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Experience & Digital Engineering | Data & GenAl | Cloud | Quality Engineering

Launch your GenAl eXpedition with AQE

Bringing the Promise of GenAl Down to Earth

CXOs are under immense pressure to leverage GenAl. Establishing a responsible, well defined, and managed GenAl QE program helps to convert this "30,000-foot view" to a grounded, simplified, practical, actionable, and measurable success.

Experiences that are deterministic and predictable should be augmented or moved to GenAl. This requires several stages of automation, with increasing levels of Al layered on.

Codeless Automation: Remove skills barrier:

- Drag and drop
- Low-code development
- Recorded automation
- Continuous automation (CI/CD)
- Tag autocompletion

This increased level of automation and coverage is essential but often is not very efficient and is costly to maintain.

AI-Driven Automation: Accelerate MTTC, MTTE and MTTM with:

- Intelligent learning (XPATH)
- Smart API modeling
- Smart UI modeling
- Smart mobile modeling
- Self-healed automation

Al-driven automation reduces the time required to generate, maintain, and execute the automations, but the challenge is how to decide which of the 1000s of test cases to execute. Therefore, for maximum value, it should be combined with Predictive Al.

Data Sheet

Predictive AI: Reduce redundant/wasted effort via optimization:

- Data analysis segmentation and patterns identification
- Matrix factorization for process optimization
- Deep learning for complex patterns
- Supervised data training and machine learning algorithms
- Accuracy pre-benchmarking and benchmarking

The predictive selection process gives you an indication of which tests to run using text classification based on existing data, but this does not yet generate content. To achieve unassisted content generation, it is needed to progress to Cognitive Automation.

Cognitive Automation: Integrate AI and ML to evolve beyond traditional rule-based systems:

- Automate decision-making
- Natural Language Processing
- Process orchestration
- Machine learning models
- Data coupling
- Neural-connected workflows
- Human machine collaboration
- Conversion of pattern analysis into decision making

"Disruption is either going to happen to you or because of you."

Brian Solis, Digital Anthropologist and Futurist

Anticipated Measurable Outcomes from Integrating GenAl in QE Process

Improved accuracy of predictive maintenance

46%

45%

Improved ROI in quality engineering processes 41%

Improved customer satisfaction ratings 39%

Increased speed of product development cycles Increase in the

number of quality issues identified before product release

Augmented and assisted automation using existing automations coupled to data and neural-connected workflows still require verification.

GenAl: Deploy inorganic colleague to gain organic trust and next level performance:

- Prompt engineering
- Predictive analytics
- Data pipeline orchestration
- Embedded vectorization
- Test Artifactory generation
- Correlation engines
- Conversational agents
- Data augmentation

Launch your GenAl QE Program

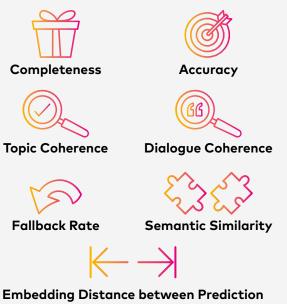
AQE's GenAl program gradually onboards capabilities and activities to harness the power of GenAl for practical use cases in a responsible way, incorporating the following steps.

- Identify or build the infrastructure. This must be secure, resilient, and meet all performance requirements
- Deploy the AQE evaluation framework to select the optimal LLMs
- Build robust data pipelines
- Create your banking context/taxonomy
- Measure the outcomes, building trust within your organization
- Onboard assisted, augmented, and complete GenAl QE use cases

Implementing GenAl not only increases your testing and business agility, but closely correlates with improved customer experience. With the Amdocs GenAl framework in place, the time for onboarding any disruption should be reduced from months to weeks and days.

The Amdocs GenAl QE Metrics

Measure your GenAl journey:



and Ground Truth (by LangChain Evaluator)

Get started today

Discover why hundreds of organizations have chosen Amdocs to help transform their businesses. Let's talk.





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