

Oracle® Retail Mobile Merchandising

Installation Guide

Release 14.1.1

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Primary Author: Nathan Young

Contributors: Steve Line, Daniel Balm, Matthew Scheele, Gopal Edara, Harish Ramamurthi

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- (ii) the **Wavelink** component developed and licensed by Wavelink Corporation (Wavelink) of Kirkland, Washington, to Oracle and imbedded in Oracle Retail Mobile Store Inventory Management.
- (iii) the software component known as **Access Via**™ licensed by Access Via of Seattle, Washington, and imbedded in Oracle Retail Signs and Oracle Retail Labels and Tags.
- (iv) the software component known as **Adobe Flex**™ licensed by Adobe Systems Incorporated of San Jose, California, and imbedded in Oracle Retail Promotion Planning & Optimization application.

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Oracle Retail Mobile Merchandising, Installation Guide, Release 14.1.1

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document.

Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

Note: Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the Online Documentation available on the Oracle Technology Network Web site. It contains the most current Documentation Library plus all documents revised or released recently.

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Please give your name, address, electronic mail address, and telephone number (optional).

If you need assistance with Oracle software, then please contact your support representative or Oracle Support Services.

If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at www.oracle.com.

Preface

This Installation Guide describes the requirements and procedures to install this Oracle Retail Mobile Merchandising release.

Audience

This Installation Guide is written for administrations that help push Oracle Retail Mobile Merchandising to the App Store.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

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Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Related Documents

For more information, see the following documents in the Oracle Retail Mobile Merchandising Release 14.1.1 documentation set:

- *Oracle Retail Mobile Merchandising Release Notes*
- *Oracle Retail Mobile Merchandising User Guide*
- *Oracle Retail Mobile Merchandising Implementation Guide*
- *Oracle Retail Mobile Merchandising Security Guide*

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL: <https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 14.1) or a later patch release (for example, 14.1.1). If you are installing the base release or additional patch releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch releases can contain critical information related to the base release, as well as information about code changes since the base release.

Improved Process for Oracle Retail Documentation Corrections

To more quickly address critical corrections to Oracle Retail documentation content, Oracle Retail documentation may be republished whenever a critical correction is needed. For critical corrections, the republication of an Oracle Retail document may at times **not** be attached to a numbered software release; instead, the Oracle Retail document will simply be replaced on the Oracle Technology Network Web site, or, in the case of Data Models, to the applicable My Oracle Support Documentation container where they reside.

This process will prevent delays in making critical corrections available to customers. For the customer, it means that before you begin installation, you must verify that you have the most recent version of the Oracle Retail documentation set. Oracle Retail documentation is available on the Oracle Technology Network at the following URL:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

An updated version of the applicable Oracle Retail document is indicated by Oracle part number, as well as print date (month and year). An updated version uses the same part number, with a higher-numbered suffix. For example, part number E123456-02 is an updated version of a document with part number E123456-01.

If a more recent version of a document is available, that version supersedes all previous versions.

Oracle Retail Documentation on the Oracle Technology Network

Oracle Retail product documentation is available on the following web site:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

(Data Model documents are not available through Oracle Technology Network. You can obtain them through My Oracle Support.)

Conventions

Navigate: This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

This is a code sample

It is used to display examples of code

Preinstallation Tasks

Technical Concepts

The installer should understand the following technical concepts:

- JDeveloper 12.1.3
- Application servers
- XML manipulation
- Apple Enterprise Development setup and deployment
- Certificate creation and deployment

Technical Specifications

Runtime Support and Certification Matrix

Mobile Operating System	Version	Mobile Application Framework (MAF) Certified Devices	MAF Supported Devices	RGBU Certified Devices
iOS	8.1, 8.2	<ul style="list-style-type: none"> ▪ iPhone 6 (8.2) ▪ iPhone 6 (8.1) ▪ iPhone 5S (8.2) ▪ iPhone 5 (8.1) ▪ iPad 4th gen (8.2) ▪ iPad 4th gen (8.1.2) ▪ iPad 3rd gen (8.1) ▪ iPad Air 2nd gen (8.1.3) ▪ iPad Air 1st gen (8.1) ▪ iPad Mini 3rd gen (8.1) ▪ iPad Mini 1st gen (8.1) 	<ul style="list-style-type: none"> ▪ iPhone (4S, 5, 5S, 5C, 6, 6 Plus) ▪ iPod Touch (5th generation) ▪ iPad (2nd, 3rd and 4th generation) ▪ iPad Mini (1st, 2nd and 3rd generation) ▪ iPad Air (1st and 2nd generation) 	<ul style="list-style-type: none"> ▪ iPhone 6 ▪ iPad Mini 1st gen

Build Time Support

Mobile Platform	Mobile SDK Version	Native development tool version	JDeveloper Version	MAF Version
iOS	iOS SDK 8.1, iOS SDK 8.2	Xcode 6.1.x, 6.2.x or 6.3.x	Oracle JDeveloper 12.1.3	2.1.2

Installing and Setting up the Application

This chapter describes how to install and configure JDeveloper and Oracle Retail Mobile Merchandising for iOS deployment.

Prerequisites

Deploying Oracle Retail Mobile Merchandising for use on an iOS device requires that you have a computer running Mac OS X set up for iOS development. For more information on the set up, including provisioning profiles and certificates, see Apple's documentation at <https://developer.apple.com/>. Additionally, you must have installed JDeveloper, Xcode and Oracle MAF extension. For more information, see their respective documentations.

Extracting Installer Artifacts

The artifacts required for installing Oracle Retail Mobile Merchandising are contained in the MobileMerchandising.zip file. Unzip this file to find the following:

File	Contents
maf-2.1200.20150423-1326-RELEASE.zip	This is the MAF extension that must be installed in Jdeveloper (see "Installing the MAF extension" below).
MerchMobileArchive.maa	The main application archive. (Required to install or customize Oracle Retail Mobile Merchandising)
PlatformMobileArchive.maa	The platform archive. (Required for some customizations.)
PlatformMobileSecurity.ear	The security EAR. (see "Platform Security Deployment" below).

Installing the MAF Extension

To install the MAF extension on already installed Jdeveloper, see [Installing Mobile Application Framework with JDeveloper](#).

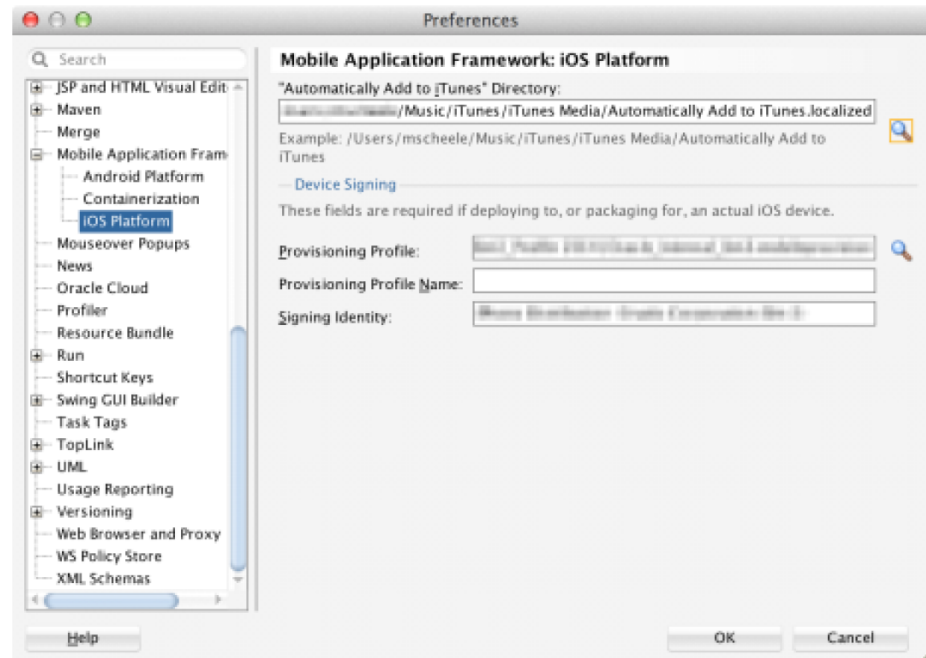
When you reach "Installing the MAF Extension in Jdeveloper" step 2, click the "Install from Local File" radio button and then locate and select the maf-2.1200.20150423-1326-RELEASE.zip file (from "Extracting Installer artifacts" above). Then skip to step 6.

Configuring JDeveloper for iOS Deployment

Configure JDeveloper using the following steps:

1. Launch JDeveloper.
2. Open the **Preferences** dialog from the JDeveloper menu.
3. Scroll down to **Mobile Application Framework** and expand it.
4. Select **iOS Platform**.
5. In the first box, select the **Automatically Add to iTunes directory**.

6. Fill in both the **Provisioning Profile** field with the location of the provisioning profile file and enter the name of the provisioning profile in the following field.
7. Enter the name of the signing identity corresponding to your development certificate.



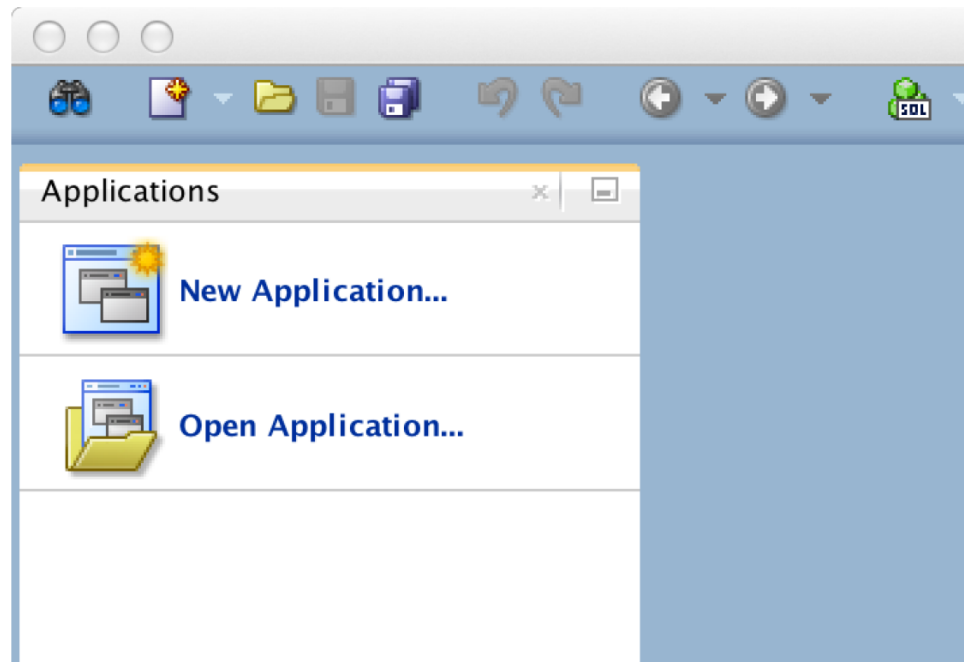
For more details on configuring JDeveloper to deploy to an iOS device, see *Oracle Mobile Application Framework Installing Oracle Mobile Application Framework 2.1.2* documentation.

Note: The profile mentioned in the picture is only for reference and customers must setup their own provisioning profiles to distribute the application.

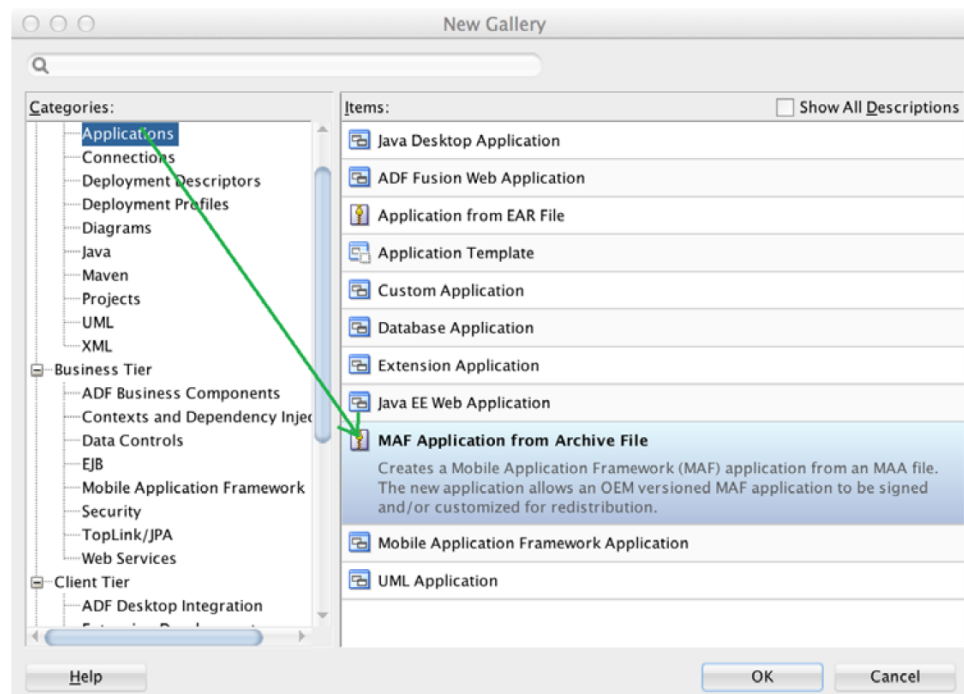
Creating a Workspace from the Archive

When you launch JDeveloper, you encounter an empty workspace (assuming no other application was open when you last closed it, in which case the first couple screens look slightly different). The first thing that must be done is to create a new application from the provided .maa files. Use the steps that follow:

1. Open the **New Application** dialog (or open the general **New** dialog and select **Applications**).

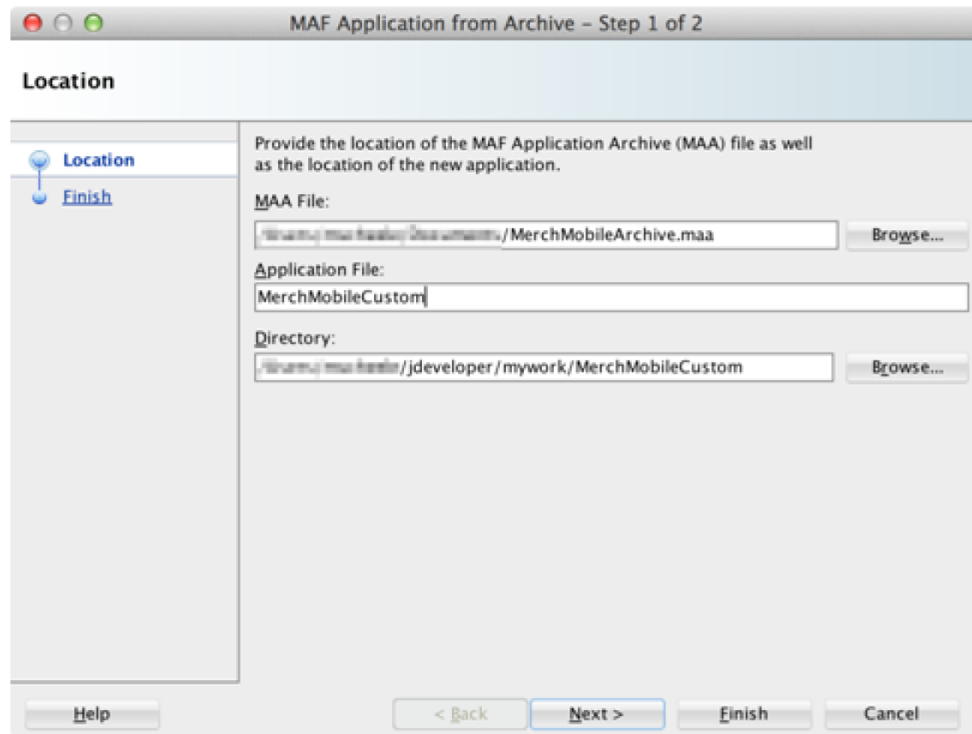


2. Select **MAF Application from Archive File** and click **OK**.



3. In the wizard that opens, select the .maa file you want to create a custom application from (the main Merchandising app is packaged as MerchMobileArchive.maa). For instructions on how to retrieve MerchMobileArchive.maa see section [Extracting Installer content](#).
4. Enter a name for your application.
5. You can also change where the application will be saved (by default, <workspace>/<application name>).

6. Click **Finish** when you have entered the necessary information.



Configuring Application Settings

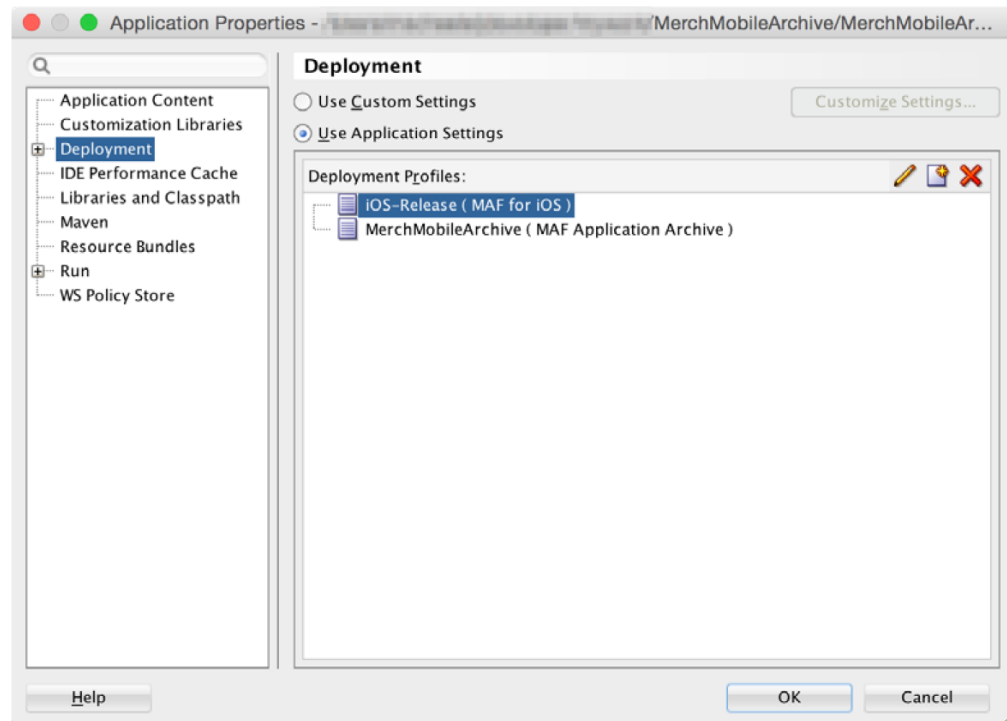
For instructions on how to configure settings such as service connections, see *Configuring the Application* Section in the implementation guide.

Configuring Application for iOS Deployment

To configure Mobile Merchandising for iOS deployment, use the following steps:

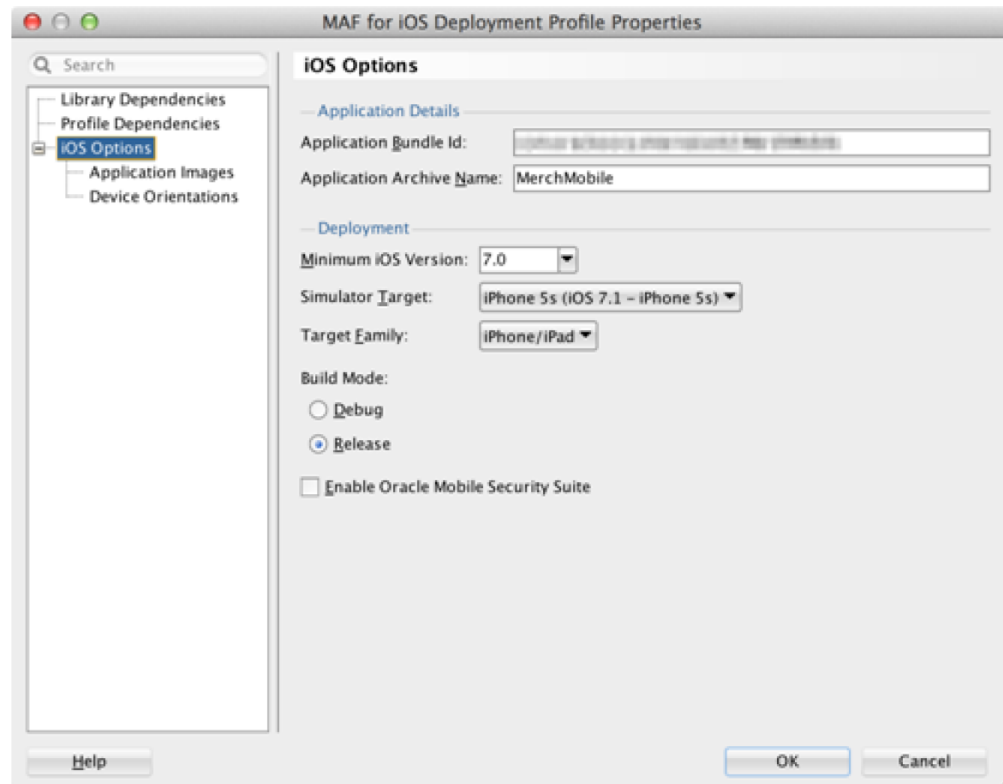
1. Open the **MerchMobile** workspace.
2. Open the application properties.

3. Under Deployment, select the **iOS-Release deployment** profile.



4. Confirm that under iOS Options you have the correct application bundle and name (for more information about application bundles, refer to *Oracle Fusion Middleware Developing Mobile Applications with Oracle Mobile Application Framework Documentation*.)
5. Confirm that the application deploys in **Release Mode**.

6. Check the other settings as needed.



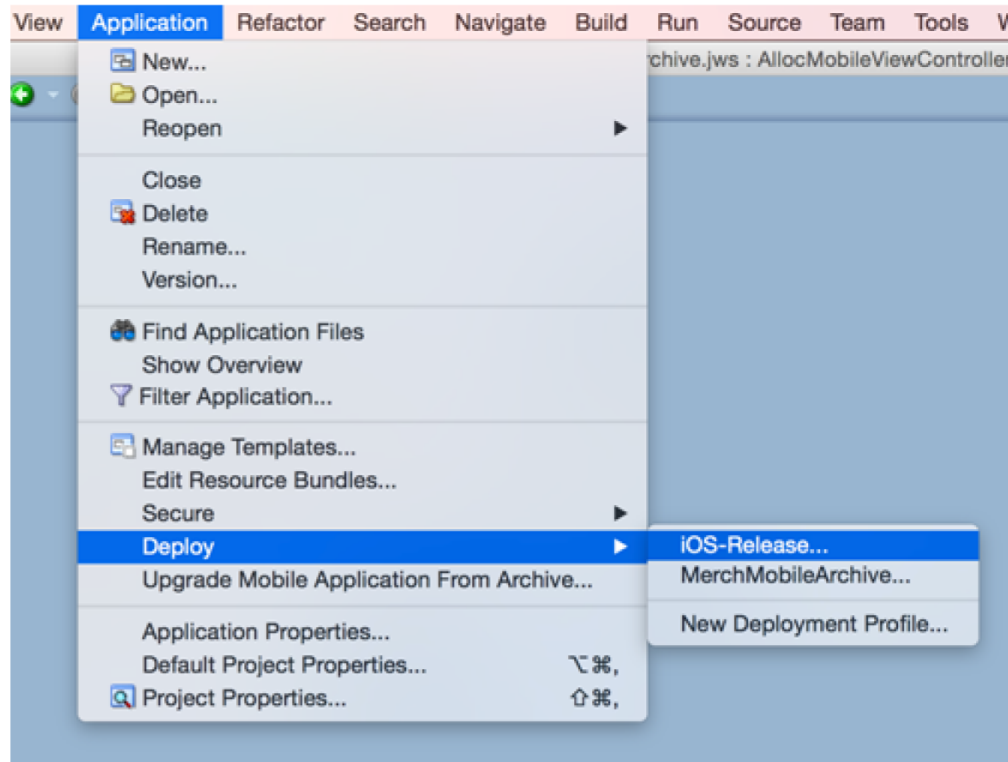
7. Click OK.

Deploying Application to .ipa File

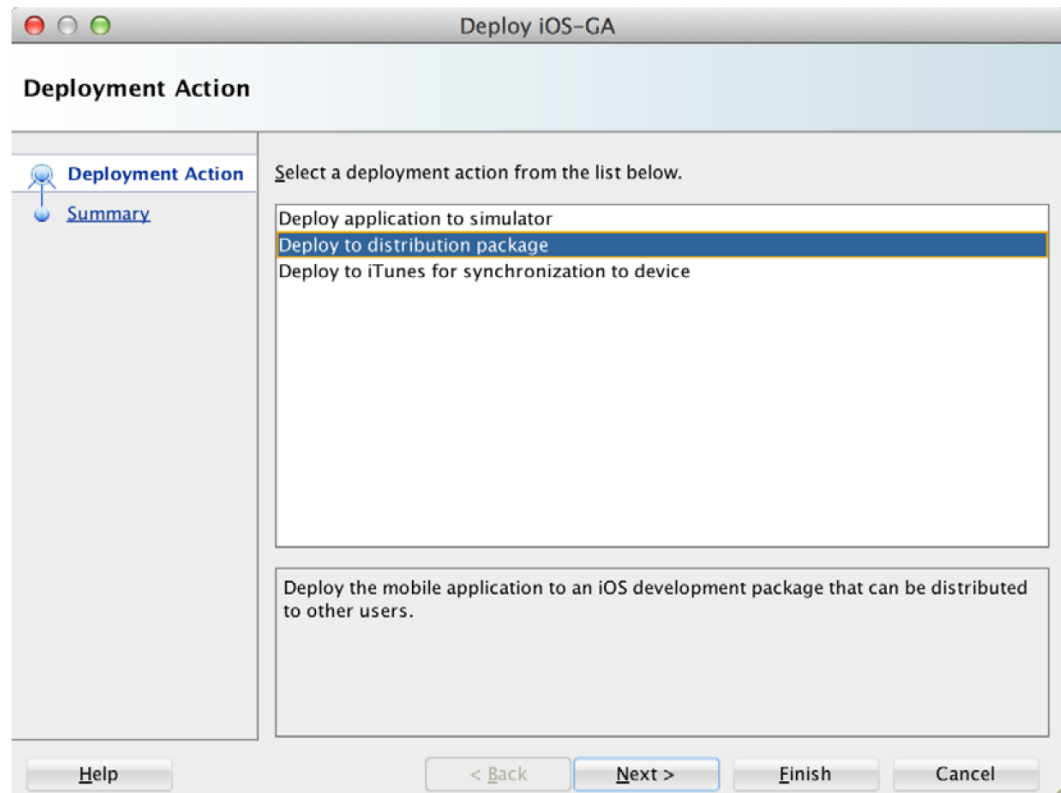
Note: If Oracle Retail Mobile Merchandising is already deployed to a device, it is recommended to delete it from the device before redeploying it again.

To deploy Mobile Merchandising to .ipa file, use the following steps:

1. In the **Application** menu, select **Deploy-><Profile Name>**.



2. Select **Deploy to distribution package**.
3. Press **Finish** to begin deployment.



For Enterprise app distribution refer to <https://developer.apple.com/library/ios/documentation/IDEs/Conceptual/AppDistributionGuide/Introduction/Introduction.html>.

For other deployment options, see *Oracle Fusion Middleware Developing Mobile Applications with Oracle Mobile Application Framework* documentation.

Platform Security Deployment

For instructions on how to retrieve PlatformSecurity.ear see the section Extracting Installer content. Once the PlatformSecurity.ear is available, refer to the WebLogic Instructions for how to deploy ear file to a WebLogic domain in the *Oracle Fusion Middleware Oracle WebLogic Server Administration Console Online Help 11g Release 1*.

Oracle Retail recommends the deployment of PlatformSecurity.ear to all the domains where Allocation and ReSA Services are deployed. Please see deployment diagram in the Implementation Guide.

Appendix: Installation Order

This section provides a guideline as to the order in which the Oracle Retail applications should be installed. If a retailer has chosen to use some, but not all, of the applications the order is still valid less the applications not being installed.

Note: The installation order is not meant to imply integration between products.

Enterprise Installation Order

1. Oracle Retail Merchandising System (RMS), Oracle Retail Trade Management (RTM)
2. Oracle Retail Sales Audit (ReSA)
3. Oracle Retail Extract, Transform, Load (RETL)
4. Oracle Retail Active Retail Intelligence (ARI)
5. Oracle Retail Warehouse Management System (RWMS)
6. Oracle Retail Invoice Matching (ReIM)
7. Oracle Retail Price Management (RPM)

Note: During installation of RPM, you are asked for the RIBforRPM provider URL. Because RIB is installed after RPM, make a note of the URL you enter. To change the RIBforRPM provider URL after you install RIB, edit the `remote_service_locator_info_ribserver.xml` file.

8. Oracle Retail Allocation
9. Oracle Retail Mobile Merchandising (ORMM)
10. Oracle Retail Central Office (ORCO)
11. Oracle Retail Returns Management (ORRM)
12. Oracle Retail Back Office (ORBO)
13. Oracle Retail Store Inventory Management (SIM)

Note: During installation of SIM, you are asked for the RIB provider URL. Because RIB is installed after SIM, make a note of the URL you enter. To change the RIB provider URL after you install RIB, edit the `remote_service_locator_info_ribserver.xml` file.

14. Oracle Retail Predictive Application Server (RPAS)
15. Oracle Retail Demand Forecasting (RDF)
16. Oracle Retail Category Management (RCM)
17. Oracle Retail Replenishment Optimization (RO)
18. Oracle Retail Analytic Parameter Calculator Replenishment Optimization (APC RO)
19. Oracle Retail Regular Price Optimization (RPO)
20. Oracle Retail Merchandise Financial Planning (MFP)
21. Oracle Retail Size Profile Optimization (SPO)

22. Oracle Retail Assortment Planning (AP)
23. Oracle Retail Item Planning (IP)
24. Oracle Retail Item Planning Configured for COE (IP COE)
25. Oracle Retail Advanced Inventory Planning (AIP)
26. Oracle Retail Analytics
27. Oracle Retail Advanced Science Engine (ORASE)
28. Oracle Retail Integration Bus (RIB)
29. Oracle Retail Service Backbone (RSB)
30. Oracle Retail Financial Integration (ORFI)
31. Oracle Retail Point-of-Service (ORPOS)
 - Oracle Retail Mobile Point-of-Service (ORMPOS) (requires ORPOS)
32. Oracle Retail Markdown Optimization (MDO)
33. Oracle Retail Clearance Optimization Engine (COE)
34. Oracle Retail Analytic Parameter Calculator for Markdown Optimization (APC-MDO)
35. Oracle Retail Analytic Parameter Calculator for Regular Price Optimization (APC-RPO)
36. Oracle Retail Macro Space Planning (MSP)

The Oracle Retail Enterprise suite includes Macro Space Planning. This can be installed independently of and does not affect the installation order of the other applications in the suite. If Macro Space Planning is installed, the installation order for its component parts is:

 - Oracle Retail Macro Space Management (MSM)
 - Oracle Retail In-Store Space Collaboration (ISSC) (requires MSM)
 - Oracle Retail Mobile In-Store Space Collaboration (requires MSM and ISSC)