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Introduction

Audience: These instructions are intended for a developer or MDM (Mobile Device Management) expert who is familiar with Google's signing and deployment process and who is also familiar with the details of deploying an application with a selected MDM vendor.

The Security Toolkit for Oracle Business Intelligence Mobile provides the ability to generate a signed version of the Oracle BI Mobile for Android application. The toolkit includes the APK file and details for re-signing and repackaging the APK for 'wrapping' with an appropriate MDM vendor.

The Security Toolkit for Oracle Business Intelligence Mobile will be updated on a regular basis in order to synchronize with the Oracle BI Mobile for Android application available on the Google Play Store.

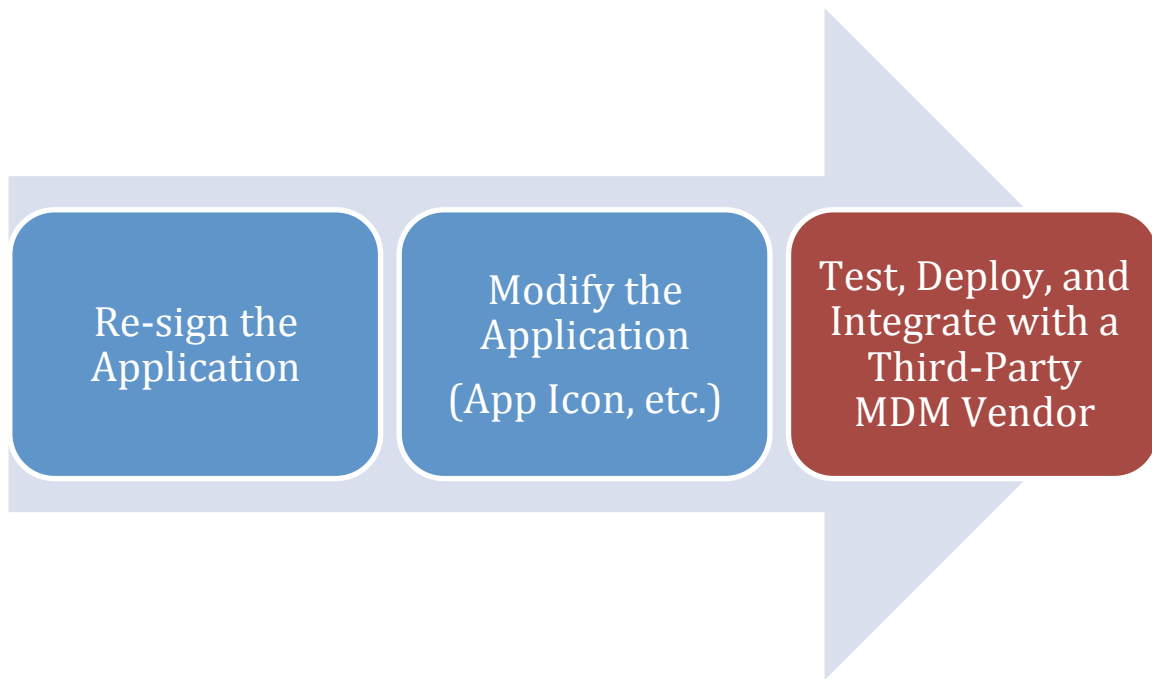
Updates to the Security Toolkit for Oracle Business Intelligence Mobile are delivered in alignment with the releases of the Oracle BI Mobile for Android application. As these updates are provided on an on-going basis, the expectation is that organizations update their Oracle BI Mobile for Android applications either through the Google Play Store or through the Security Toolkit.

In both cases, the ability to provide incremental updates is not supported. For the application that is accessed through the Google Play Store, the application will be replaced with the latest version available. For the application updates through the Security Toolkit, a complete new package of files is provided.

Overview of Creating an Application

Below is a diagram that shows the high-level process of creating an application for deployment in your organization's enterprise application store.

The final step requires you to work with your IT department, the team in charge of your enterprise distribution, and your MDM vendor. This final step will vary from organization to organization.



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Re-sign the Application

You must re-sign the application with a proper certificate for your organization. If you do not re-sign the application, you run the risk of the app being updated with a Play Store version.

When signing any Android application, first you need to make sure you have a working knowledge of the Android signing process. Details can be found here:

<http://developer.android.com/tools/publishing/app-signing.html>

There are many techniques for re-signing an APK file. You should follow the technique recommended by your MDM vendor or a technique that is familiar to you.

Oracle DOES NOT provide any specific tools for re-signing.

Modify the Application

To modify the application for things like application name or launch icon, use an APK tool such as <https://code.google.com/p/android-apktool/>. You should use a tool provided by your MDM vendor or one that is familiar to you.

When making modifications to resources, you should be familiar with the requirements for that specific resource. For example, if you plan to change the launch icon, then you should be familiar with Android guidelines for icons. See iconography information here:

<http://developer.android.com/design/style/iconography.html>