Overview of CA Management Cloud for Mobility
CA Management Cloud for Mobility from CA Technologies enables companies to create and manage their mobile environments, helping users get more work done while protecting critical business data and user privacy.
Executive Summary

Challenge

Today’s businesses are on the move. Customers, suppliers and employees are communicating and collaborating through software virtually anywhere at any time. Enterprise IT organizations are struggling to meet the expectations of mobile users while maintaining control of the profusion of devices, applications and content. They are striving to enable your business to deliver new and innovative services more quickly while ensuring the security of your data and the privacy of your users.

In the past, enterprise mobility projects frequently have been siloed efforts driven by individual business units in which each project team makes its own decisions on architecture, tool selection and methodology. This approach inevitably has led to an inefficient use of resources, lack of functionality, incompatible applications and implementation delays.

Opportunity

CA Management Cloud for Mobility is an integrated technology platform that enables enterprises to develop, deploy and manage a comprehensive mobile environment. It is comprised of three complementary solution suites: Enterprise Mobility Management (EMM) to manage and secure mobile devices, applications and content; Mobile DevOps to accelerate application development and deployment; and Enterprise Internet of Things (IoT) to enable the adoption of Internet-connected devices.

CA Technologies enables enterprises to integrate mobility management with existing IT infrastructure. CA Management Cloud for Mobility provides a single pane of glass approach to enterprise mobility management that fully integrates mobile solutions as an application delivery platform alongside other application delivery platforms. These offerings are available as an on-premises or SaaS solution.

Benefits

CA Management Cloud for Mobility helps enterprises transform the challenges of the new app economy into significant opportunity. With solutions that power innovation, drive productivity and accelerate the development of new mobile applications and offerings, CA Technologies is enabling IT management to help businesses capitalize on the next technological and business shift. Fueled by the industry’s only Smart Containerization™ technology, enterprises can manage the security, performance, compliance and support characteristics of devices, applications, content or email while preserving the quality of the mobile user experience.
Section 1:
Challenges of Implementing a Mobility Solution

Deploying an effective mobile infrastructure is dependent on capitalizing on the unique characteristics of mobility platforms compared with other application delivery platforms, while recognizing that the mobile channel will require a similarly scalable, high performance and secure infrastructure. A mobile infrastructure must be flexible and robust enough to support many and various devices, applications and the emerging Internet of Things.

To enable the most productive applications, a mobility environment must be able to seamlessly and securely connect your mobile workforce to the enterprise’s back-end systems. In addition, your IT staff and line of business teams must be prepared to keep up with an always-on business world and 24x7 connected customers.

To be effective, the management of mobile devices, as well as the development and distribution of mobile applications, must be integrated with the operations, performance, security and availability characteristics of the overall business. The mobile platform must operate alongside other existing application delivery channels such as mainframe, cloud and virtualized infrastructures.

Section 2:
CA Technologies Solution

“The CA Management Cloud for Mobility will help enterprises transform the challenges of the new mobile economy into significant opportunity.”
– Ram Varadarajan, CA Technologies General Manager of New Business Innovation

CA Management Cloud for Mobility provides an integrated technology platform that enables enterprises to develop, deploy and manage an effective mobile solution. It extends CA Technologies leadership in enterprise management, security and scalability to address the challenges presented by the management of mobile devices and applications within the enterprise. The solution is comprised of three complementary suites:
**Smart Containerization™**

Smart Containerization is the underlying technology behind the CA Management Cloud for Mobility portfolio. Smart Containerization dynamically applies context-driven collaboration and content access policies on mobile devices on an individual document basis. Smart Containerization technology enables IT to dynamically control mobile device, application and email provisioning policies at a granular level. Unlike traditional device-focused mobility management techniques, Smart Containerization enables enterprises to manage the security, performance, compliance and support characteristics of any mobile assets while preserving the quality of the user experience. Smart Containerization associates a policy describing security, performance and support requirements with individual content, emails, apps or devices. Thus, a single file, mail, app or a device is protected within a smart container, which enforces policies appropriate to the type of content being managed. For example:

- A mobile app may have a policy controlling where (a geographic location or Wi-Fi network) it can execute.
- A single email may have an encryption policy applied to it based on its content, or the email may have a policy that prevents it being forwarded outside the enterprise.
- A document may have a policy preventing it from being stored locally on the device.
- An application may have a policy that collects and reports the performance characteristics of the device or itself.

Smart Containerization is unique in delivering the best cast interface experience that end users insist on and provides advanced security features such as support for the latest platform security features, complete management benefits beyond security and robust multi-factor authentication. It is also truly borderless and multi-channel supporting of mobile as well as non-mobile devices.

**Enterprise Mobility Management**

The EMM suite of products provides comprehensive management of devices, applications, content and email and delivers these services securely for all types of mobile devices. The suite offers consistent security, performance, compliance and support across the mobile enterprise and helps drive cost efficiencies, enhance productivity and secure enterprise infrastructure simply and effectively. The following are the key features of each of these products:
CA Mobile Device Management (CA MDM) is a highly scalable solution that manages various mobile platforms including iOS, Android, BlackBerry and Windows® desktop end points. It has a comprehensive policy framework for enrolling, configuring and onboarding enterprise applications. A broad range of enforcement capabilities allows IT to apply the appropriate level of device, data and application security for each user’s role in the enterprise. Comprehensive usage analytics enables IT to track inventory, Telecom Expense Management, device trend analysis and security compliance. In addition, a self-service portal streamlines enrollment and provisioning of devices for Bring Your Own Device (BYOD) programs. The portal allows users to remotely locate, lock and wipe a lost device; reset the passcode; remove enterprise controls; and unregister a device.

CA Mobile Application Management (CA MAM) provides enterprise customers with the ability to secure, manage and control mobile applications and the data these applications access. Using CA MAM, IT can enforce a detailed security policy on the usage of mobile applications, helping manage and secure data on mobile devices. It pushes security, control and management features up from the device into the application layer to enable IT to define fine-grained access policies to mobile applications as well as control the distribution of applications to mobile users. These features allow IT to provide employees and customers with enterprise applications and data access, based on roles, without the need to take full control of their personal devices.

CA Mobile Content Management (CA MCM) enables unified access to disparate content repositories. It helps employees become more productive with the use of a single and secure mobile app to help them access all of their content whether at the office or on the road. Corporate policies are enforced to control who has access to specific data and ensure the access is secure. CA MCM also provides collaboration over disparate content with other users within and outside the enterprise. Policies for data encryption and data removal, in instances of theft or loss, are enforced if corporate content is accessed on employee owned or enterprise provided devices. In addition, CA MCM provides users with high value services, such as federated search across the pool of user content sources.

CA Mobile Email Management (CA MEM) provides a secure, native email experience for mobile devices while securing sensitive corporate email information. CA MEM prevents email access by unmanaged or non-compliant devices and protects confidential data within the mobile inbox. Based on corporate policies, CA MEM automatically classifies content and enforces control. While blocking, warning or monitoring potential incidents is critical to data protection, the ability to automatically encrypt data allows for normal mobile device usage and employee interaction with customers without compromising security. The combination of policy and classification delivers end-to-end, data-centric security that enables enterprises to conveniently engage in business while maintaining a native mobile user experience.

CA MEM is based on unique software-based, two-factor authentication security. This enables an enterprise to control the combination of user and device that can decrypt protected emails, protects emails against compromise even if an attacker steals and jailbreaks a mobile device and provides a robust audit trail that enables critical data loss incidents to be managed.
Mobile DevOps

Mobile DevOps is a comprehensive suite of modular products that enables enterprise IT to accelerate the development, delivery and support for mobile applications. This solution suite helps enterprises achieve faster time-to-market by speeding up application delivery cycle while ensuring robust security. Through the use of multiple development tools, languages and methodologies, Mobile DevOps makes it easy to build and test rich API-based mobile applications. It assists developers in gaining insights into performance and user experiences through detailed crash and log analytics of their mobile applications, and scales to support these mobile applications when deployed onto millions of devices.

The Mobile DevOps suite comprises the following technologies:

**CA Mobile App Analytics** comprehensively analyzes the health, performance and usage of mobile apps running in real world environments. Working across multiple development tools, languages and methodologies, CA Mobile App Analytics enables the delivery, management and support of mobile applications by providing deep insights into performance, user experience, crash and log analytics.

**CA Mobile API Gateway** enables enterprises to selectively open their data and applications to both internal and third-party developers, integrating with existing Identity Access Management (IAM) solutions for a plug-and-play solution. The API Gateway deploys in a variety of form factors, easily scales and can be deployed in a failover environment for high availability.

**CA Service Virtualization** accelerates and simplifies the development process by freeing developers from requiring full-scale product systems to test mobile apps against during the development cycle.

**CA Mobile Cloud** provides developers with a cloud-based on-demand portfolio of mobile devices with which to test a mobile app. This solves the difficult problem of not having a broad enough range of devices to test a mobile app.

**CA API Developer Portal** aggregates and secures back-end APIs into existing enterprise systems, enabling simpler APIs to be published to mobile app developers, accelerating and simplifying the development process while providing greater security by streamlining API access to back-end systems.
Enterprise Internet of Things

Ubiquitous connectivity, advancements in big data analytics and the ability to embed computing into virtually everything have led to the rise of the IoT phenomenon. While “Internet of Things” is usually associated with appliances of all kinds connecting to the Internet, IoT takes on a different meaning in the enterprise; the trend for each user to have multiple devices and the increasing use of multiple autonomous software agents on those devices interacting with each other on behalf of the user will present an enterprise management challenge of unprecedented scalability.

Soon to be released, the Enterprise Internet of Things (IoT) suite from CA Technologies will enable enterprises to deploy Internet-connected devices and manage and secure potentially billions of Machine-to-Machine (M2M) and software agent interactions.
Section 3:
Benefits of CA Management Cloud for Mobility

CA Management Cloud for Mobility enables the development of new mobile applications and offerings, driving productivity and innovation with your customers and throughout your organization. It provides the following benefits:

• Helps reach new customers via new channels, thereby increasing revenue
• Enables you to deliver innovative customer service experiences
• Increases employee engagement while reducing operational cost
• Changes the asset to ownership model for enterprise computing devices

Management of devices, applications and content is simplified while driving employee productivity and customer satisfaction.

Smart Containerization technology manages security, compliance and support characteristics of devices, applications, content or email while preserving the quality of the mobile user experience.

CA Management Cloud for Mobility enhances customer services by improving access to resources while reducing response times. By supporting BYOD policies, companies allow users to choose their own devices, increasing employee satisfaction and lowering capital expenses.

Section 4:
The CA Technologies Advantage

CA Technologies provides IT management solutions that help customers manage and secure complex IT environments to support agile business services. Organizations leverage CA Technologies software and SaaS solutions to accelerate innovation, transform infrastructure and secure data and identities, from the data center to the cloud. CA Technologies is committed to ensuring that our customers achieve their desired outcomes and expected business value through the use of our technology.

CA Management Cloud for Mobility extends CA Technologies leadership in enterprise management, security and scalability to address the challenges presented by the management of mobile devices, applications and content within the enterprise.
Section 5:
Next Steps

Do these points seem familiar?

- You need to manage “mobile” alongside other computing channels but you are unable to, with the result that “mobile” is managed as a silo
- It is taking too long to capitalize on the mobility revolution by bringing new apps to market
- Your BYOD program is not meeting your users’ needs
- You are struggling to enforce consistent security policy across mobile and non-mobile channels
- You are unable to enforce security policies outside, as well as inside, the enterprise
- You are unable to support mobile apps in an end-to-end manner, with current solutions unable to provide “last mile” visibility down to the handset or tablet

If you are attempting to implement a mobile solution and any of the above points seem familiar, speak to CA Technologies about CA Management Cloud for Mobility.

To learn more about our mobility solutions, visit ca.com/mobility
For more information about CA Technologies, visit ca.com
The CA Technologies Advantage
CA Technologies (NASDAQ: CA) provides IT management solutions that help customers manage and secure complex IT environments to support agile business services. Organizations leverage CA Technologies software and SaaS solutions to accelerate innovation, transform infrastructure and secure data and identities, from the data center to the cloud. CA Technologies is committed to ensuring our customers achieve their desired outcomes and expected business value through the use of our technology. To learn more about our customer success programs, visit ca.com/customer-success. For more information about CA Technologies go to ca.com.