Incessant's iACD solution provides a Continuous Delivery Framework enabling organizations to respond to increasing business demands by delivering regular releases with a faster time to market. The framework uses Appian's Process Management capabilities to orchestrate and automate the application release process. It brings together a number of the key DevOps processes, specifically: Continuous Integration, Scripted Deployment and the Deployment Pipeline. These DevOps processes enable Continuous Deployment, which ultimately allows an organization to achieve the Continuous Delivery of new releases of an application.
Building Blocks of Continuous Delivery

Solution Overview

iACD utilizes Appian’s BPM platform to achieve the Automated Build, Automated Test and Automated Deployment of an application. It provides a single view of the Release Orchestration process across various environments i.e. Development, System Integration Test, System Acceptance Test, User Acceptance Test and Production. iACD considers a Release as a ‘Process’ within Appian and tracks it end-to-end, enforcing best practices on the following lines:
» Deploys applications with lower risks and fewer failures
» Performs full regression tests as required in each environment
» Provides a 360° view of all release processes, deployments and build levels across multiple environments
» Sends real time notifications and alerts of the deployment statuses
» Performs automated smoke testing before and after deployments
» Uses out of the box connectors to integrate with commonly used test automation tools like Selenium and FitNesse

Incessant’s iACD framework maintains the Release & Build hierarchy. A release can contain multiple builds, each of which can be tracked separately till completion. iACD encapsulates and orchestrates this release process, irrespective of the technology components and allows releases to be triggered either manually or scheduled for a future date and time.

The iACD architecture uses DevOps agents (Client Services) that are deployed throughout various environments. These agents are exposed as REST services that execute operations that include performing builds, running test scripts for integration, regression testing and orchestrate release automation.

iACD Framework Features & Business Benefits

» Pre-Deployment Code quality checks in Development including ability to upload validation scripts
» Leverage Appian’s Batch Testing modules to validate the build in Development, prior to deployment
» Automatic creation of the build within Development for deployment
» Automated Deployment of the build to upstream environments using tools like IBM uDeploy, Jenkins and CA’s Release Automation
» Cross-check deployment by comparing validation rules and automated testing results across environments
» Automated Smoke and Functional Testing of the build in higher environments using tools like Selenium and FitNesse
» Generation of release notes and other build artefacts, related to the release
Incessant Technologies, an NIIT Technologies company, helps organizations realize their Digital Integration goals, through the agile delivery of enterprise iBPM solutions. Incessant’s BPM Practice has unmatched certification levels in the industry with over 60 Appian experts (100% ACAD Certified, 83% Platinum and Gold Certified Practitioners). We have proven expertise in helping leading organizations in North America, Europe and Australia achieve their digital goals. Our industry leading solutions include: Customer Onboarding, Continuous Delivery and Business Operations Suite. These solutions have highly optimized processes to accelerate your Appian journey.

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