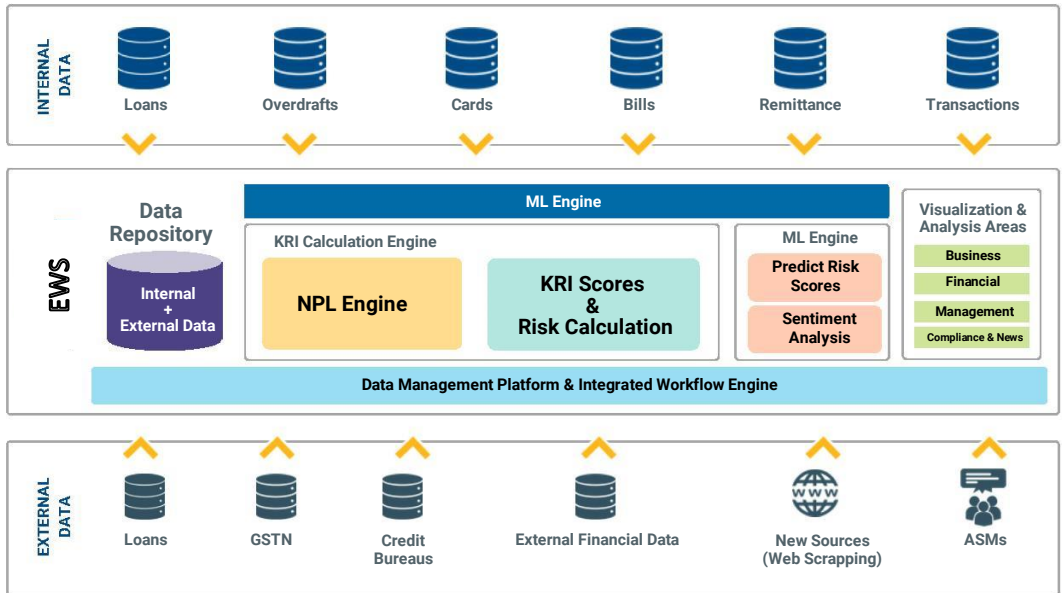**Workflow Management and Audit**
Configurable internal workflows to assign, track and audit actions.

Cloud Enabled
Cloud deployment for cost optimization.

Solution Architecture

INTERNAL DATA	Loans	Overdrafts	Cards	Bills	Remittance	Transactions

EWS

Data Repository

Internal + External Data

ML Engine

KRI Calculation Engine

NPL Engine

KRI Scores & Risk Calculation

ML Engine

Predict Risk Scores

Sentiment Analysis

Visualization & Analysis Areas

- Business
- Financial
- Management
- Compliance & News

Data Management Platform & Integrated Workflow Engine

EXTERNAL DATA	Loans	GSTN	Credit Bureaus	External Financial Data	New Sources (Web Scrapping)	ASMs

Features

Configure	Monitor	Analyse	Resolve

Risk Indicators

- Fully Configurable settings enabling bank to configure critical risk indicators and monitoring parameters at bank, segment and individual customer levels
- Can configure features like external parameters, weights, thresholds, score bands along with risk values

Borrower Risk

- Decision making with comprehensive customer assessment at loan origination
- Continuous customer and Loan Monitoring
- Decision making with early detection of customer financial stress
- View new signals in the cycle as applicable to the customer
- View risk indicator scores at portfolio level
- Sentiment analysis based on news about the Borrower, Company and Related parties
- Using Probability Prediction models to identify the future probable defaults and fraud

Borrower Profile

- Search for customer to view customer risk dashboard
- Easy UI based onboarding of a new customer
- View customer information, risk indicator scores across different analysis areas:
  - Business
  - Financial
  - Management
  - Compliance & Legal
- Drill down each risk indicator score to underlying contributing factors, conditions & measures
- Trend Analysis

User Workflow

- Approve/Reject EWS for customers based on analysis
- Escalation mechanism for critical and unattended EWS
- Define action points for RMs to mitigate risk
- Input outcome of actions taken as feedback loop

Identify borrower's risk at an early stage and perform continuous monitoring of credit portfolio through Fintellix EWS solution built using multiple industry data sources and a robust analytical engine

To learn more about how we can help you, please contact us at

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About Fintellix

Fintellix is a leading provider of data and regulatory solutions. Our solutions include data management, multi-country regulatory reporting, credit risk management and supervisory technology for the financial services industry. Our industry expertise together with our data management proficiency and deep regulatory understanding enables us to solve complex data, risk and regulatory issues for financial institutions. We help maximize the value of data by transforming it into insightful information and analysis that assist our clients in understanding their business performance, managing, and mitigating risks, and meeting compliance requirements while helping them stay ahead in the digital era. Our data management platform is highly scalable and can be implemented to manage the entire life cycle of data for both regulated entities and regulators/ supervisors. Our packaged risk and regulatory solutions help financial institutions meet compliance requirements for specific jurisdictions/ regulations. For more information, please visit **https://www.fintellix.com/**