Delivering Digital Transformation

Analyzer™

for IBM BPM

A BTP Solution

Analyzer™ improves BPM developer productivity by enhancing the BPM platform tool-set. This allows your development teams to delivery more efficient and effective code, faster bug fixes and greatly enhanced Quality Assurance (QA) of workflow processes.

Analyzer™ features two modules:

1. Static Analyzer
2. Code Compare

Static Analyzer

Static Analyzer allows your developers to determine if problematic code exists or anti-patterns have been introduced into the BPM project code. The tool will also identify areas for code improvement and provide useful messages and warnings to the developer which will improve the overall quality of the code.

Static Analyzer produces code reports in seconds, enabling faster code checks and quality improvements

Code Compare

Code Compare enables developers to achieve greater transparency of code changes through code comparisons of entire BPM project 'snapshots'.

Need to Merge Code into another Branch

Analyzer™ helps developers trying to merge code changes into another code branch by displaying the differences in each line of code and it also identifies the name of the person making the change.

A Tool For Better QA Planning

The code compare tool can be used by your QA teams to come up with better Test Plans. By enabling transparency of all the code changes between various BPM code snap shots, appropriate tests can be formulated which account for each of these code changes.

Helpful Management Tool

Greater transparency of code changes enables BPM coding teams to be fully aware of new code changes across the environment, even when someone has a period of absence.

Introducing Analyzer™ for IBM BPM

Analyzer™ is a standalone application that completely runs within your environment, with Static Analysis and Code Compare running locally, no source or project files are sent off-site and performance is optimised. Installation and setup is simple, requiring only read-only access to your Process Center development database.

Capability Overview

- Run tool as many times as you want, as often as you want – no limitations on usage

- Analyses entire projects and provides specific hints, errors and warnings for your artefacts based on best practices

- Provides a comprehensive 'diff' or code comparison between any two snapshots, greatly reducing the effort and pain of merging tracks

- 'Playback' changes for any track to see where and how your project has changed

- Integrate Analyzer™ reporting into the governance processes via the REST API

- Simple to use web interface

- Many other features, with more to come!

Why Implement Analyzer?

- QA can quickly identify the differences between snapshots, and so focus on testing a definitive answer to 'what is different between that snapshot and this one?'. Able to focus testing on changed areas

- Reduced effort in the QA/Testing phase due to increased confidence during the merging and early QA phase

- The developers can identify when a bug was introduced by using playback

- Automated, static analysis of IBM BPM projects provides reports on the quality of the project. Objective reporting on the quality of the project allows all developers to work towards a single goal - one with zero reported errors and warnings

- Changes made are visible to all developers creating a stronger sense of code ownership

Time and effort saved in:

- No manual effort for identifying changed items

- Less QA due to deterministic set of change items to be tested and/or applying changes across tracks

- Early identification of issues and bugs

- Location when a bug was introduced in the snapshot history

- Objective reporting of potential issues and warnings

- Applying a team-wide style guideline reduces conflict between developers' individual styles

- Reduced barrier for quick self-review/QA results in developers doing it more often. Improves the quality of code

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