If your enterprise is working with a Mobile Device Management (MDM) vendor or a
Mobile Application Management (MAM) vendor, use this document to prepare the
Oracle BI Mobile application for enterprise deployment. This document shows you
how to create a wrapped mobile app from Oracle BI Mobile.

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Audience

The intended audience for these instructions is the 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.

About the Security Toolkit for Oracle Business Intelligence Mobile

If your enterprise is working with a Mobile Device Management (MDM) vendor or a
Mobile Application Management (MAM) vendor, use this document to prepare the
Oracle BI Mobile application for enterprise deployment. This document shows you
how to create a wrapped mobile app from Oracle BI Mobile.

The Oracle Business Intelligence Mobile Security Toolkit 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.

How Are Updates to Oracle BI Mobile and the Security Toolkit Delivered?
You update your Oracle BI Mobile application through the Google Play Store or through the Oracle BI Mobile Security Toolkit.

The Oracle BI Mobile Security Toolkit is updated on a regular basis in order to synchronize with the Oracle BI Mobile application available on the Google Play Store. Toolkit updates are delivered in alignment with the releases of the Oracle BI Mobile application. As these updates are provided on an on-going basis, users must periodically update their Oracle BI Mobile applications—either through the Google Play Store or through the Oracle BI Mobile Security Toolkit.

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**Note:** Whether you update your application through the Play Store or through the Security Toolkit, the ability to provide incremental updates is not supported. For updates accessed through Google’s Play Store, your installed application is replaced with the latest version available. For updates through the Oracle BI Mobile Security Toolkit, a completely new package of support files and libraries is provided.

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**Overview of Creating an Application**

This topic describes the high-level process of creating an application for deployment in your organization's enterprise application store.

The first two steps in this process are documented in detail; 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-Signing 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 your toolkit-installed BI Mobile application being updated with a version from the Google Play Store.

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

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.

**Note:** Oracle does not provide any specific tools for re-signing.

### Modifying the Application

You can modify the application for things like application name or launch icon.

Use an APK tool such as the one found here. 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.