

How Appian Supports Agency DevOps

INTEGRATING LOW-CODE INTO COLLABORATIVE DEVELOPMENT ENVIRONMENTS

- Modular architecture speeds time to deployment
- Development processes integrate well in-to Agile project management tools
- Componentized solutions allow development, testing, and QA to work in parallel
- Application exports are easily stored in external artifact repositories

Time to value is critical when agencies are evaluating the merits of enterprise IT programs. Increasingly, agencies are turning towards DevOps as a way to accelerate development and bring capabilities to their end users quicker. Integrating development and operations teams together allows for continuous delivery by creating the right environment to allow for more frequent releases when coupled with agile development processes.

In traditional thinking, COTS software does not fit well into a DevOps model. The nature of this type of tool is that the entire product has to be released at the same time. That thinking has been turned on its head with the rise of low-code application development platforms. While these platforms are technically considered COTS, as they come packaged from an OEM, the applications built on top of them are entirely customer developed. Thus, a low-code development platform provides agencies with the best of both worlds:

- The product assurance and continual improvement of the COTS toolset, and
- The flexibility and modularity of apps that integrate into a DevOps environment.

Appian for DevOps

THE APPIAN LOW-CODE APPLICATION DEVELOPMENT PLATFORM SUPPORTS THE SEVEN MAJOR DEVOPS CATEGORIES:

- 1. Code:** Data elements, business, rules, forms, and other interfaces are version controlled from within the COTS package. Requirements, release numbers, and other documentation can be stored within the COTS package or in an Agile project management tool (such as JIRA)
- 2. Build:** All components built in the platform are available for immediate use or testing by authorized users. Developers building forms, work alongside business analyst developing and testing rules. These activities are synchronized by built in tools within the software.
- 3. Test:** Appian includes automated testing tools for performance testing and integrates well with industry standard tools such as JMeter and FitNesse.
- 4. Package:** Appian automatically groups application artifacts within its development environment. These artifacts live within the COTS environment but can be packaged for export to an external artifact repository.
- 5. Release:** As a native BPM platform, many Appian customers manage release approvals from within the product. Once components are available, they can either be released as part of an entire application build or continuously integrated into the application.
- 6. Configure:** Appian simplifies infrastructure configuration by offering the entire platform within the cloud. This removes significant complexity from app deployment and offers a reliable and stable base to ensure the application performs to spec.
- 7. Monitor:** Appian customers make use of industry standard tools and methods for monitoring application performance.



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And, the Appian low-code platform allows agencies to minimize the complexity of application development across domains. Managed from a centralized IT group, disparate groups of application developers can work on the same platform.

Recognized as a leader in digital transformation through our Dynamic Case Management capabilities, Appian is distinct from traditional Case Management vendors in that our low-code platform provides all of the following:

- Appian Records for integrated information views
- Document Management
- Full support for both Structured, and Unstructured Processes
- Native Mobile Application
- Real-Time Reporting
- Scalable, enterprise-class power
- Secure Cloud solution capable of storing sensitive PII data
- The ability to deploy multiple solutions within a shared, platform as a service environment

FOCUS ON BENEFITS

- Reduced Cost
- Increased Productivity
- Improved Responsiveness
- More Consistent User Interface across Apps
- Improved Customer Service
- Improved Risk Management
- Improved Compliance
- Increased Accountability

FOCUS ON OUTCOMES

- Decrease application/system development cycles
- Integrates easily into existing environments
- Fewer IT hand-offs
- Lower Total Cost of Ownership
- Decrease problem resolution times
- Increased collaboration amongst IT and Business teams

FOCUS ON DEVOPS

- The Appian platform is built for Agile development environments
- Development, QA, and Operations can work within the platform simultaneously performing their respective tasks
- Removes the need to manage multiple system architectures, thus lowering costs
- Collaborative design environment aligns business and IT

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Business Process Management: Appian uses a systematic approach to making an organization's workflow more effective, more efficient and more capable of adapting to an ever-changing environment

Dynamic Processes: Allows business processes to be adaptable, while retaining audit history

Appian Records: Unify information from multiple legacy sources on any topic and view it in a single cohesive interface

Business Rules: Create and manage shared, enterprise business rules to speed up development and centralize knowledge

Shared Infrastructure: Take advantage of the ability to deploy a variety of applications across multiple use cases while eliminating the need to support multiple systems

Native mobility: Launch on any device so action may be taken...anywhere

Low-code: Use drag-and-drop, point-and-click design to launch applications, fast

Appian

Appian delivers a modern enterprise platform for digital transformation that is accelerating solution delivery for the benefit of Government stakeholders. Powered by Business Process Management (BPM) capabilities, Appian's approach enables critical services at a lower cost than traditional software development methodologies. With Appian, Federal Government key initiatives, including: Constituent

Case Management, Regulatory and Statutory Compliance, Eligibility and Enrollment, Investigative Case Management, and Acquisition and Procurement can be easily deployed using our low-code approach, both in the cloud and on-premises.

For more information, visit www.appian.com