HCLTech's ADvantage™ Pega – Code Impact Analyzer

Identifying all testing scenarios based on code changes at dierent layers
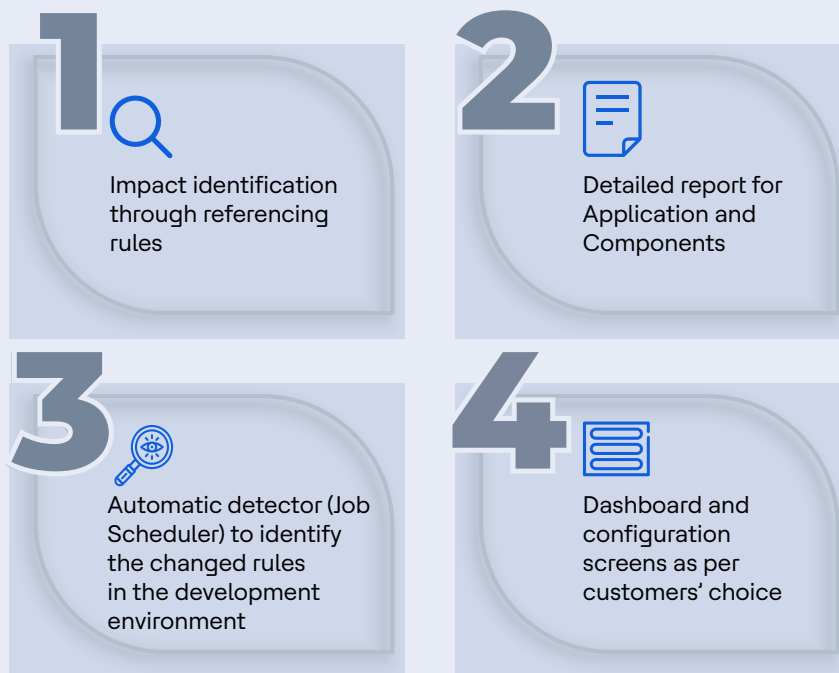
Business Challenges

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 eect of issues.

About ADvantage™ Pega – Code Impact Analyzer

HCLTech's ADvantage™ Pega – Code Impact Analyser 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 dierent implementation layers of an agile project (a situation layer cake model with layers like enterprise, product, country, line of business, etc.).

Solution approach

1
Impact identification through referencing rules

2
Detailed report for Application and Components

3
Automatic detector (Job Scheduler) to identify the changed rules in the development environment

4
Dashboard and configuration screens as per customers' choice

Key Features

- HCLTech'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
- · Oers 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
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