

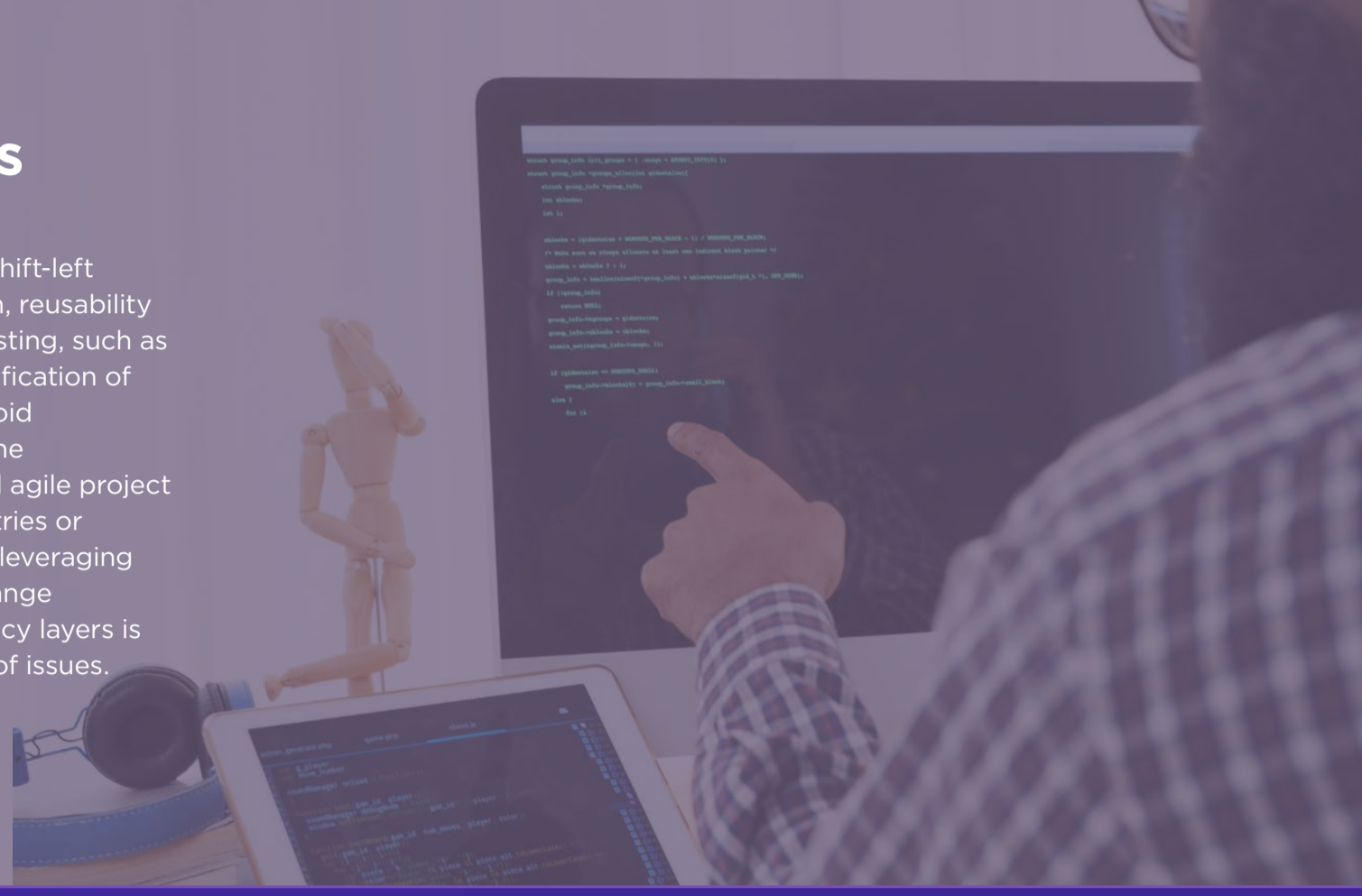
# HCL's ADvantage™ Pega - Code Impact Analyzer

Identifying all testing scenarios based on code changes at different layers



## Business Challenges

Agile project implementations demand a shift-left strategy in terms of code quality validation, reusability index measurement, code inspection or testing, such as **regression testing**, for instance, and identification of potential bottlenecks at early stages to avoid inheritance of technical debt and reduce the end-to-end cycle time and cost. For global agile project implementation, catering to multiple countries or serving various product/service lines, and leveraging the One Platform architecture, a minor change unnoticed or unidentified in any dependency layers is mighty enough to create a domino effect of issues.

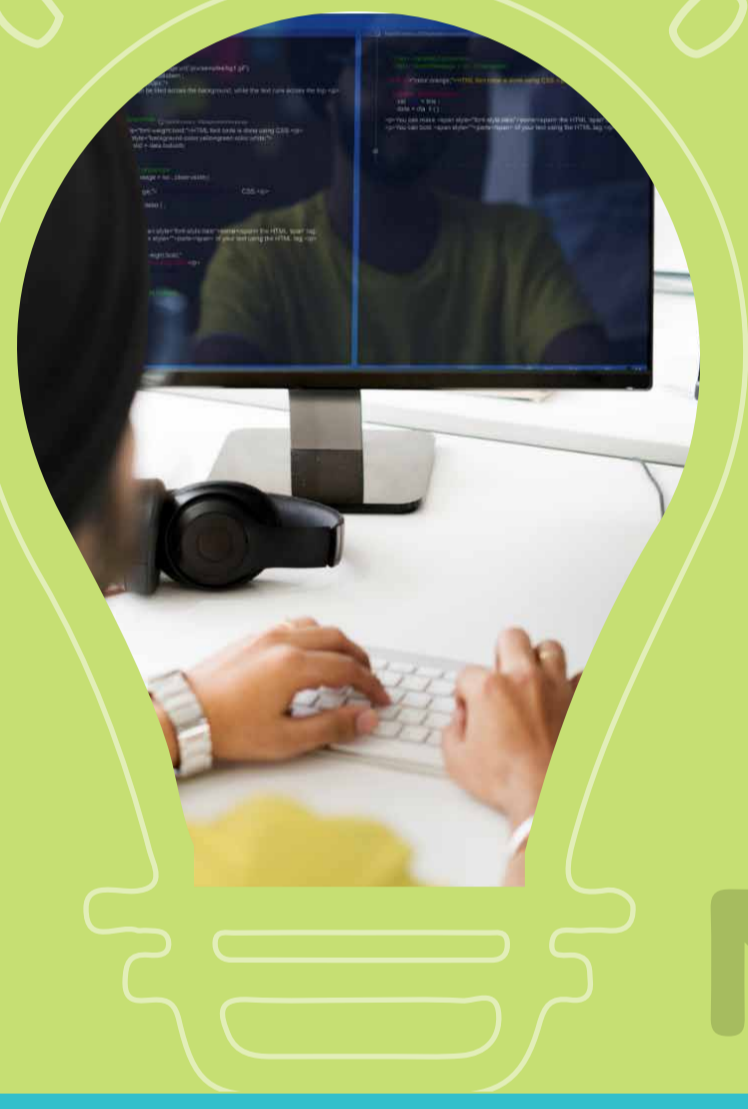
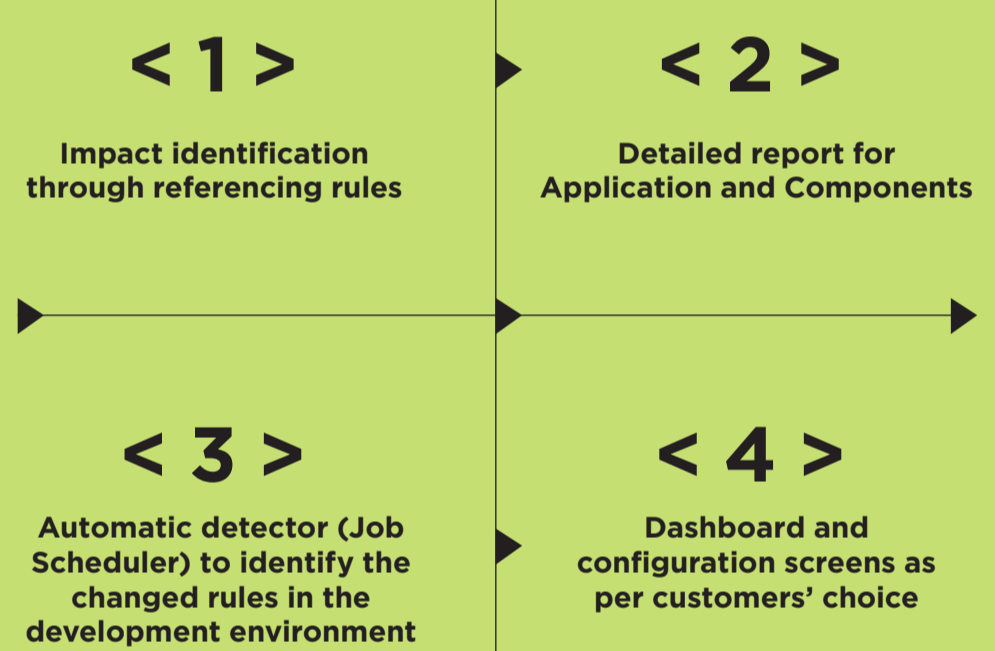


## About ADvantage™ Pega - Code Impact Analyzer

HCL's ADvantage™ Pega - Code Impact Analyzer helps customers identify the potential use cases, flows, and other application rules that have a cascading impact based on changes introduced by the team at different implementation layers of an **agile project** (a situation layer cake model with layers like enterprise, product, country, line of business, etc.).



## Solution Approach



## Key Features



> HCL's ADvantage™ Pega - Code Impact Analyzer runs as a background process (scheduled jobs) to detect the recent changes

The **Pega platform** can be configured to run daily or once a week

It can be extended with Agile Workbench or other scrum tools (JIRA) to extract the defect/story ID and rules impacted

The solution works for both on-premises and cloud environments

It provides notifications via email and Microsoft Teams channels

It furnishes exhaustive reports with an ability to export in multiple forms (Email, Excel)

The solution produces a report of impacted applications in case of any component modification

It is easy to deploy using standard Pega rules

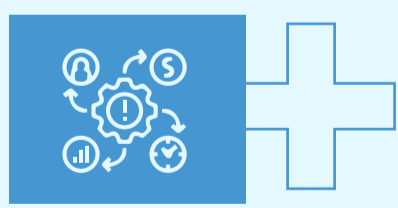
It is compatible with Pega Platform: 8.x

## Audience



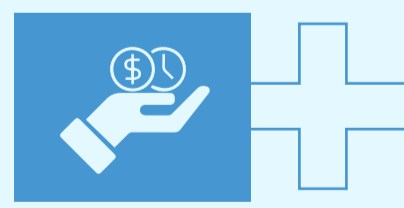
	Test Lead/Testers
	Lead System Architect
	Technical Managers
	Developers

## Solution Benefits



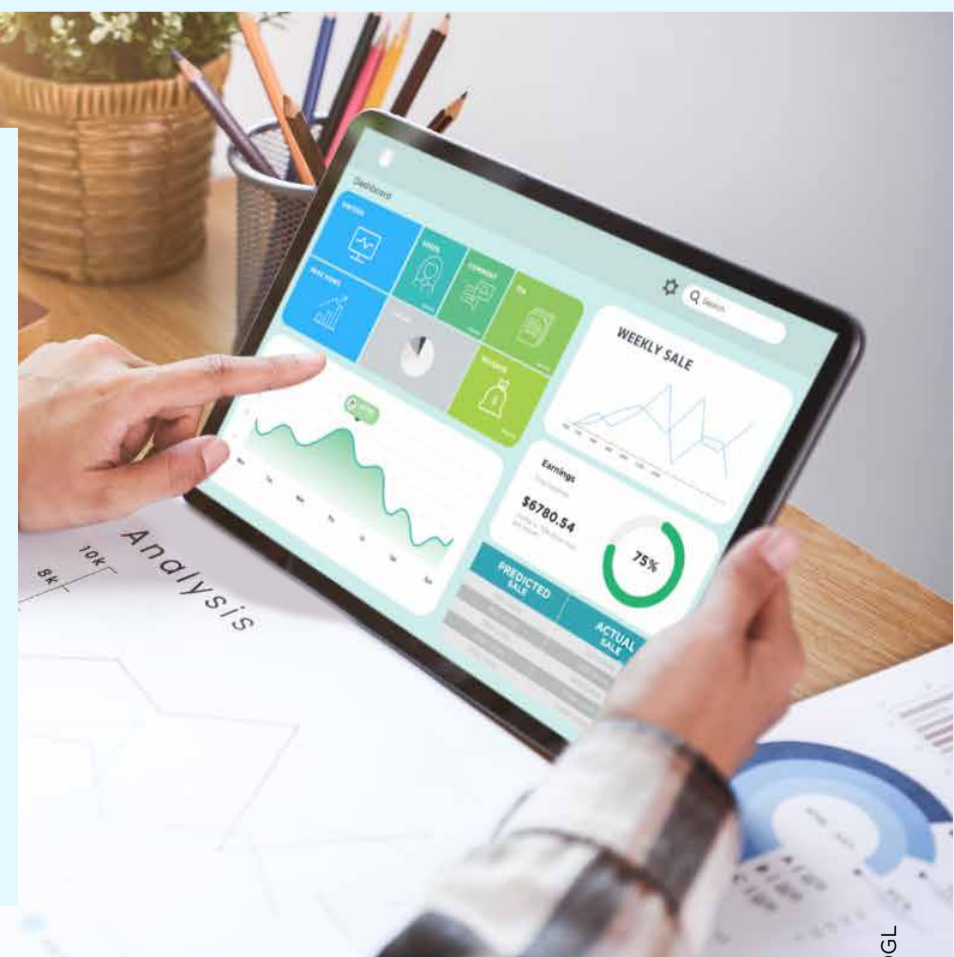
### IMPACT ANALYSIS

- Runs in the background with no human touch
- Facilitates on-demand impact analysis
- Provides the report with potential flows or screens to be regressed
- Supports configurable elements as per customer's choice
- Offers a transparent view of the changes to all stakeholders



### COST SAVINGS

- Reduces live defects, especially due to last-minute changes
- Replaces complete regression testing with potential flows, saving testing effort
- Improves time-to-market

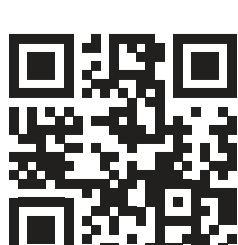


✉ For any queries, please reach out to us at [digitaltransformation@hcl.com](mailto:digitaltransformation@hcl.com)



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