

Break Free from Legacy Al-led Mainframe Transformation with AWS & Pega

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You're not alone.

In the US, \$1.14 trillion is spent every year on maintenance of existing IT investments¹



Teams spend up to **60% of their workdays** bridging gaps between disconnected systems¹

79% of organizations that have embraced real-time analytics reported improved business outcomes, with revenue growth averaging 15% over just a year²

Legacy maintenance accounts for **57% of overall IT investment** in the US.³

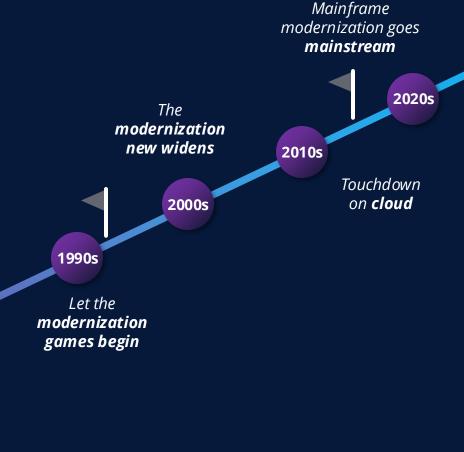
Mainframe modernization

A tale as old as time

Start of the **modernization**

revolution

1980s



Birth of Z 1970s

COBOL 1960s Competition and Clones

1950s



Replicate & leverage data

Make mainframe data available to cloud applications



Replatform

Port application to doud with minimal changes



Refactor

Automated conversion to functionally equivalent apps in modern languages





Repurchase

Replace application with a software package



Rehost

Lift & shift unchanged applications to partner-hosted mainframe



Retain

When no business case for migration, defer modernization to the future

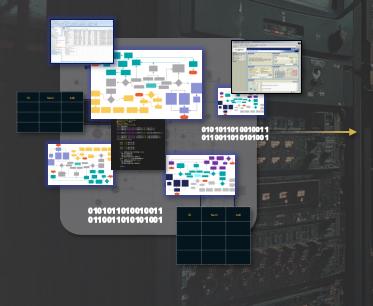


Retire

Decommission or remove redundant applications



Modernization status quo



Drawn out evaluations



Swimming in analysis

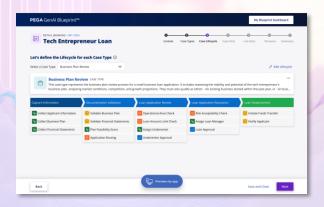
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Legacy code to...

more of the same?

Transformation reimagined





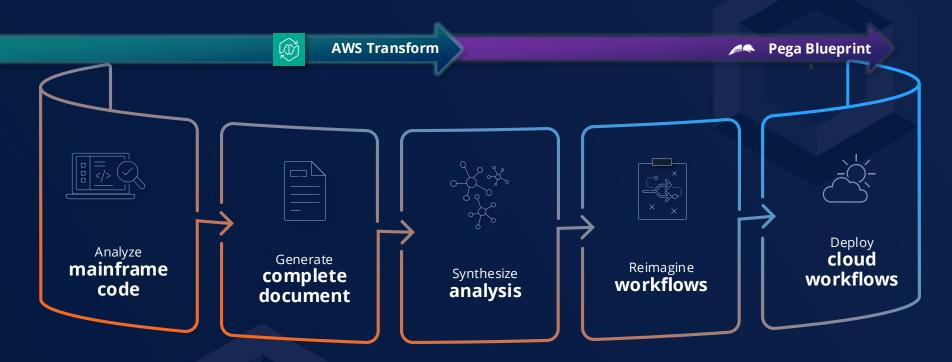


Rapid
Analysis
AWS Transform

Understand & reimagine
Pega Blueprint

Future-proof
Architecture
Pega Platform

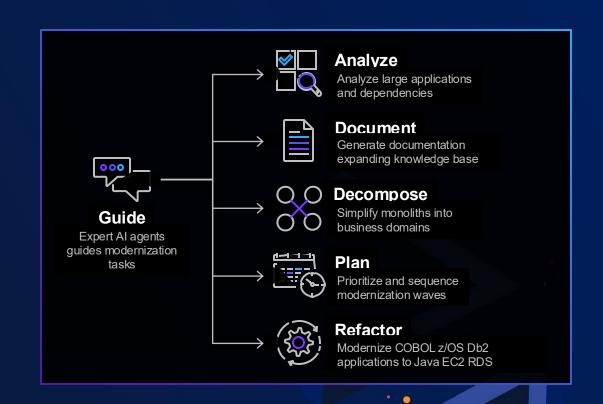
Rapid, AI-led Mainframe Modernization





AWS Transform for mainframe

The generative Al assistant for large-scale modernization of mainframe applications







CODE ANALYSIS

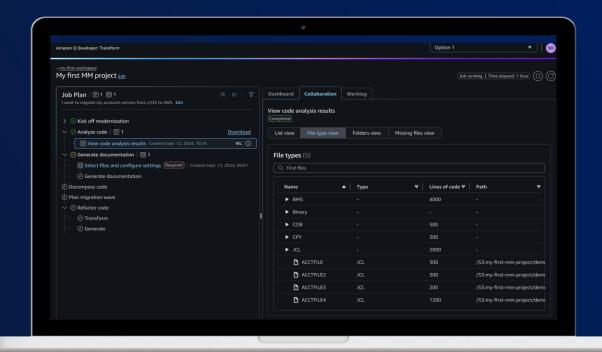
Cyclomatic complexity

Dependency analysis

Identification of missing artifacts

Graphical representation

Automatic code category identification



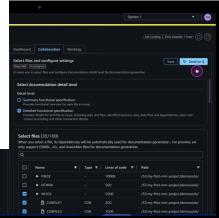


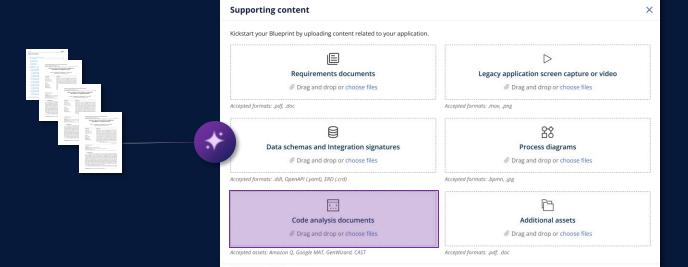


DOCUMENT GENERATION

Custom acronym expansions
Component based
Persona driven
Context awareness
Business logic summarization
Flow representation
Knowledge base integration
with chats







Cancel

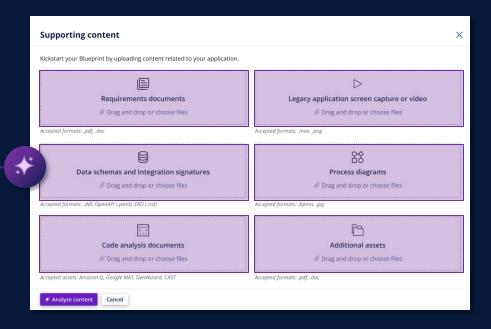
Extract
core data,
rules &
logic
from
AWS Transform
documentation







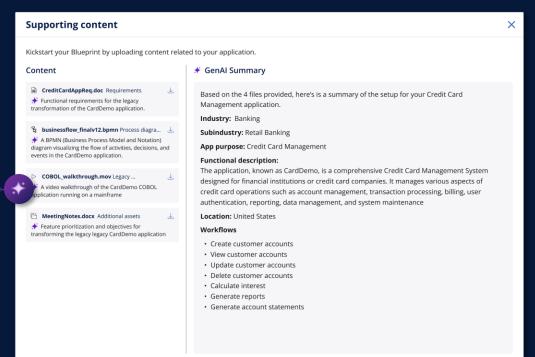




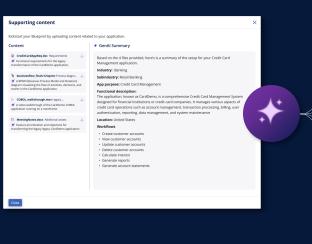
Supplement with process & user needs from Videos, documents, &

more





Unlock
End-to-end
insight
across sources





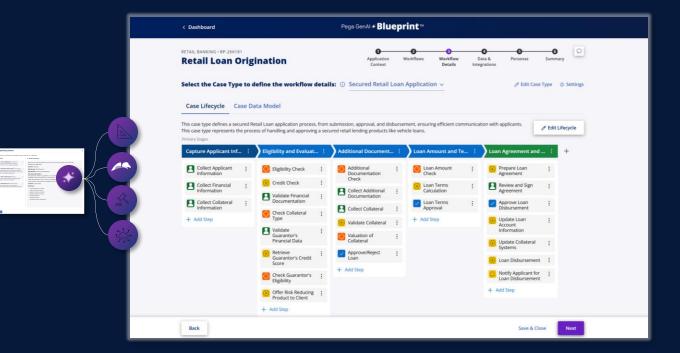
Organizational expertise & best practices

Pega expertise & best practices

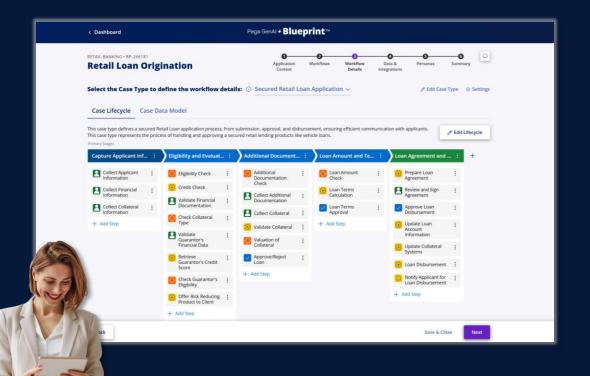
Regional standards & regulations

Broad industry best practices

Synthesize with **Best** practices



Instantly generate a **Blueprint**



Reimagine Collaborate Adapt

Deploy

Let's **see it** in action



Rapid, Al-led Mainframe Modernization



COST REDUCTION

Automation of tasks
Increased SME efficiency
Improved efficiency



FASTER PROJECTS

Faster decision making
Al driven modernization
Sequence wave planning

GenAl Mainframe Domain Expert Agent as team member



BETTER MODERNIZATION RESULTS

Human in the loop

Simplified modernization

Governance and trust

Standardization

Repeatability



SKILL AND INNOVATION

Evolution of migrated applications

Increased success rates

Lack of skill on legacy platforms

Performance and application innovation

