

## Amdocs brAln: AI-Powered Quality Engineering



### Revolutionizing Testing with AI-Driven Innovation

In today's fast-paced digital world, organizations must balance rapid software delivery with top-tier quality. The increasing complexity of systems, combined with the rapid pace of releases, demands robust, cost-effective, and scalable testing solutions.

Amdocs brAln is a cutting-edge AI-driven Quality Engineering (QE) platform that offers an intelligent, autonomous solution.

### Why the brAln from Amdocs Quality Engineering (AQE)?

The AQE brAln is more than just a testing tool – it's a strategic enabler for QE modernization. In an era where software quality is critical for businesses, brAln ensures organizations stay ahead.

### Addressing the Challenges of Modern Testing

The software testing landscape is evolving rapidly, and traditional testing methods cannot keep up. brAln is designed to overcome the biggest challenges faced by enterprises today:

- **Growing Complexity & Pace** – The demand for rapid, continuous integration and deployment (CI/CD) means organizations must accelerate releases while maintaining high quality. brAln automates key testing processes, meeting the need for reliable, scalable testing frameworks.
- **Comprehensive Coverage** – Modern applications are intricate, with numerous integrations and dependencies. brAln ensures full test coverage, for both common and edge cases, to minimize production failures.
- **Cost Optimization** – Manual testing is resource-intensive and prone to inefficiencies. brAln significantly reduces costs by leveraging AI to automate and optimize testing workflows.
- **Intelligent & Autonomous Testing** – Testing isn't just about execution – it's about continuous learning and improvement. brAln brings self-healing capabilities, predictive defect analysis, and adaptive test strategies, to drive efficiency and ensure software quality at every stage of development.

#### brAln Key Benefits

A competitive edge allowing businesses to streamline operations while maintaining the highest quality standards.

#### Win the Velocity Challenge:

- Accelerate time-to-market by automating test case creation and execution.
- Optimize test execution cycles for rapid feedback.
- Identify and mitigate risks early by leveraging predictive defect analysis.

#### Enhance Test Accuracy:

- Achieve 100% test coverage while maintaining 95% accuracy.
- Reduce manual effort to improve efficiency and reliability.
- Utilize AI-driven insights to refine test strategies.

## brAI Capabilities

The AQE brAI transforms traditional testing through AI-driven automation, predictive analytics, and cognitive intelligence, providing a holistic testing solution to enhance efficiency, accelerate defect detection and optimize workflows. Our brAI powered offering includes:

### Predictive Selective AI

Focuses on making forecasts, and prioritizing optimal responses (optimized regression, application) based on predictive modeling, historical data, and probability.

### Assisted AI

Human-driven informational support by identifying patterns and anomalies and NLP-Based Automation, converting natural language queries into executable test cases.

### Augmented AI

Enhances human-led testing with AI recommendations and optimizations.

### Agentic AI

AI-driven test automation, covering everything from test case creation to defect resolution.

## Real-World Success Stories

One leading enterprise decided to integrate Amdocs brAI into its quality engineering framework, and the results were game-changing. Here's what they achieved:

**30%**

**faster release cycles**

Automated test case generation helped them accelerate development, allowing them to push high-quality updates at an unprecedented pace.

**40%**

**reduction in defects**

With predictive AI-based defect triage, the team could catch issues earlier and prioritize fixes before they reached production.

**50%**

**improved efficiency**

The AI-driven workflows eliminated unnecessary manual tasks, and optimized test case execution.



## Experience the future of AI-powered software testing with Amdocs brAI

Discover how brAI is transforming software testing with GenAI-powered solutions. Automate your test lifecycle, reduce manual effort and improve software quality with AI-driven test optimization and agentic AI.