# 1M Secure Apps - Containerization

About 1Mobility

1Mobility has successfully established itself as a global company, offering cloud based, internationalized and scalable Enterprise Mobility Management (EMM) solution that monitors, manages and supports mobile devices across platforms (Android, iOS, BlackBerry, Windows), service providers and manufacturers.

1Mobility has a team of dedicated and talented professionals with over 8 years of innovative software development believes that "today, Enterprise Mobility though not mandatory, is a fact of business life for various obvious reasons like increased productivity, cost savings, competitive advantage and better customer engagement."

Having serviced industries like Banking, Financial Services, Insurance, Technology, Education, Pharmaceutical, Communication & Media and Government and initial focus on the emerging markets, 1Mobility provides affordable solutions either cloud based or privately installed, enabling over-the-air distribution of mobile applications, configuration settings and security policies to corporate owned or employee owned (BYOD) devices through a central web console. No matter what type of organization it is, 1Mobility has affordable solutions and services for all, be it initial, advanced or matured enterprise mobility.

1Mobility offers following solutions

- Enterprise Mobility Management (EMM) through consulting, development and managed services
- Data Loss Prevention (DLP) of Mobile Data
- Compliance enforcement and monitoring
- Containerization
- BYOD Management
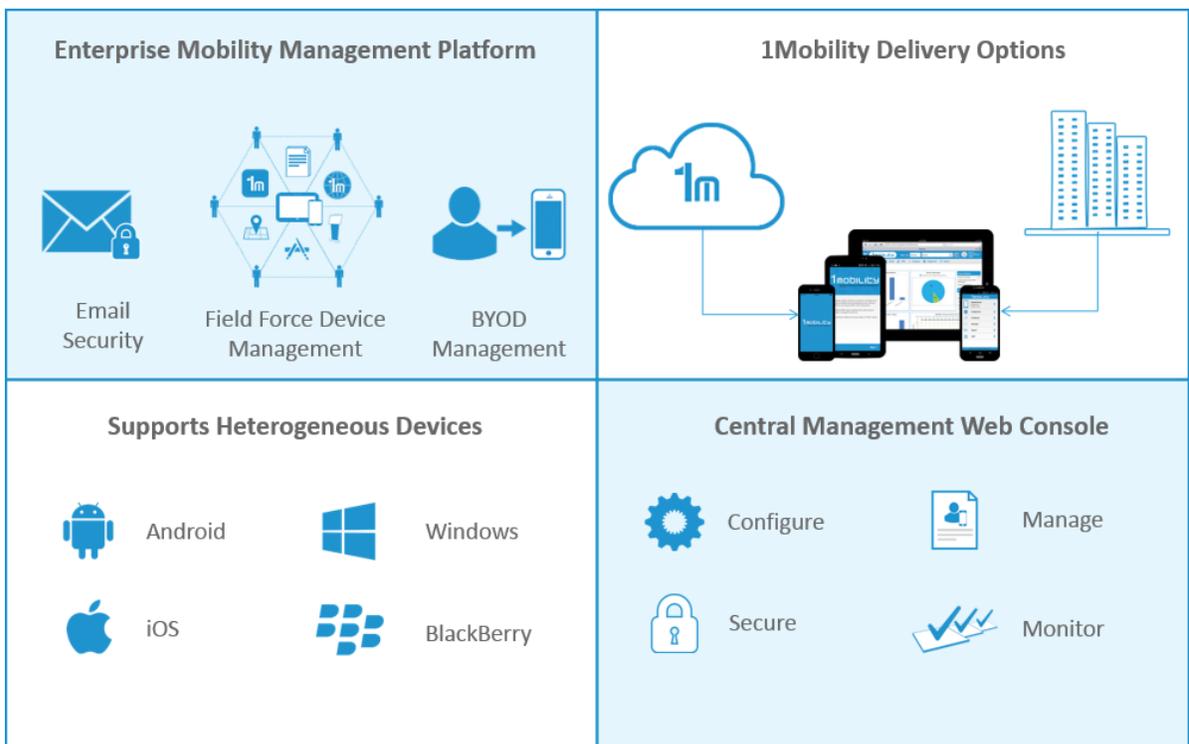
For further information, please visit the 1Mobility website at http://www.1Mobility.com

1M Secure Apps

Mobile Apps bring the real productivity, so they are the core to the enterprise mobility strategy. Once have you enabled basic communication and collaboration through secure emails, the next steps is to enable the corporate data beyond emails. You may choose to build custom Apps in house or through third party developers. You may even use publicly available Apps or extend functionalities of the Apps provided by your ERP, CRM or any other business workflow systems. Though security should not be addendum and needs to be thought upfront, you may need a way to secure the existing Apps that align with your rest of the policies and compliances defined for mobile data

Solution

The exclusive purpose of containerizing an App is

- ▶ Isolate corporate data
- ▶ Data Loss Prevention (DLP) for data at rest and data in motion
- ▶ Seamless application of corporate security policies and enforce compliances, example Single Sign-on, creating secure tunnel for data in motion, integration with LDAP authentication

"1M Secure Apps" brings you an easy, consistent and comprehensive solution to secure the data at rest and in motion without really making any code changes to the original App. This saves time and efforts and ensures consistent DLP strategies and compliance enforcement across suite of your productivity Apps.

"1M Secure Apps" solution includes following features

- ▶ Passcode policy
- ▶ Single Sign-on (SSO)
- ▶ App Tunnel - secure tunnel for data travel
- ▶ Compliance enforcement like disallowing jailbroken/rooted devices
- ▶ App Usage Analysis
- ▶ App Data Encryption
- ▶ Data Loss Prevention (DLP) by configuring policies for
  - • Composing Email
  - • Bluetooth
  - • Location Services
  - • Screen Capture
  - • Wi-Fi Connection (App Access only via Wi-Fi or Whitelisted Wi-Fi)
  - • Cellular Data (App Access via Mobile Data (always/never/while roaming)
  - • Offline Access

Process

You can upload your enterprise App on 1Mobility Management Console and system "wraps" the App with appropriate policies. In a defined timeframe, the App with additional security layer gets ready for over-the-air distribution through Enterprise App Store (MAM). On end user's mobile device, there are identification and authorization checks performed to ensure activation of such Apps only by authorized users and devices. If the security policies change, you just need to modify the configurations defined under 1M Secure Apps. You don't need to regenerate the wrapped App or redistribute. The only time you need to redistribute the App is when you have a newer version of the App.

Android

The process is same as described above for Android Apps.

Android Workspace

1Mobility also provides a "Workspace" solution which can hold all the secure enterprise Apps and apply the security policies as well as authentication collectively. It also allows seamless and secure communication between the Enterprise Apps.

iOS

Enterprise Apps.1M Secure Apps solution uses capabilities of iOS platform such as allowing to open app in specified application list, App Tunnel for secure data travel, Single Sign-on and other Data Loss Prevention (DLP) is achieved through a SDK which can be easily integrated with any Enterprise Apps. Please note that Apple doesn't permit modifications to the publicly available through Apple Store. You may use our Enterprise App store to distribute the wrapped apps.

Summary

1Mobility's Containerization solution helps organizations to separate the corporate Apps and Data and apply default as well as customized security policies without interfering any non-corporate Apps or data or even the user experience when not using corporate Apps. Containerization is a powerful tool that strengthens management of mobile data and Apps in various industries like but not limited to Education, Healthcare, Government, Manufacturing, Pharmaceutical, Banking and Insurance