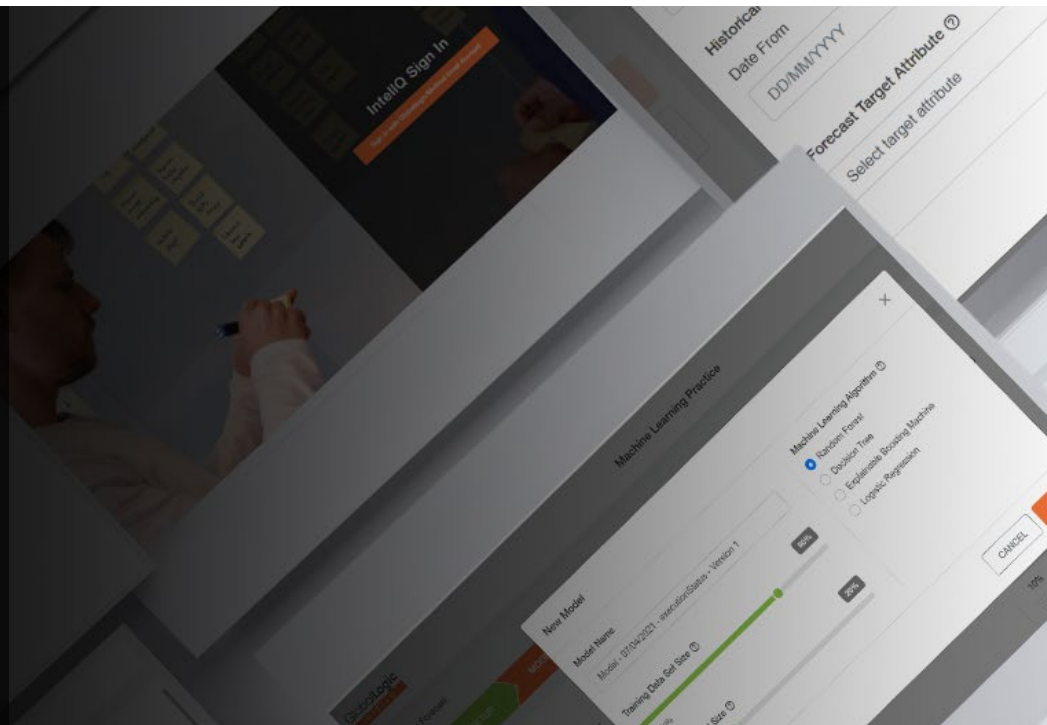


# InteliQ Accelerator

A custom Machine Learning powered test case prioritization solution that identifies critical and high-risk issues earlier in the regression testing cycle



## Accelerate your regression test cycle timeline

GlobalLogic's IntelIQ accelerator applies a Machine Learning approach to regression testing to more effectively prioritize test cases and identify critical issues and high-risk areas earlier in the test cycle — accelerating timelines and reducing costs. The solution also helps test engineers automate manual processes, identify problematic autotests, and detect any outliers that could create a weakness in the development process.



### Identify Risks

InteliQ defines the most important and highest risk tests (e.g., areas, features) from the point of criticality to the product release. It eliminates failure risks for automated and manual tests, and it detects outliers and potentially flaky autotests.



### Accelerate Test Cycles

In addition to detecting defects and risky areas earlier in the test cycle, IntelIQ can help define manual test cases that are candidates for automation. It can also estimate risks before the next development cycle to mitigate future risks.



### Lower Costs

Typical test runs stack developer workloads at the very end of the cycle, when all failures are revealed. By detecting defects earlier, IntelIQ distributes workloads more evenly across the test cycle and saves businesses up to 11% of the project phase cost.

GlobalLogic INTELIG
Machine Learning Practice

**Forecasts**

30-Mar-2021 09:24:36 AM  
Model - 30/03/2021 - executionStatus - Version 1

Forecast 30-Mar-2021 09:24:36 AM

Report Details

#	Test Case ID	Summary	Fail Probability	Priority
1	BR-634	Verify log out in 24 hrs	0.52	Medium
2	BR-640	Verify validation of source link field	0.48	Medium
3	BR-693	Verify help text in Model Matrix section	0.36	Medium
4	BR-630	Verify login with invalid login/Password	0.34	Medium
5	BR-633	Verify automatic log out	0.31	Low
6	BR-696	Verify the table "Test Cases to Failed Test Cases Ratio"	0.31	Low

[UPDATE SOURCE](#) [EXPORT REPORT](#)

**Forecast Based On**

Forecast Target Attribute **executionStatus**

Training Data Date Range

Date From: 01/01/2021    Date To: 01/03/2021

Filter

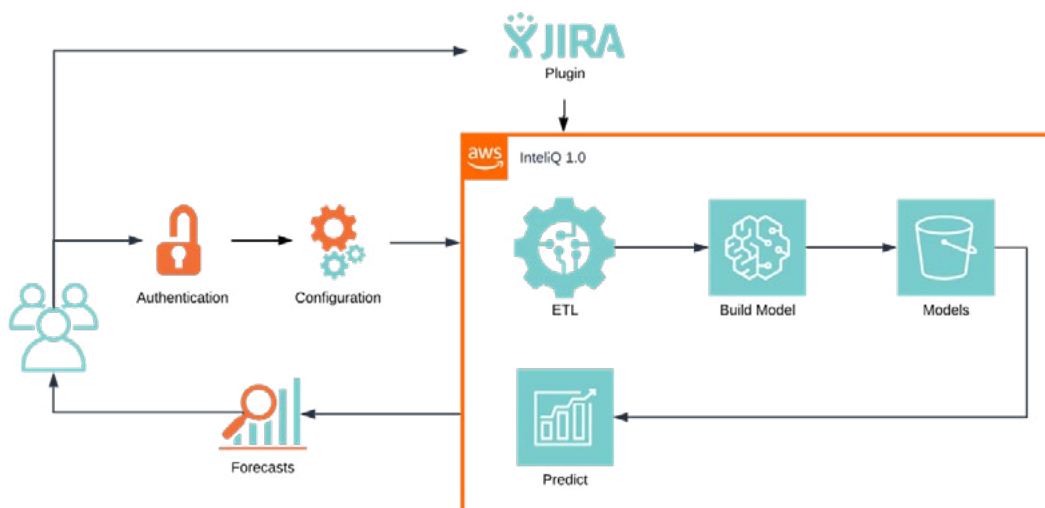
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## Many projects, one solution

### How It Works

Users can create forecasts for each project using a variety of parameters and filters through a Smart Wizard user interface. The solution accepts input from various tools, processes, and sources; runs the data through a universal Machine Learning pipeline; and delivers priority heatmaps for regression testing to optimize test runs.



### Simple Implementation

- Applicable to any project with a regular regression cycle
- Accepts input from various tools, processes and sources
- Can be integrated into a project with an API or used as a separate module
- Integrates with any bug tracking tool that supports APIs (e.g., Jira)

### Modern Technologies

- Based on a custom ML-powered solution and history-based test case prioritization approach
- Uses a Smart Wizard UI to deliver an intuitive user interface
- Reusable with various projects via customized ETL connectors

### Supported Tech Stack / Works Well With

- AWS, Azure, GCP platforms
- Python, Scikit-learn, Pandas, NumPy
- Angular, Flask, GitHub, Terraform
- Amazon DynamoDB, S3, Route 53, ECS, CloudFront
- AWS Code Commit, Fargate