Mobile development as a service featuring IBM® Worklight and Apperian® EASE®

Highlights:

- The IBM Worklight integrated development environment (IDE) supports cross-platform mobile application development in a native fashion
- IBM Worklight IDE functions on both Android and iOS devices
- Apperian provides enhanced security policies, application control, and application signing for applications created in IBM Worklight
- Apperian provides management for native, web, hybrid, and public store application types
- Hosted in Federal Information Security Management Act (FISMA)/ Department of Defense Information Assurance Certification (DIACAP)-compliant IBM Federal Data Centers
- Convenient monthly subscription rates based on per user consumption model

The number of mobile devices connected to the internet is expected to soon exceed world population, over 10 billion by 2017.[1] Government agencies need dependable, secure, and scalable mobile solutions to satisfy demands for IT services delivered on mobile devices. IBM has the answer. We offer IBM Worklight and Apperian as a pre-integrated software as a service (SaaS) solution, capable of supporting the full mobile application life cycle, in a process that satisfies government IT security requirements.

This means government agency developers can securely make new applications and versions available to an entire organization right from the IBM Worklight Eclipse-based interface by "right clicking" and publishing instantly using the IBM Worklight metadata. And, applications developed on the IBM Worklight platform work across mobile device type, so application delivery to iOS, Android, and Blackberry devices is accomplished consistently and efficiently

Solution overview

Mobile needs government agencies face varies during the mobile app lifecycle. First application providers need to build and test their apps. They need to get feedback to build better apps and need a means to deliver updates. Second, IT needs to support practically every user in the enterprise because virtually everyone will have at least one mobile device. They are also responsible for protecting government data and driving user adoption. Lastly, mobile users want agency apps to behave like their personal apps with intuitive user experiences. They also want one device that can handle both their personal and work related information.

Source:

- Developers can export apps from their development environment directly, providing a seamless workflow of app-signing, app inspection and app policies to an organization.
- There are no cumbersome hand-offs from development to IT with version confusion.
- IBM Worklight provides a feedback loop from users to developers on bug reporting and feature requests—ultimately creating better mobile apps for end users.

Protect:

- Once an app has been sourced and imported, Apperian enables inspection and provides an app privacy and security grade scale.
- Apps are also scanned for malware, giving IT peace of mind.
- Security policies can also be applied to existing apps to create "self-defending" apps. These policies don't require the source code or a software developer kit.
- Policies protect data at rest with FIPS 140-2 encryption and required passcode enforcement. Even if a mobile device doesn't have a pass code lock, agency apps do.
- An app-level virtual private network (VPN) can also be applied to an app without coding and provides a secure connection between the app and the agency network, so only traffic from the app is travelling over the corporate network, not personal app traffic.

Manage:

- The Apperian platform provides a unified admin console to manage all aspects of the app lifecycle.
- Rich analysis and reporting provides detailed information on users, apps and devices.
- Most importantly, the Apperian solution allows users to have both work-related and personal apps and data on a single device while providing IT with a way to manage just the agency-issued apps and data.

Deploy:

- The solution can scale and handle the deployment of apps to 10's of thousand of users and scale virtually overnight.
- Users are provided with a native app catalog that can be customized for agency needs.
- Apps can be served out to users based on their role.
- Users are also encouraged to provide feedback and ratings on apps and submit ideas for new apps, which brings users and developers closer together.

Benefits

IBM Worklight provides an open, comprehensive and advanced mobile application platform that can help you efficiently develop, run, and manage HTML5, hybrid, and native applications, using standards-based technologies and tools, mobile-optimized middleware, a variety of security mechanisms, and integrated management and analytics capabilities. The IBM Worklight Application Center was designed for the development and test phase, with tight linkage between developer and tester during development. Apperian is suited to the next phase of the app lifecycle, where the app is "in the wild" within an agency, and app adoption becomes critical.

Why IBM?

The ability to create a highly interactive and branded "enterprise app store," along with a high degree of scalability based on its cloud architecture, makes the combination of IBM Worklight and Apperian EASE virtually unbeatable. Apperian is designed to be turned on instantly by enterprises that are already engaged with IBM Worklight either within their agency or by system integrators or development partners. Features such as the ability to publish into a "partner" or "customer" catalog, and then to have a workflow applied to the app along with full "enterprise app signing" makes large scale deployments a breeze.

For more information

- www.ibm.com/federal/cloud
- www-03.ibm.com/software/products/us/en/worklight/
- www.apperian.com

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Route 100
Somers, NY 10589
U.S.A.

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Source:

1 Cisco Visual Networking Index: Global Mobile Data Traffic Forecast Update, 2012–2017, February 2013, http://www.cisco.com/en/US/solutions/collateral/ns341/ns525/ns537/ns705/ns827/white_paper_c11-520862.html

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