

Break free from Legacy.

Get off the mainframe fast with Al-led transformation on the Pega Platform.



ENTER THE AGE OF AI.

The next decade will be defined by the **AI leaders**.

AI & DIGITAL LEADERS ARE GROWING 2-6X FASTER THAN LAGGARDS.¹

Al & automation represent a massive opportunity for enterprises to cut costs & improve their customer experience.

Leading enterprises are harnessing AI to improve how they:

- Engage with their customers: personalizing every customer interaction to resonate & land more – leading to growth, acquisition, and retention.
- Service their customers: enabling 100% self-service outcomes across any channel – increasing NPS & decreasing cost-to-serve.
- Operate their business: automating end-to-end business processes & guiding employees at every step – saving costs & accelerating customer outcomes.





LEGACY IS HOLDING ENTERPRISES BACK.

The average enterprise wastes \$370 Million+ on technical debt.

THE IMPACT OF LEGACY IS HUGE.

- Innovation slows: 68% of enterprises say they spend time on legacy system maintenance which could better be spent making business more effective.
- Automation lags: 68% of enterprises say legacy systems are preventing their organization from operating as effectively as possible.²
- Customers can tell: 57% of enterprises acknowledge their reliance on legacy systems causes customers to leave due to slow or fragmented experiences.²



70% OF FORTUNE 500 STILL RUN MAINFRAME

92% are trying to get off the mainframe.

ENTERPRISES HAVE BEEN TRYING TO FIND A FAST PATH OFF MAINFRAME FOR DECADES, WHY?



Experiences are falling behind.



Data is

trapped.

Talent

is sparse.

Maintenance is costly.

- Green screen & terminal emulators slowing down employees
- Lack modern API's to plug into customer facing self-service channels
- Brittle R PAs cripts
- Difficult to connect to modern REST-ful automation platforms Lack native Al support
- Outdated protocols (JCL, FTP, EDI). Reliant on batch FTP exports, not real-
- Proprietary data formats (e.g. VSAM)
- Lack of documentation Difficulty hiring & retaining
- Consultants & developers are costly
- Costly hardware upgrade projects Monolithic applications
- Expensive licensing fees



Mainframe Modernization Landscape

	Approach	Description	Considerations	Benefits	Drawbacks
X	Retain	Keep the application on the mainframe without making any significant changes.	Mainframe is a permanent part of your IT strategy & business value of modernization is low	IT can focus on other priorities Low risk	Ties the enterprise to t mainframe With related operations maintenance costs
	Rehost	Move the application to a new platform (like the cloud) with minimal or no code changes, also known as "lift and shift."	When seeking a quick exit from the mainframe on- prem & into the cloud.	Lower infrastructure costs Simplify operations	Does not address underlying code, proce and architectural flaws
	Replatform	Migrate the application logic and code to a new platform using automated tooling.	Preserves existing logic & process , results in new code.	Reduced infra costs Gets to the doud	Results in new machine generated code , not optimized for the cloud- not always maintainable
	Rebuild	Completely rewrite the application from scratch retaining only the core business logic.	Start from scratch when existing app is flawed & dated	Inject new capabilities, efficiencies Optimize cloud performance	Long timelines with high costs
	Retire	With this strategy, you decommission an application that is no longer needed, consolidating its functionality into other systems or eliminating it entirely.	When functionality is redundant or no longer needed	Reduced complexity Elminates operations & maintenance costs	Risks losing data, logic, processes if not sufficiently replaced
₿	Repurchase	Onboard a COTS solution to replace the functionality being driven through the mainframe.	When off-the-shelf solutions 100% meet business needs	Reduce internal development costs Vendor-sup ported operations & features	Forced into vendor processes & structured which don't always ma business needs

EMERGING APPROACH UNLOCKED BY AI:

Reimagine.

ess,

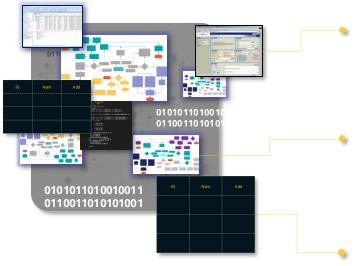
Analyze the application using Al and unlock core processes to cloud-native platforms to unlock automation, new experiences, and data through modernization.

- Understand your core logic & workflows with AI.
- Rethink & optimize processes & customer journeys, injecting new automations.
- Retain logic & core requirements where you need to.
 Get to cloud platforms fast
- Get to cloud platforms fast decreasing operations cost and increase agility.



The Transformation Status Quo

Why 75%+ of legacy modernizations projects fail.¹



No documentation

Millions of COBOL lines with minimal comments.

No componentization

Tight coupling between logic, UI, and data.

No rationalization

Complex encoded data schema – often with data quality issues.

MOST MODERNIZATION APPROACHES?

Take years & millions of \$\$\$.

Requiring teams of consultants just to document your codebase and drive alignment on the path forward.

Leave you with new code to maintain.

Most approaches call for rewriting applications 1-for-1 from COBOL to Java in the cloud, leaving you with undiscernible, unmaintainable, Al-generated JOBOL.

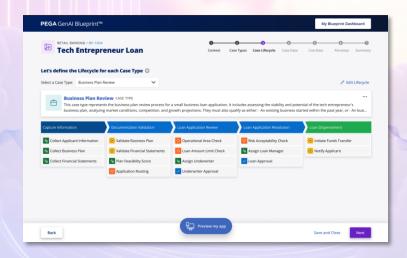
Don't unlock Al or automation.

With a lift-and-shift approach, enterprises leave value on the table from taking the opportunity to reimagine their processes as they transform.



Transformation reimagined







Rapid analysis

IntuitiveBlueprint

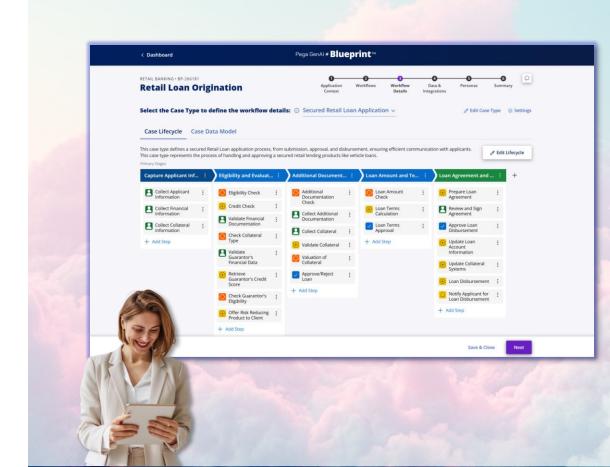
Future-proof architecture

PEGA BLUEPRINT

Transformation rocket fuel

Pega Blueprint is enterprise workflow development powered by AI. Focused on bringing people & AI together to accelerate automation & jumpstart transformation.





PEGA BLUEPRINT

How does it work?



#1

Accelerate legacy analysis.

Rather than manually analyzing legacy systems, extract insights automatically by uploading:

- Documentation (e.g. SOP)
- Source code analysis
- Videos & screens

#2

Collaborate seamlessly.

Blueprint is 100% collaborative add all **business & IT** collaborators to:

- Rapidly adapt Al suggestions
- Capture requirements in common language
- Preview app throughout

#2

Build on best practices.

Based on requirements, Al Agents behind Blueprint compose a starting point application informed by:

- Industry best practices
- Pega & partner expertise
- Organizational knowledge

#4

Jumpstart development.

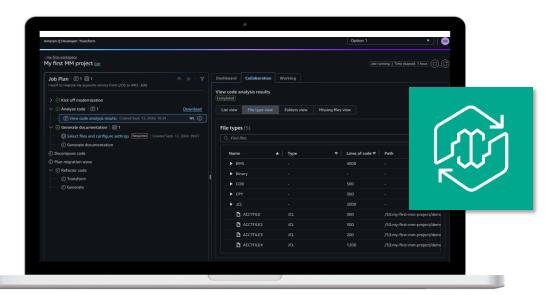
Eliminate lengthy requirements gathering processes and set devs up for **rapid go-lives**:

- Import Blueprint to **generate app**, in seconds
- Auto-generate user story backlog
- Leverage Al across Pega App Studio to quickly finalize & deploy new app

Instantly understand your mainframe applications.

AWS TRANSFORM

- Analyze your code: securely import millions of lines of COBOL and supporting files for AI Agents to analyze.
- Document your application: automatically, AWS
 Transform produces comprehensive, natural
 language insights into your application and how it
 works.
- Understand your logic: leverage AWS Transform's auto-generated business rule library to get a complete view into the decisions, validations, and logic previously scattered across your application.

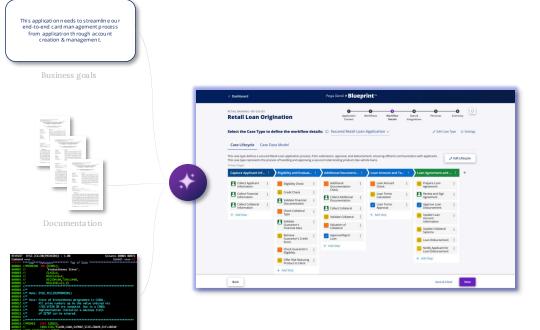


AI-LED MAINFRAME MODERNIZATION WITH PEGA

Reimagine your customer journeys.

PEGA BLUEPRINT™

- Accelerate legacy analysis: Bring AWS Transform output along with legacy system videos, data structures, process diagrams and more to instantly understand processes.
- Build on best practices: Al Agents behind Blueprint compose a starting point application informed by industry best practices, Pega & partner expertise, and organizational knowledge.
- Reimagine collaboratively: Blueprint is 100% collaborative add all business & Π collaborators to rapidly adapt Al suggestions, capture requirements in common language, preview app throughout.
- Jumpstart development: Eliminate lengthy requirements gathering processes and set devs up for rapid go-lives.

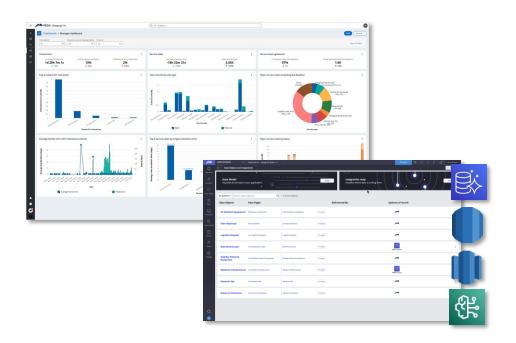


Legacy app videos, screens, & technical outputs

Get to the cloud, faster than ever.

PEGA PLATFORM™

- Go-live with cloud workflows, fast: Generate new cloud-native application in Pega Cloud® leveraging Blueprint-to-live's Al-powered SDLC.
- Free data from legacy, to fuel AI & automation:
 Migrate legacy data to new cloud-native data stores on AWS RDS, Aurora, and Redshift.
- Quickly integrate workflows with enterprise data store: Leverage native connectors to plug workflows into new data storage services.
- Automate manual work with Al you can trust: Embed Pega Predictable AlTM agents into your workflows and experiences to unlock an agentic operation at scale.



The Result?

Agentic applications in the cloud

TRANSFORM OPERATIONS WITH AI YOU CAN TRUST

With Pega Predictable Al™ agents, enable self-service and automation with Al which takes cues from governed workflows, not from their own ideas. So you can...

Automate everything: <u>drive processes</u> which orchestrate dozens of low-code AI & automation capabilities.

Connect front- & back-office: embed workflows into <u>any channel</u> – arming customers and employees with the outcomes they need across web, mobile, chat, email, voice, and more.

Unlock efficiency at scale: maximize resource utilization and solve issues before they occur with <u>intelligent work prioritization</u>, routing, SLA management, reporting and more.





The Transformation Status Quo

Why 75%+ of legacy modernizations projects fail.¹



Swimming in code & documentation

trying to build an understanding of what's in the legacy system, what to move, and why.

Difficult to align business & IT on future-state

which carries forward what you need, while also reimagining where you want.

Slow, costly manual development

often drowning in machinegenerated Java which is unreadable & unmaintainable.

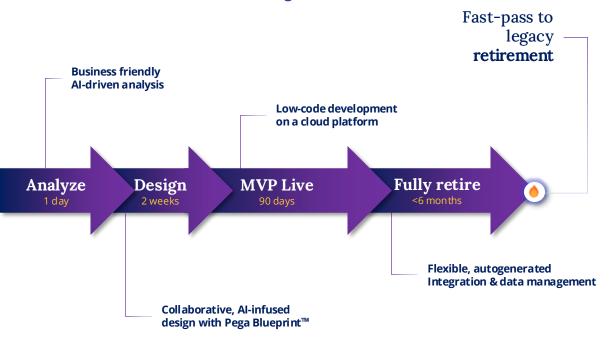
Long release cycles, slow data migration & complex integrations

difficult to get data to the cloud and to tap new systems into existing IT landscape & databases.



Transformation Reimagined

Al-led Transformation with Pega 👺

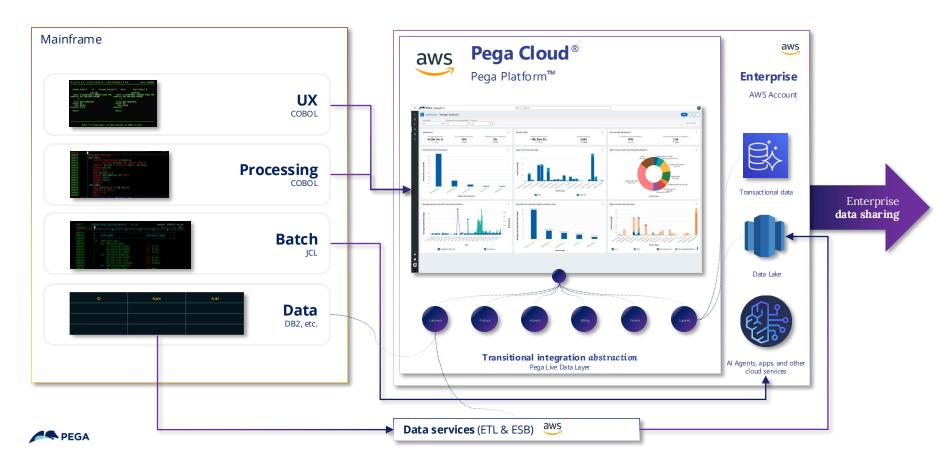






Transformation Architecture

Transitional state architecture





Pegasystems is "compressing this multi-year mainframe modernization project to deliver value in under 90 days."

- Swami Si vasubramanian, Vice President, Agentic Al, Amazon Web Services





Rapid AI-led Legacy Transformation

Client successes

US State Agency

From 1M+ lines of COBOL to cloud prototype in

2 weeks

Mainframe replacement POC with AWS & Pega





Moving underwriting off of homegrown apps and into the cloud

Faster time to market

Java replacement POC with Accenture & Pega Blueprint





From legacy workflows to new cloud apps:

Go-live in 40 hours

Network Operations
Transformation



Rapid migration off of legacy BPM:

800+ workflows

Shared Services
Transformation



PARTNERS

Driving **AI-led** transformation at the world's largest enterprises.













Coforge

