

# Legacy Modernization with HCLTech's AI Force and **Pega GenAI Blueprint**



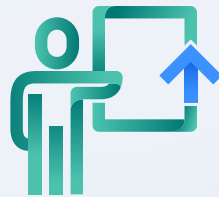
# Overview

Businesses struggle with legacy systems that limit innovation and competitive advantage. These outdated systems create barriers through inflexibility, maintenance costs and poor integration capabilities. **HCLTech's AI Force** combined with **Pega GenAI Blueprint** delivers an AI-driven modernization solution that transforms legacy code into modern Pega applications. This approach accelerates digital transformation while minimizing operational disruptions and maintaining business continuity.

## Solution Components

### Legacy code

Existing systems (Java, Mainframes, Tibco, PHP)



### HCLTech's AI Force

Converts legacy code into detailed business requirement documents

### Pega GenAI Blueprint

Generates application blueprints using low-code tools

### Pega App

Creates foundation applications directly from the blueprint

## Key Features

### 1 Intelligent code analysis with AI Force

**Code conversion:** Analyzes and transforms legacy code into structured business requirements

**Accurate processing:** Minimizes human errors in documentation creation

**System compatibility:** Handles legacy systems of all sizes and complexities

### 2 Rapid requirement generation

**Comprehensive documentation:** Captures business logic, workflows and rules in detailed BRDs

**Visualization tools:** Helps stakeholders clearly understand modernization requirements

### 3 Pega GenAI Blueprint for app creation

**Blueprint development:** Transforms business requirements into actionable application designs

**Low-Code interface:** Enables quick development without extensive coding knowledge

**Flexible components:** Allows customization of workflows, UI and data models

### 4 Streamlined app deployment

**Automated generation:** Creates Pega applications from blueprints within minutes

**Enterprise ready solutions:** Delivers scalable and secure applications

**Integration capabilities:** Connects seamlessly with existing business systems

## 5 Enhanced software development life cycle

**Requirements phase:** Generates user stories and performs change impact analysis

**Development phase:** Assists with code summarization, test case creation and SQL optimization

**Testing phase:** Automates test creation and prioritizes based on risk assessment

**Support phase:** Monitors applications for vulnerabilities and identifies recurring issues

## Business Benefits



### + **Faster modernization:**

Reduces transformation timelines from months to weeks

### + **AI-powered efficiency:**

Automates manual tasks and improves documentation accuracy

### + **Future-ready architecture:**

Positions organizations to leverage modern technologies

### + **Risk mitigation:**

Ensures business continuity throughout the modernization

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