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Amplify Product-Centric Value Delivery with Infosys Live Engineering

With the threat of disruptive business models and competition from innovative digital natives, organizations are constantly looking for ways to accelerate business outcomes. Many organizations are now moving to a product-centric operating model to deliver superior customer experience and realize business value faster. One of the foundational elements of such an operating model is adopting a data-first approach to engineering and value-stream management, which enables real-time visibility to flow of value.

The current level of technology adoption and automation in many organizations, is such that users can proceed through the software engineering lifecycle in a single click. Yet, stakeholders across the board, experience challenges that curtail the value delivered, such as:

Product Owner struggles to access customer feedback on a feature introduced in the past week, delaying user sentiment analysis and possible product improvements.

Software director wonders why the current release is suffering from a 'Watermelon effect', where it is suddenly in the 'red', with no prior indications or symptoms

Development Manager finds it difficult to assess the productivity of team members, despite the data pouring in from different tools around code commits, defects & more

CEO is unable to get a 'single pane of glass' view of the progress of critical programs that are key to her business plan

Infosys Live Engineering – The Platform of Choice

Live Engineering is a data first approach to software engineering which leverages predictive analytics and intelligent automation to provide persona based actionable insights using the data residing in tool chains across the engineering ecosystem.

Infosys Live Engineering Platform is a comprehensive platform offering that helps organizations adopt the live engineering approach for large transformation programs and get intelligent value-stream based insights for their business and IT teams.

The platform is powered by techniques like deep data analytics, machine learning, and natural language processing (NLP). It processes the extensive data available in Agile, DevSecOps, and Operations tool chains and generates meaningful insights for all relevant personas so that they can learn, calibrate, and respond to changes, thereby ensuring predictable outcomes.

From executive leadership to product & portfolio managers, developers, architects, each stakeholder gets a contextual, role-based command center highlighting areas of interest, hotspots, with drill down and recommendations.

What Makes Infosys Live Engineering the Preferred Solution?

| Helps organizations transform into intuitive and responsive enterprises through actionable and predictive insights | Enables informed and faster decision-making with intelligent automation | Brings in efficiency in performance through community collaboration and knowledge management | Increases productivity through value stream based cognitive insights | Enables customer centricity as product development is aligned to business value |

A few of the Use Cases Enabled by Infosys Live Engineering Platform

Increase the predictability of releases by correlating different live metrics

Teams can track actual release progress and preempt release risks. The platform provides a 'live release confidence score' derived from leading indicators like requirement churn, unplanned tasks, velocity, open defects, impediments, and dependencies

Achieve end-to-end traceability with value-stream analytics

The platform offers end-to-end traceability of epics, user stories, builds, tests, and defects across all products and portfolios. With this, users get a unified view of the progress, adoption of practices and the value being delivered

Track and enhance team and individual level productivity

Contributions by Dev-QA-Ops teams can be easily mapped with portfolio level drill-down insights into team maturity and levers. It leverages a comprehensive FICO-like scoring model so team mentors can adopt the right coding protocols and provide the required coaching for contributors

Customer sentiment analytics

The platform provides customer sentiment analytics so teams can improve features, test strategy, and coverage, thereby improving the overall product quality

Success Stories

Infosys Live Engineering has helped enterprises accelerate their digital transformation journeys. Here are some success stories from our clients:

Client	Challenges	Infosys Live Engineering Solution	Benefits delivered
Global ISV & online Product company	Improve developer quality and maturity	• Implemented a custom solution to measure developer performance based on their commit velocity, code quality and adherence to development best practices • Solution was integrated with focused training & mentoring plan	• Daily commit/PR rigor and 30% increase in code review pass rate • Code quality technical debt of less than 16 hours on new code
US based large bank	Find and remove redundant test cases from the client's 300K Enterprise Quality Engineering regression test cases	• Leveraged Infosys' test case optimization Live engineering solution • Componentize the test cases into reusable test steps & implemented them as a set of libraries to minimize the automation effort	• 25% optimization of test cases resulting in savings of $2 M /Yr in cost of testing • 20% reduction in regression test cycle time
US based transportation & logistics company	Improve time-to-market and accelerate early customer sentiment feedback cycles when releasing the new mobile app and latest features	• Created a custom persona-based dashboard for proactive management of quality scores and release risk to improve predictability and time-to-market • Deployed Infosys Customer Sentiment Analytics solution to receive early feedback on beta versions	• Reduced release cycles from 5 weeks to 2 weeks • Improved user confidence in new feature releases

Enhance your digital transformation journey with actionable and predictive insights delivered by Infosys Live Engineering.
Reach us at agile_devops@infosys.com to know more.

For more information, contact askus@infosys.com

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