

Loan application processing and verification

This workflow automatically processes incoming loan applications by extracting borrower data, verifying documents, performing risk assessment, and routing approved applications for underwriting while flagging incomplete or high-risk applications for manual review.

[Download PDF](#)

[Get Your Blueprint](#)

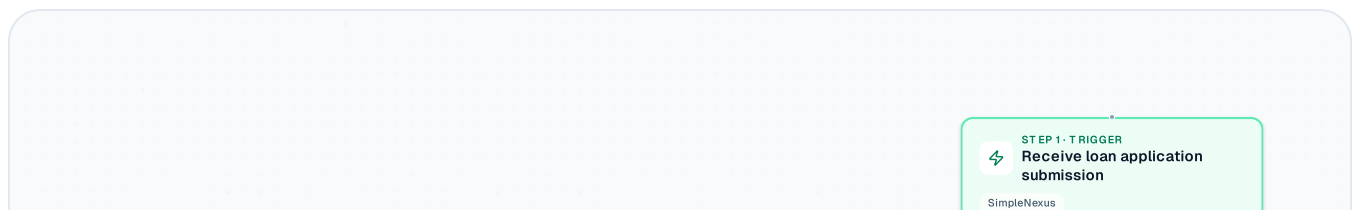


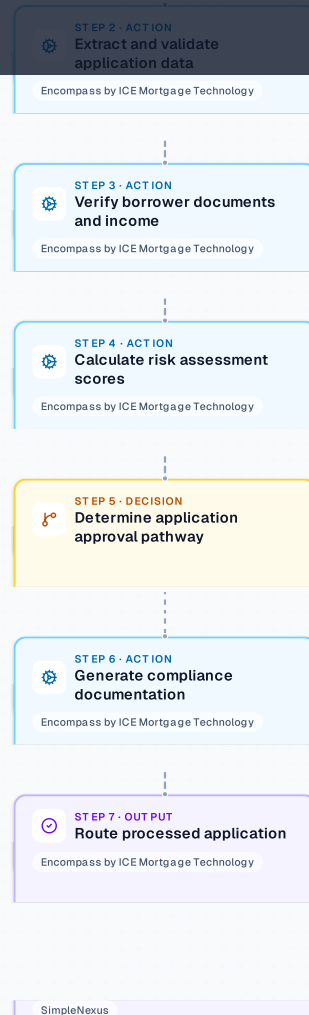
WORKFLOW TRIGGER

New loan application submitted through online portal or branch system

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Receive loan application submission

Customer submits completed loan application with required documents through digital channels. System captures application data and initiates

2

 ACTION

Extract and validate application data

AI automatically extracts borrower information, property details, and financial data from submitted documents. System validates data completeness and formats all information into standardized loan file structure.

Encompass by ICE Mortgage Technology

BytePro

3

 ACTION

Verify borrower documents and income

Automated verification of employment history, income statements, tax returns, and credit reports through third-party integrations. System flags any discrepancies or missing documentation requirements.

Encompass by ICE Mortgage Technology

LendingQB

4

 ACTION

Calculate risk assessment scores

AI analyzes borrower creditworthiness, debt-to-income ratios, and property valuation to generate automated risk scores. System applies lending criteria and regulatory compliance checks.

Encompass by ICE Mortgage Technology

Mortgage Builder

5

 DECISION

Determine application approval pathway

AI Business OS

System evaluates risk scores and document completeness to automatically route applications. Low-risk complete applications proceed to underwriting while high-risk or incomplete applications require manual review.

Encompass by ICE Mortgage Technology

6

 ACTION

Generate compliance documentation

Automated creation of required regulatory disclosures, loan estimate forms, and compliance audit trails. System ensures all documentation meets current lending regulations and internal policies.

Encompass by ICE Mortgage Technology

LendingQB

7

 OUTPUT

Route processed application

Approved applications are forwarded to underwriting queue with complete documentation package. Flagged applications are sent to loan officers with detailed review notes and exception reports.

Encompass by ICE Mortgage Technology

SimpleNexus



Outputs

AI Business OS

- Processed loan file with risk assessment
- Automated compliance documentation package
- Application routing decision with supporting documentation



Key Metrics

- Application processing time reduction
- Document verification accuracy rate
- Automated approval rate



Tools & Integrations

- SimpleNexus
- Encompass by ICE Mortgage Technology
- BytePro
- LendingQB
- Mortgage Builder

AI Business OS

Actionable AI implementation strategies for business leaders ready to transform their operations.

COMPANY

[About](#)

[Industries](#)

CONNECT

[MVP.dev](#)

[LinkedIn](#)

RESOURCES

[Articles](#)