

Oracle® Fusion Middleware

User's Guide for Oracle Business Intelligence Mobile for Google
Android

11g Release 1 (11.1.1)

E52132-04

December 2016

Explains how to use the mobile application of Oracle Business Intelligence Enterprise Edition to organize and present data for making critical and timely business decisions.

Oracle Fusion Middleware User's Guide for Oracle Business Intelligence Mobile for Google Android, 11g Release 1 (11.1.1)

E52132-04

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Preface

The Oracle Business Intelligence Foundation Suite is a complete, open, and integrated solution for all enterprise business intelligence needs, including reporting, ad hoc queries, OLAP, dashboards, scorecards, and what-if analysis. The Oracle Business Intelligence Foundation Suite includes Oracle BI Enterprise Edition (Oracle BI EE).

Oracle BI EE is a comprehensive set of enterprise business intelligence tools and infrastructure, including a scalable and efficient query and analysis server, an ad-hoc query and analysis tool, interactive dashboards, proactive intelligence and alerts, and an enterprise reporting engine.

This guide contains information about using Oracle Business Intelligence Mobile (Oracle BI Mobile) to access, analyze, and share data from a mobile device for viewing actionable intelligence and for making critical and timely business decisions.

Audience

This document is intended for anyone who plans to organize and present data for making critical and timely business decisions using , such as a middle tier administrator, report specialist, departmental reporter, or information consumer. (This guide refers to report specialists and departmental reporters collectively as content designers, and to information consumers as end users.)

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>.

Access to Oracle Support

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 Documentation and Other Resources

See the Oracle Business Intelligence documentation library for a list of related Oracle Business Intelligence documents.

See also the following related documents:

- The Oracle Business Intelligence chapter in the *Oracle Fusion Middleware Release Notes* for your platform
- *Oracle Fusion Middleware User's Guide for Oracle Business Intelligence Enterprise Edition*

In addition:

- Go to the Oracle Learning Library for Oracle Business Intelligence-related online training resources.
- Go to the Product Information Center support note (Article ID 1267009.1) on My Oracle Support at <https://support.oracle.com>.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

New Features for Oracle Business Intelligence Mobile Users

This preface describes new features and upgrade considerations in Oracle Business Intelligence Mobile (Oracle BI Mobile) 11g Release 1 (11.1.1).

This preface contains the following topic:

- [New Features for Oracle BI Mobile 11g Release 1 \(11.1.1.7\)](#)

New Features for Oracle BI Mobile 11g Release 1 (11.1.1.7)

Release 11.1.1.7 of Oracle BI Enterprise Edition (Oracle BI EE) introduces Oracle BI Mobile for Android platform.

Oracle BI Mobile for Android includes many new features, including the following highlights:

- Platform support for Android phones and tablets.
- Your BI content is available for immediate consumption on your mobile device, optimized for mobile viewing without the need to redesign any content.
- You can also consume mobile-specific BI content created with Oracle BI Mobile App Designer.
- Support for the following Oracle BI EE objects: dashboards, analyses, Oracle BI Publisher reports, briefing books, scorecards, performance tiles.
- In analyses and dashboards, the Oracle BI Mobile application provides all analytic actions (such as drill, action link, prompts, and so on).
- For Oracle BI Publisher, all content outputs to PDF.
- In scorecards, the Oracle BI Mobile application provides a subset of analytic actions.
- Pre-configured demo server. Upon launching Oracle BI Mobile, you can access a demonstration server to work with a version of the sample application.
- Search for BI content using voice commands.
- Open BI content using voice commands.
- Share BI content and server configurations wirelessly with Near Field Communication (NFC).

Introducing Oracle Business Intelligence Mobile

This section describes Oracle Business Intelligence Mobile (Oracle BI Mobile), an application for the Android devices.

Topics:

- [What Can You Do with Oracle Business Intelligence Mobile?](#)
- [Which BI Content is Viewable Using Oracle BI Mobile?](#)

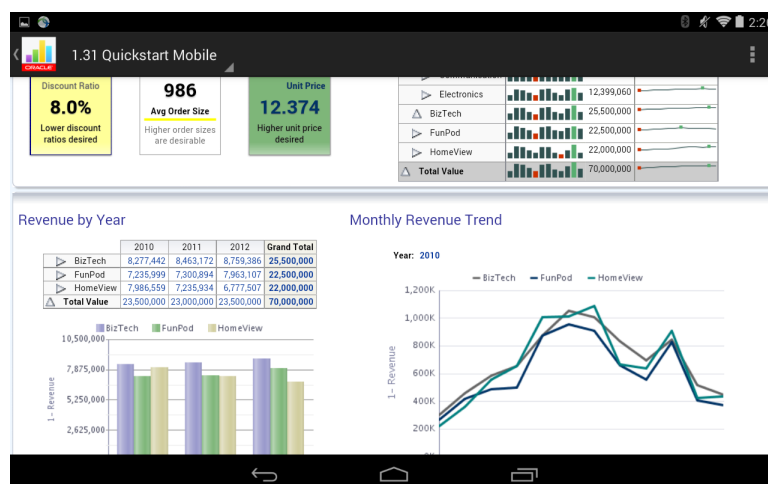
What Can You Do with Oracle BI Mobile?

Oracle BI Mobile allows you to view and interact with Oracle BI content on applicable mobile devices.

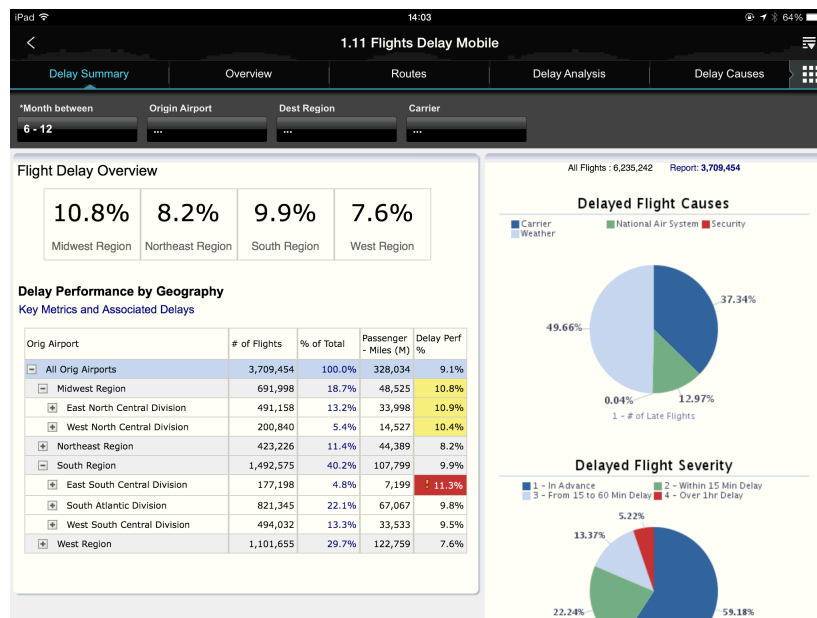
Using Oracle BI Mobile, you can access and analyze all BI content such as analyses and dashboards, BI Publisher content, BI Mobile apps, scorecard content, and content delivered by agents. Viewing content on a mobile device requires a presentation that differs from how you view the same content on a desktop monitor. Oracle BI Mobile optimizes the presentation of your BI content for mobile viewing.

You can try out the application at any time by accessing the public demo server after installing Oracle BI Mobile. See [Accessing the Oracle BI Mobile Demonstration Server](#). Use of the application beyond the demo requires that you have access to an instance of Oracle BI Enterprise Edition (Oracle BI EE) that is configured and running.

The following image displays a simple dashboard on an Android device:



The following image displays a simple dashboard on an iPad:



Which BI Content is Viewable Using Oracle BI Mobile?

All of your Oracle BI content is available for immediate consumption on your mobile device.

There is no need to move content to specially marked folders. Nor do you need to redesign any content specifically for viewing on mobile devices.

Oracle BI Mobile supports the following object types:

- Dashboard
- Analysis
- Briefing book
- BI Publisher report
- Content delivered by agents
- Scorecard
- Oracle BI Mobile apps

For all supported object types, Oracle BI Mobile supports rendering of most report content, though content is sometimes altered to optimize for the mobile context.

With Oracle BI Mobile, you can view external content of the format PDF. When you open a PDF file, you are prompted to choose the application in which to view it.

With Oracle BI Mobile, you can view external content (of the formats PDF and XLS). When you open an XLS file, the file launches in a browser.

In analyses and dashboards, the Oracle BI Mobile application provides all analytic actions (such as drill, action link, prompts, and so on).

In analyses and dashboards, the Oracle BI Mobile application provides all analytic actions (such as drill, action link, prompts, and so on). For Oracle BI Mobile, the actions supported match those of the desktop (based on output type).

The Oracle BI Mobile application does not support rendering of RSS feeds or Catalog views. Content that uses iFrame tags is not supported and is not guaranteed to be rendered correctly.

Getting Started with Oracle BI Mobile

This section describes how to acquire Oracle Business Intelligence Mobile (Oracle BI Mobile), set up user credentials, and configure the application.

Topics:

- [Getting Oracle BI Mobile for Your Android Device](#)
- [Starting Oracle BI Mobile](#)
- [Accessing the Oracle BI Mobile Demonstration Server](#)
- [What Does Oracle BI Mobile Look Like?](#)
- [Configuring Oracle BI Mobile](#)

Getting Oracle BI Mobile for Your Android Device

To download Oracle BI Mobile, tap the **Play Store** icon, shown in the following figure, on your device's Home screen.



To download and install Oracle BI Mobile:

1. On your device, search the Play Store for **Oracle**.
2. Tap the "Oracle BI Mobile" card, and then tap **Install**.

Starting Oracle BI Mobile

You start the Oracle BI Mobile application from the Home screen on your device.

Note:

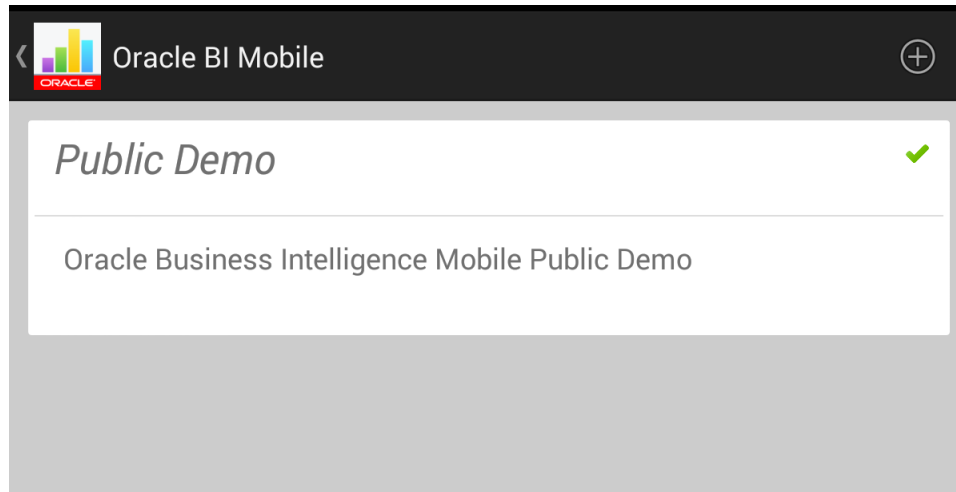
If the Oracle BI Presentation Services server that you are connecting to is behind a firewall, you need to connect through a Virtual Private Network (VPN). See your administrator for more information.

This section is organized as follows:

- [Launching Oracle BI Mobile for the First Time](#)
- [Returning to Oracle BI Mobile](#)

Launching Oracle BI Mobile for the First Time

You open the Oracle BI Mobile application as you open any other Android application, by tapping its launcher icon in the Home screen. The first time you use the Oracle BI Mobile application, however, you are presented with the licensing screen, then a login page that provides an initial server connections screen in which you add your server configuration.



To launch Oracle BI Mobile for the first time:

1. On your device's Home screen, tap the **Oracle BI Mobile** launcher icon, as shown below.



The end-user licensing agreement screen is displayed.

2. Scroll to read the licensing agreement, and if you agree to the terms, tap **Accept**.

The Connections screen is displayed.

3. In the action bar, tap the **Add** button (the circled plus sign).
4. In the Connections screen, specify the following:
 - **Nickname.** Give the server connection a name. Once set, this name cannot be changed.
 - **Username.** Use your standard username for connecting to Oracle BI Enterprise Edition (Oracle BI EE).

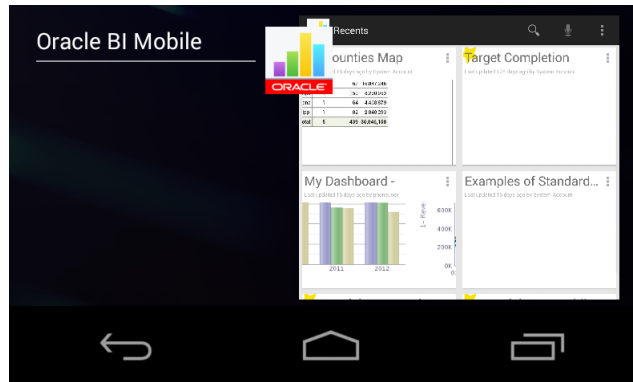
- **Password.** Use your standard password for connecting to Oracle BI EE.
 - **Save Password.** Tap the toggle to select **ON** or **OFF**. If set to **ON**, the password you enter in the Password field is saved as part of the configuration for the server. If set to **OFF**, you are prompted to enter your password each time you launch the application. The default setting is **OFF**.
 - **Host.** Enter the name of the server to connect to. Enter either the IP address (for example: 192.168.1.1) or the fully qualified host name of the computer on which Oracle BI Presentation Services is running (for example, host1.example.com). Do not enter a stand-in URL, such as tinyurl.com/1234 that redirects to a server.
 - **Port.** Enter the port number (for example, 7001).
 - **SSL/TLS.** Tap the toggle to select **ON** or **OFF**. The Secure Sockets Layer (SSL) protocol is configured on the entry point for your Oracle BI Presentation Services server by your system administrator. If SSL is configured on the server you are connecting to, toggle this setting to **ON**. System administrators are advised to configure SSL on the Oracle BI Presentation Services server.
 - **SSO.** Tap the toggle to select **ON** or **OFF**. Single Sign-On (SSO) is configured on the entry point for your Oracle BI Presentation Services server by your system administrator. If SSO is configured on the server you are connecting to, toggle this setting to **ON**.
 - **Analytics Path.** For example, /analytics/saw.dll.
 - **Publisher Path.** For example, /xmlpserver. This setting is mandatory; it is only used, however, if you access any Oracle BI Publisher content.
5. (Optional) If you want to try out the server configuration without leaving the Connections screen, tap **Test Connection**.
 6. Tap **DONE**.

Once you are signed in, you can modify your server configuration or add a new server connection by tapping the **Menu** icon (the three stacked squares) and then **Connections**. See [Configuring Oracle BI Mobile](#).

Returning to Oracle BI Mobile

When you have left Oracle BI Mobile and are returning, for example, after leaving it and working with other applications, Oracle BI Mobile returns you to the view you were previously on (and to your previously selected server connection).

To quickly return to Oracle BI Mobile from another application, tap the **Recents** button in the bottom navigation bar, then tap the **Oracle BI Mobile** icon as shown in the following figure.



If your user state is no longer preserved, for example, if you have rebooted the device, or the operating system purged the session after a long delay, or the authentication has timed out, then Oracle BI Mobile automatically attempts to authenticate to the connection you last used.

About Oracle BI Mobile User Credentials

Oracle BI Mobile uses the same security definitions as configured on the server on which Oracle BI Presentation Services is running.

The Oracle BI Mobile application signs in for you automatically as it launches. When your Presentation Services server is configured with Single Sign-on (SSO), the Oracle BI Mobile application prompts you for your login credentials. You use the same user name and password to connect from a mobile device as you use when logging into Oracle BI EE from a web browser.

Note:

Specifying user credentials in the Oracle BI Mobile application does not change the credentials used on the Oracle BI Presentation Services server. Oracle BI Mobile uses the same credentials as Presentation Services and does not require any new credentials.

Accessing the Oracle BI Mobile Demonstration Server

The Oracle BI Mobile demo server provides a full set of sample content with which you can work.

If you would like to test the Oracle BI Mobile application without having to set up a connection to one of your organization's Oracle BI Presentation Services servers, you can use Oracle BI Mobile to connect to a publicly available demo server. As you navigate the application while connected to the demo server, you can gain an understanding of best practices for mobile dashboard design.

When you tap the **Demo** button in the initial Server Connections screen, you are taken directly to the demo server, with Oracle BI Mobile automatically managing the login credentials.

To access the demo server:

1. From the Home screen on your device, tap the **Oracle BI HD Application** icon.
2. In the Login screen, tap **Demo**.

The Recent view is displayed, along with the Navigation bar.

3. In the **Branding** bar, tap the **Options** button and then tap **Show First Time Help** to view an overlay with tips for how to navigate the Oracle BI Mobile application.
4. (Optional) If you want to log out of the demo server, tap the **Options** button, then tap **Logout**.

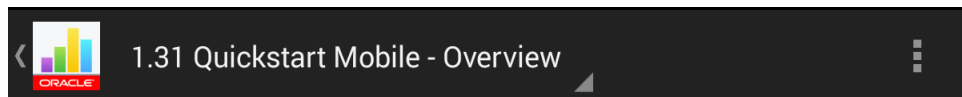
What Does Oracle BI Mobile Look Like?

Oracle BI Mobile is launched from the Home screen of your device, where all your other installed applications display as icons.

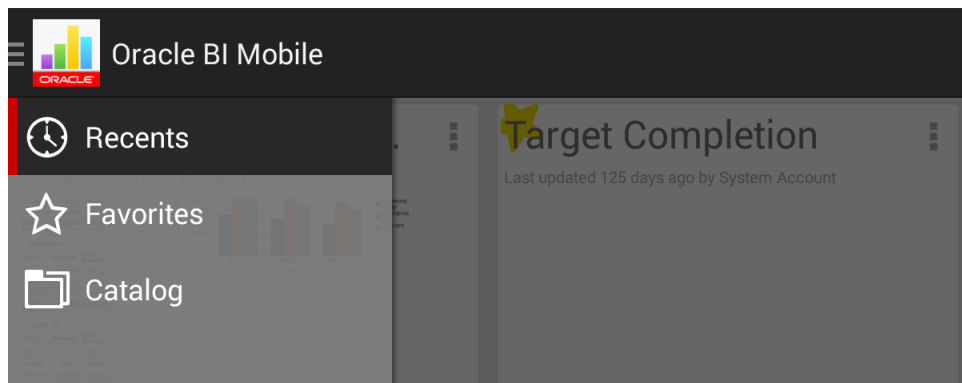
You navigate the Oracle BI Mobile application using the bottom navigation bar and using the action bar, as shown in the following two figures..



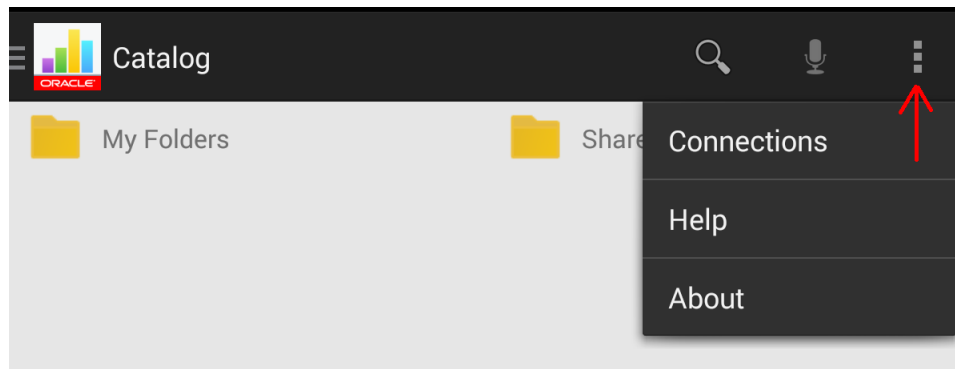
Use the **Back** button, at the left of the bottom navigation bar, to navigate in reverse through Oracle BI Mobile, for example, from viewing a dashboard back to the Recents view. Tapping the Up button (the left-pointing chevron next to Oracle BI Mobile's App icon in the following figure) in the action bar performs the same backward navigation.



The navigation drawer, shown in the following figure, can take you to the various views within the Oracle BI Mobile application: Recents, Favorites, and Catalog. If you have previously launched Oracle BI Mobile and have opened BI content, your recently viewed items are displayed for you in the Recents view.



Below your device's status bar (which shows the current time, the battery charge, wi-fi signal strength, and various other information) is Oracle BI Mobile's action bar, which often includes the **Menu** icon, as shown in the following figure.



Tap the **Menu** icon to see options available for any given view, such as to navigate to the Connections screen, or to the online help (this guide).

The action bar also shows the title of the current view and contains the **Search** and **Microphone** buttons.

The main screen shows the contents of the current view, such as the list of your catalog objects when you are in the Catalog view, or a card-style display of your recently accessed items when you are in the Recents view.

Your device's Home button takes you out of Oracle BI Mobile, back to the Home screen where you can find the Oracle BI Mobile icon along with the other application icons on your device.

Configuring Oracle BI Mobile

You use the Connections view in Oracle BI Mobile to manage your server configurations. You access the Connections view by tapping the **Menu** icon in the action bar.

There are other configuration tasks you can perform:

- [Adding, Modifying, and Removing Server Connections](#)
- [Switching Between Servers](#)
- [Considering Security When Using Oracle BI Mobile](#)

Adding, Modifying, and Removing Server Connections

If you need to connect to more than one Oracle BI Presentation Services instance, then you must configure multiple server connections.

You can use the Connections view to add, modify, and remove server connections.

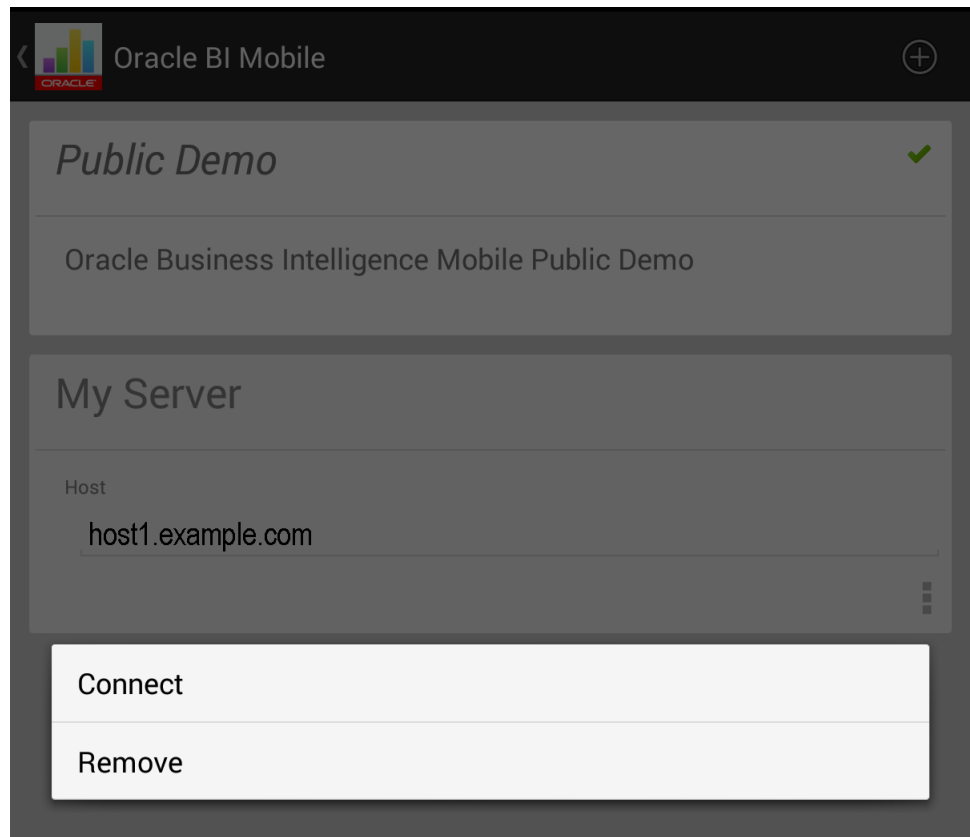
To add a server connection:

1. If you are viewing BI content, then navigate back to the Recents, Favorites, or Catalog view.

Note:

You can navigate back by tapping the **Up** button in the **Action** bar, by tapping the **Back** button in your device's bottom **Navigation** bar, or by swiping from the left side of your screen to reveal the navigation drawer.

2. In the **Action** bar, tap the **Menu** icon, then tap **Connections**.
The Connections view is displayed.
3. In the **Action** bar, tap the **Add** button (the circled plus sign).
4. In the Connections view, complete the fields and tap **Done**. See the Connections view fields described in [Launching Oracle BI Mobile for the First Time](#).
5. When your server connection is added and appears in the list, tap the **Menu** icon in its card and then tap **Connect**.



6. In the **Login** dialog, enter your Oracle BI Presentation Services user name and password, then tap **Login**.

To modify a server connection:

1. If you are viewing BI content, then navigate back to the Recents, Favorites, or Catalog view.
2. In the **Action** bar, tap the **Menu** icon, then tap **Connections**.
The Connections view is displayed.
3. In the card for the connection you want to modify, for example, the **My Server** card, tap the server name.
4. Modify the server connection details by entering your changes in the fields. When finished, tap **Done**.

To remove a server connection:

1. If you are viewing BI content, navigate back to the Recents, Favorites, or Catalog view.
2. In the Action bar, tap the **Menu** icon, then tap **Connections**.
3. In the card for the connection you want to modify, tap the **Menu** icon and then tap **Remove**.

Caution:

Do not tap **Remove** unless you are sure you no longer want the server connection. There is no way to undo this action and you will have to add the connection back as a new server connection.

Switching Between Servers

You can change the server you connect to by default, which re-launches the application.

To change your default server:

1. If you are viewing BI content, navigate back to the Recents, Favorites, or **Catalog** view.
2. In the action bar, tap the **Menu** icon, then tap **Connections**.

The Connections view is displayed.

3. In the card for the server connection to which you want to switch, tap the **Menu** icon, then tap **Connect**.

The Oracle BI Mobile application relaunches, with a connection to the new server, and this new server connection is now your default connection.

Considering Security When Using Oracle BI Mobile

When using the Oracle BI Mobile application, you connect to an Oracle BI Server and benefit from the same security platform provided by the infrastructure of Oracle Fusion Middleware.

Oracle BI Mobile allows mobile users to connect to the Oracle BI Server using Single Sign-On (SSO) and Secure Sockets Layer (SSL) technologies for secure and automated passing of credentials. For servers behind a firewall, you can connect with Oracle BI Mobile through a VPN.

Disabling Access to Oracle BI Mobile

Administrators can disable access to the Oracle BI Mobile application. In the desktop version of Oracle BI EE, in the Manage Privileges page, an administrator disables access by restricting the privilege called **Access to Mobile**. See Default Presentation Services Privilege Assignments in *Security Guide for Oracle Business Intelligence Enterprise Edition*.

Using Oracle BI Mobile

This section describes how to work with Oracle Business Intelligence Mobile (Oracle BI Mobile).

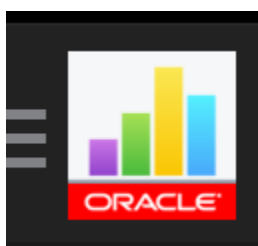
Topics:

- [Navigating the Oracle BI Presentation Catalog and BI Content](#)
- [Working with Favorites](#)
- [Working with Recent Items and Your History](#)
- [Searching for BI Content](#)
- [Sharing BI Content](#)

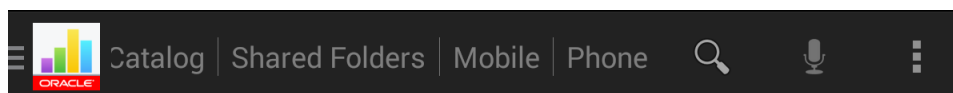
Navigating the Oracle BI Presentation Catalog and BI Content

You navigate BI content on your device by swiping or scrolling through your favorite objects and your recently viewed objects. To access BI content that you have not already viewed or marked as a favorite, you navigate or search the catalog on the server.

The navigation drawer allows you to move quickly between different screens. To reveal the navigation drawer, tap the Navigation Drawer indicator in the action bar, as shown below. You can also swipe from the left side of the screen to reveal the navigation drawer.



The following figure shows the action bar while the user is in the Catalog view. The user is viewing objects in the **Phone** folder within the **Mobile** folder within **Shared Folders**. In this example, to navigate back up to Shared Folders, tap **Shared Folders** in the action bar.



Note:

If the action bar is hidden, swipe down with one finger from the top of the screen to reveal it.

Inside folders, generic icons represent content that you have not previously opened, while thumbnail images of the actual catalog objects represent BI content that you have previously opened.

This section includes the following topics:

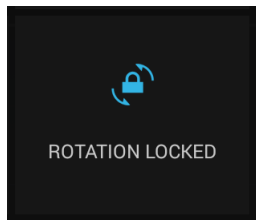
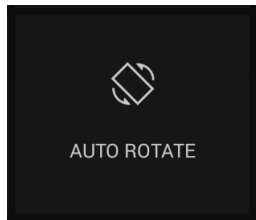
- [Switching Screen Orientations and Display Layouts](#)
- [Opening an Object in the Catalog](#)
- [Opening a Catalog Object with Voice Commands](#)
- [About Working with BI Content in the Mobile Application](#)

Switching Screen Orientations and Display Layouts

While holding the Android device, you can quickly switch between landscape and portrait orientation in order to view the Oracle BI Mobile application in whichever way best suits the display style or the format of Oracle BI content you are viewing.

To switch the orientation, simply rotate the device in your hands.

The device's orientation setting is controlled by a lock that you can toggle from Auto Rotate to Rotation Locked, as shown in the following figure.

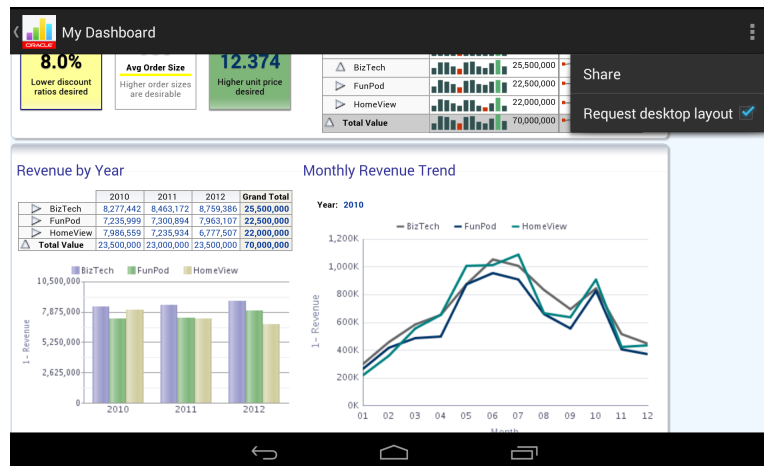


Note:

If you want to lock the screen orientation so that it does not automatically change while you are holding the device, pull down the notification bar from the top right of the screen and tap **Auto Rotate** to toggle the switch to **Rotation Locked**.

Another way to control how you view BI content is by choosing between the mobile layout and the desktop layout options. The mobile layout displays dashboard objects

in a vertical stack. To view the objects in the same format as the dashboard displays them on a desktop screen, choose the desktop layout option. The Request Desktop Layout toggle is shown in the following figure.



Opening an Object in the Catalog

You open objects in the Oracle BI Presentation Catalog on your device using the device's standard list navigation of folders to find the object, and then tap it to open it.

To open a catalog object:

1. In a list of folders, perform one of the following actions:
 - To see the contents of a folder, tap the folder in the Catalog view.
 - To go up a folder level, tap the folder's name in the action bar.
2. When you find the object you want to open, tap it.

Opening a Catalog Object with Voice Commands

To activate Google Voice, tap the microphone icon in the action bar, then speak the name (or part of the name) of a catalog object along with the command **Open**. For example, say **Open My Dashboard** to open the catalog object called **My Dashboard**.

About Working with BI Content in the Mobile Application

There are significant differences in how users interact with applications when the user interface is touch-based rather than mouse-based.

In the content area of your device's screen, you can view BI content using standard mobile device interaction, such as panning. You can double-tap on a view to expand it to the full screen. The right-click functionality of the desktop application is accessed using a tap-and-hold gesture. As with many mobile applications, there is no dragging of content in Oracle BI Mobile.

To interact with your Oracle BI Mobile application, see [Touch Gestures Used in Oracle BI Mobile](#).

To protect your BI content, see [Considering Security When Using Oracle BI Mobile](#).

Working with Tooltips

You can view tooltips within BI content by tapping individual items within the content, such as a bar in a graph.

A gesture called "tap-and-hold"—which is touching a menu option for about half a second—allows you in Oracle BI Mobile to view the full text of a tooltip if it extends beyond the size of the popup. If in a tooltip, a menu item's text exceeds the width of the context menu, tapping and holding the item opens a popup that displays the entire text of the menu option.

Refreshing BI Content

You can refresh your view of BI content so that the query is rerun and the content is renewed.

To refresh BI content:

1. Open the object.
2. Swipe downward on the device screen.

Working with Favorites

Use the Oracle BI Enterprise Edition (Oracle BI EE) favorites feature on your mobile device to add as favorite any BI content that you view regularly or want to view again at another time. If you already have favorites added from your use of the desktop version of Oracle BI EE, these favorites pre-populate your favorites list when you begin using Oracle BI Mobile.

Your Favorites view shows all content you have added as favorite on your device and for your given server configuration. This means that if you configure another mobile device to the same server for the same user, the user sees the same set of favorites.

Your desktop favorites and your mobile favorites are always in sync. Changes made in either place on a given server are visible to you in both contexts.

While viewing a favorite, you can remove it from your favorites list.

For general information on how favorites work in Oracle BI EE, see *What Are Favorites?* and that topic's related topics in *Oracle Fusion Middleware User's Guide for Oracle Business Intelligence Enterprise Edition*.

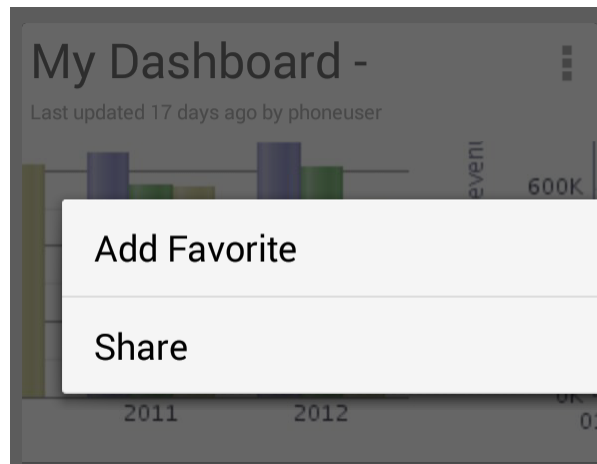
This section includes the following topics:

- [Adding Favorites in Oracle BI Mobile](#)
- [Synchronizing Mobile Favorites with Desktop Favorites](#)

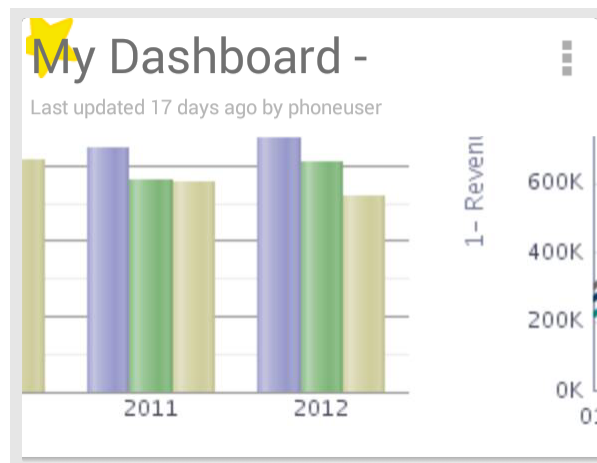
Adding Favorites in Oracle BI Mobile

When viewing BI content, you may find it useful to add objects to your favorites list to enable you to quickly return to them later.

You access your existing favorites in the Favorites view by tapping **Favorites** in the navigation drawer. To add an object you are viewing to your favorites list, you tap the **Menu** icon in the top right corner of its card, then tap **Add Favorite**.



When you have marked a catalog object as a favorite, its card appears with a yellow star in the top-left corner.



To add a catalog object as a favorite:

1. While viewing the BI content, tap the **Up** button to return to the Catalog view or the Recents view.
2. In the catalog object's card, tap the **Menu** icon, then tap **Add Favorite**.
The BI content is added to your list of favorites and appears in the Favorites view.

To open a favorite:

1. From the left side of your device screen, swipe right to access the navigation drawer.
2. Tap **Favorites**.
The Favorites view is displayed.
3. Tap the card for the favorite you want to open.

To remove a favorite:

1. In the catalog object's card, tap the **Menu** icon, then tap **Remove Favorite**.
The BI content is removed from your list of favorites.

Synchronizing Mobile Favorites with Desktop Favorites

Synchronization of favorites happens at login. When you connect to an Oracle BI Presentation Services server from your mobile device, your mobile favorites automatically synchronize with your desktop favorites. Any favorites you have added while logged in from the desktop are automatically synchronized to the device.

Working with Recent Items and Your History

Just like with your favorites, the list of your recent items is synchronized with the desktop version, and this happens at login. When you connect to an Oracle BI Presentation Services server from your mobile device, your mobile list of recent items automatically synchronizes with your desktop recent items.

Searching for BI Content

In the Oracle BI Mobile application, you search for BI content using the action bar.

To search for BI content:

1. In the action bar, tap the **Search** icon.
The keyboard is displayed.
2. Using the keyboard, type a part of the catalog object's name in the **Search** field, then tap **Go**.

Your search is performed on the server, and the search results are displayed as cards. Tap a card to open BI content.

Sharing BI Content

You can share BI content by tapping the **Menu** icon in the action bar. You can also beam BI content from one mobile device to another.

Sharing BI Content Using Email, SMS, and Other External Applications

While viewing BI content, tap the **Menu** icon in the action bar, then tap **Share**. The Android operating system provides various sharing options, including email and SMS.

When you tap the **Email** option, your email application is launched. To return to Oracle BI Mobile from the email application, tap the **Back** button in your device's bottom navigation bar.

Beaming BI Content with Near Field Communication

You can share BI content using near field communication (NFC).

To share BI content with NFC, hold two Android devices back to back.

Note:

The target device must have a connection set up to the same server as yours, and must have access privileges to the BI content you are sharing. Also, make sure that NFC is supported and enabled on the target device.

To beam BI content from one mobile device to another:

1. Open the catalog object you want to share.
2. While the catalog object is open, place the second mobile device back to back with the one on which you are viewing the BI content.
3. When the BI content reduces to a thumbnail image on your first device, tap the thumbnail image.
4. Watch the second device as the BI content pops up on the screen.

Working with BI Content

This section describes how to use the Oracle Business Intelligence Mobile (Oracle BI Mobile) application to work with specific object types within the catalog.

Topics:

- [Working with Analyses and Dashboards](#)
- [Working with Prompts](#)
- [Working with Map Views](#)
- [Working with Oracle BI Mobile Apps](#)
- [Working with Oracle BI Publisher Content](#)
- [Working with Scorecard Content](#)

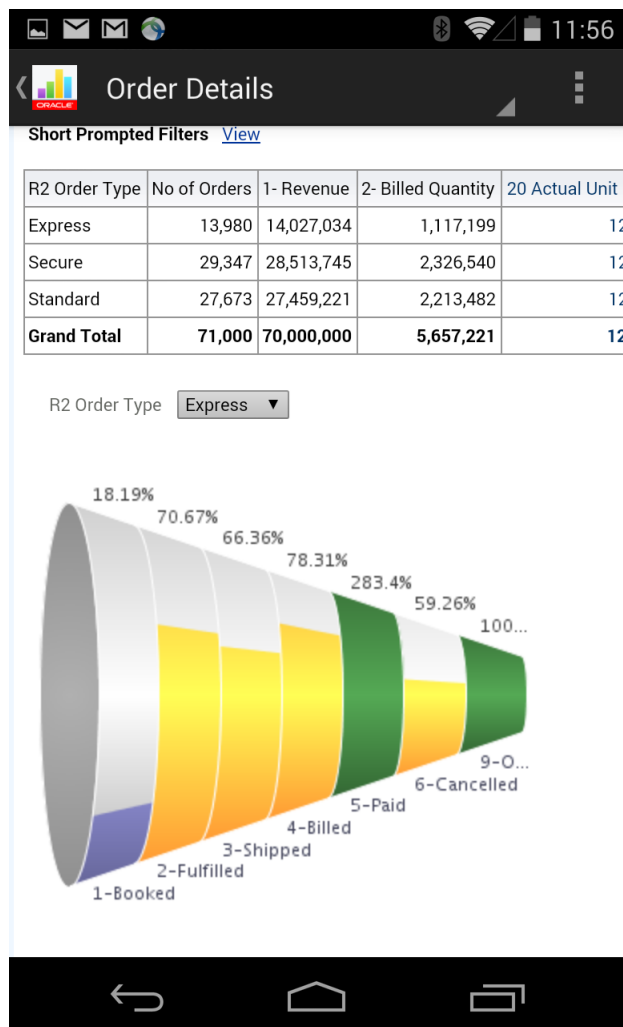
Working with Analyses and Dashboards

With Oracle BI Mobile, you can see the vast majority of views provided by the desktop version of Oracle BI Enterprise Edition (Oracle BI EE).

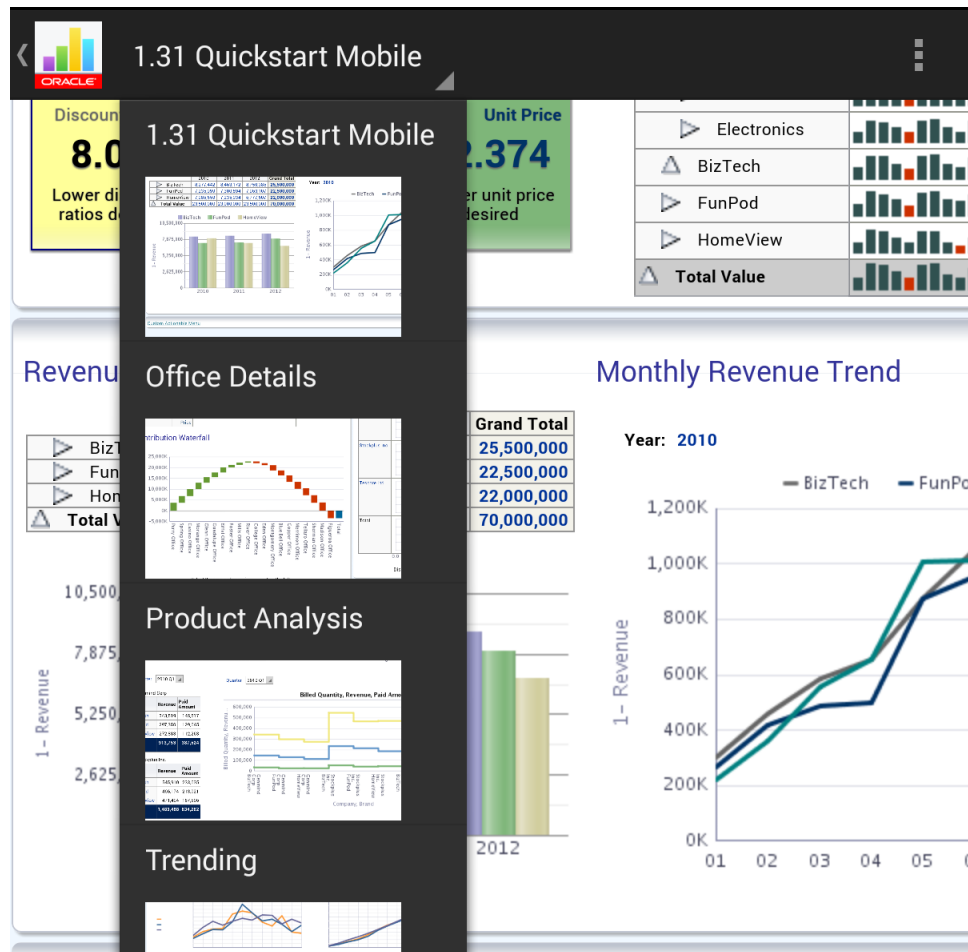
You can perform all analytic actions in the Oracle BI Mobile application: prompts, drills, action links, and so on. You can interact with the data by filtering and sorting.

You can interact with graphs, drilling and zooming directly in the graph.

The following figure shows an example of BI content on an Android device.



When a dashboard has multiple pages, tap the triangle icon (at the bottom right of the dashboard title) to access an overlay showing the available pages and tap again to navigate to one of them. An example of dashboard pages in an overlay is shown in the following figure.

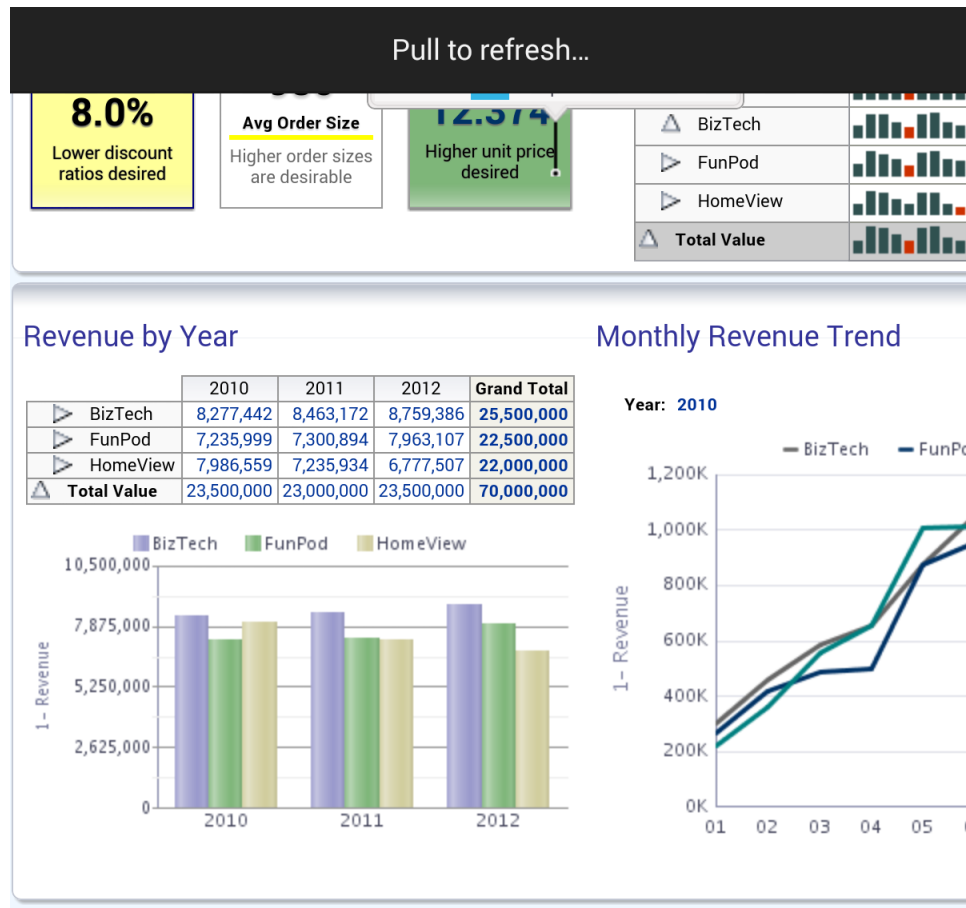


You can maximize an individual view within a dashboard by double-tapping on it. The individual view then displays within the full screen of the device. When viewing an analysis independent of a dashboard, you can double-tap on it to expand the view to full-screen display. To revert back to the non-maximized view, repeat the double-tap gesture.

Note:

Double-tapping on a view to maximize it works on most view types. Exceptions include gauges, simple trellis views, and performance tiles.

To refresh a view, swipe downward on the screen. This feature is shown in the following figure.



To pan around the view, swipe. To zoom in, pinch out. To zoom back out, pinch in.

Which Objects Are Disabled when Embedded in Dashboards?

Certain objects, when embedded in dashboard pages in the desktop version of Oracle BI EE, are disabled for display in the mobile application.

The following objects are suppressed from dashboard pages in Oracle BI Mobile:

- Portal header
- Report links
- Edit link in empty home dashboard
- Embedded content (iframe) view
- Alerts view
- Logical SQL view
- Create Segment view
- Create Target List view
- Briefing books
- Folder view

Working with Tables, Pivot Tables, and Trellis Views

In Oracle BI Mobile, a tap on a cell in a table and pivot table provides the same set of actions as a left-click of the mouse in the desktop version of Oracle BI EE. As for right-click actions, Oracle BI Mobile provides the same actions that are available in Oracle BI EE, except in the mobile application you use the tap-and-hold gesture rather than the right-click of the mouse.

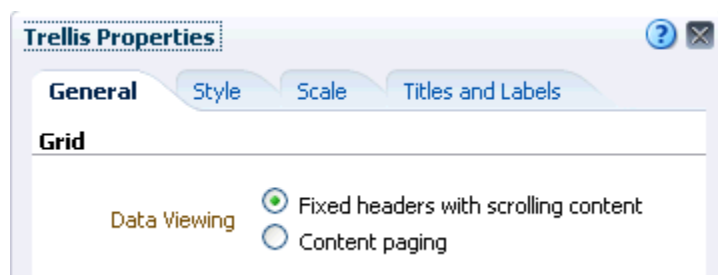
Note:

Because there is no usage of right-click on a mobile device, this guide refers to the right-click menu as the Context menu.

For example, to sort data, tap and hold on the column header to access the mobile version of the desktop application's right-click menu and then select **Sort**, as shown in the following figure.



In tables, pivot tables, and trellis views, when Data Viewing is set to *fixed headers* in the Properties dialog (see the following figure) for an analysis, you can use a single-finger drag gesture to scroll through data in all directions.



Working with Graphs

User interaction with graphs is different in Oracle BI Mobile from that of the desktop version of Oracle BI EE.

In the desktop version of Oracle BI EE, you can initiate the following actions using the mouse:

- left-click (drill, action-link, master-detail)
- hovering the mouse (to show a tooltip)

In Oracle BI Mobile, where the user interaction is touch-based rather than mouse-based, gestures perform the actions.

Displaying Tooltips in Graphs

A tap gesture launches a tooltip (as does hovering the mouse in the desktop version), and the tooltip includes a button that can initiate the desktop version's left-click action.

The tooltips and menus that display on graph markers provide a layer to perform actions on the graph data. When there is only one action available for a marker, that action's button is readily visible in the tooltip layer. When there are multiple actions available, you see an **Options** button in the tooltip layer.

The following figure shows a tooltip displayed in a graph.

To dismiss a tooltip:

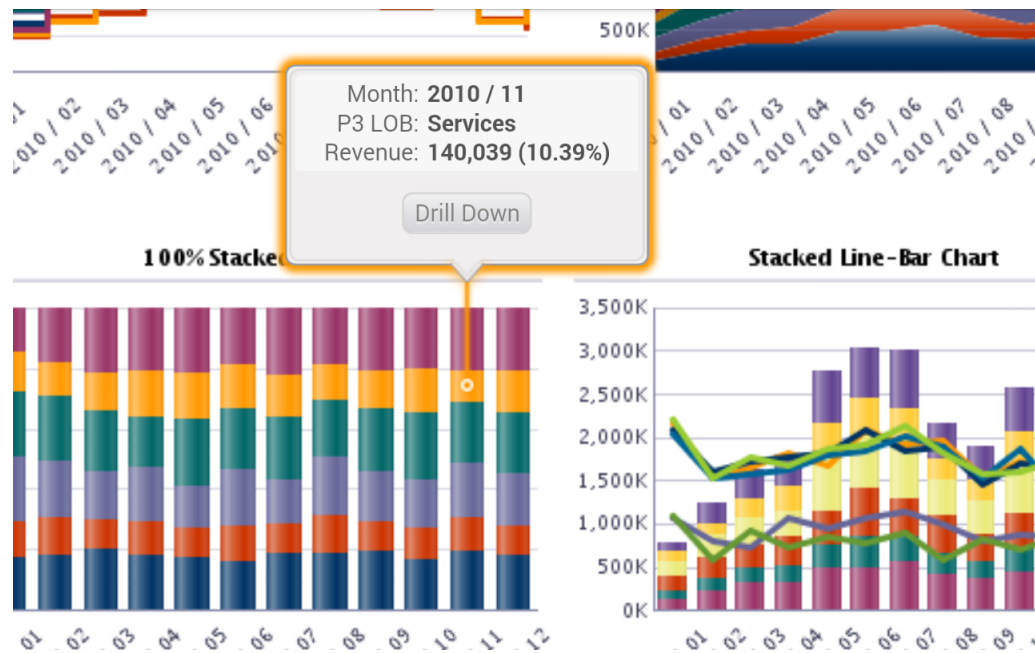
1. Do one of the following:
 - Tap an empty area of the graph.
 - Tap on a different graph marker. (This launches a new tooltip.)

In some cases—for example, in a graph with bars much thinner than the finger with which you tap and drag—you may need to nudge a tooltip to an adjacent bar so that the tooltip you want is the one that is actually displayed.

To move a tooltip:

1. Drag the tooltip to an adjacent bar.

The tooltip now displays the value or action for the bar to which you have moved it.



Displaying Legends in Graphs, Funnel Graphs, and Gauges

The display of a graph, funnel graph, or gauge legend is different on a mobile device than it is on a desktop:

- On a desktop (where the graph or gauge format is Flash), the legend list is scrollable and the legend text does not wrap.
- On a mobile device (where the graph or gauge format is PNG), the legend list is not scrollable and the legend text can wrap.

Working with Performance Tiles

Performance tiles work in Oracle BI Mobile in the same way as any other view, and they display in the mobile application as they do in the desktop version of Oracle BI EE.

To interact with performance tiles in Oracle BI Mobile:

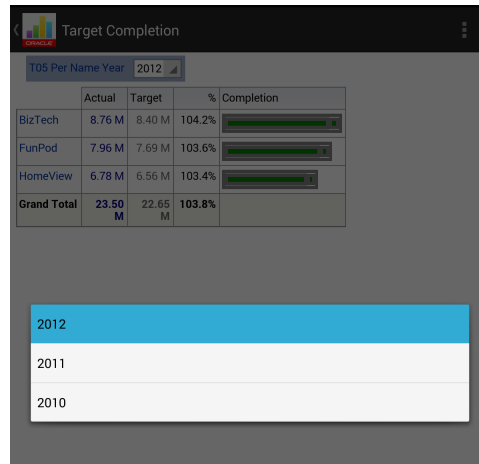
- You can access an action link on a performance tile by tapping the performance tile.
- You can tap and hold on the performance tile to display the full text of a tooltip.

Working with Prompts

In Oracle BI Mobile, supported prompt types include column prompts, variable prompts, and currency prompts. Most input options are supported, including text, radio button, checkbox, and so on.

What Do Prompts Look Like in Oracle BI Mobile?

The following figure shows a prompt in Oracle BI Mobile.



Working with Map Views

This section complements *Working with Map Views in Dashboard Pages in Oracle Fusion Middleware User's Guide for Oracle Business Intelligence Enterprise Edition*. This section explains how to work with maps in the Oracle BI Mobile application, as the methods differ. If you are new to viewing maps in Oracle BI EE, you should begin with *Working with Map Views on Dashboard Pages in Oracle Fusion Middleware User's Guide for Oracle Business Intelligence Enterprise Edition* before learning the gestures described in this section.

Oracle BI Mobile provides interactive map-view functionality that is optimized for the mobile devices.

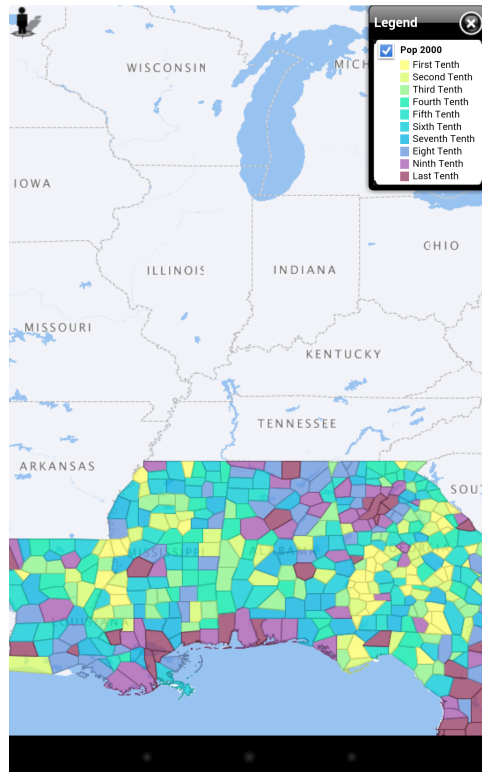
Use touch gestures to work with maps on your device, as follows:

- **Double-tapping.** To render the map as a single visualization using the entire screen, double-tap on it.
- **Panning.** To pan, drag the map around with one finger.
- **Zooming.** To zoom, use the standard two-finger gesture of pinching and spreading.
- **Drilling.** To drill or display a popup with options, use a single tap.
- **Modifying thresholds for slider formats.** To edit the text for a slider threshold, tap the text and use the keyboard.
- **Showing or hiding formats.** To show or hide a format, tap to check it or uncheck it.

Note:

You can work only with visible formats and you cannot change which formats are available.

The following figure shows a map view.



You can display a legend for the map.

To view the map legend:

1. Tap the **Legend** icon, as shown below.



The My Location feature enables you to find your current location on a map and place a pin on it.

To view your location:

1. Tap the **My Location** icon, as shown below.



2. If prompted to allow the application to use your location, tap **Allow**.

The **My Location** icon displays inactive while the application searches for your location.

If your location can be found, a pin is displayed at the position where the device calculates your location to be.

If your location cannot be found, a message is displayed.

To remove your location pin:

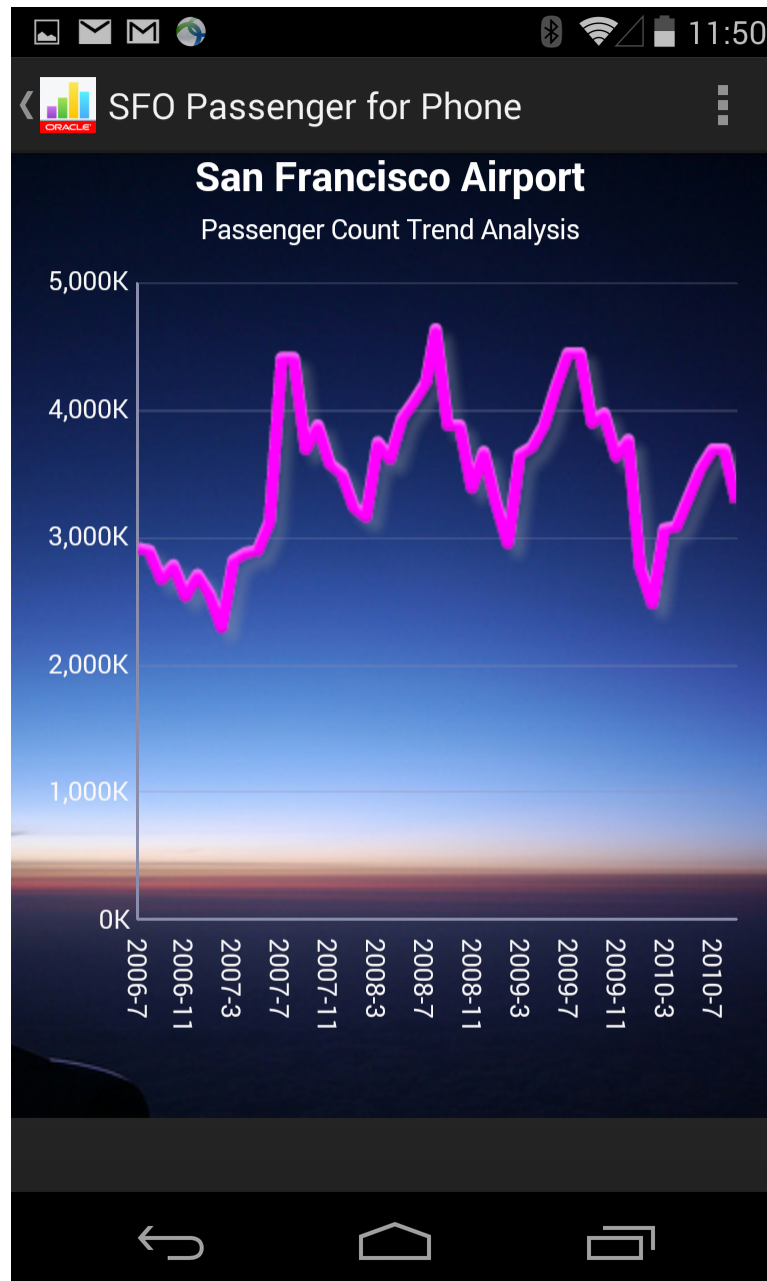
1. Tap the pin.
2. Tap **Remove**.

Working with Oracle BI Mobile Apps

You can view Oracle BI Mobile apps in the Oracle BI Mobile application.

The mobile apps appear in your Favorites, Recents, and Catalog views as cards, just like other BI content. When you tap the card for an Oracle BI Mobile app, the mobile app is launched and you can navigate within it. To return to the Oracle BI Mobile application, tap your device's **Back** button in the bottom navigation bar.

An example of viewing an Oracle BI Mobile app on an Android phone is shown in the following figure.



Working with Oracle BI Publisher Content

You view Oracle BI Publisher content in the Oracle BI Mobile application as PDF output. You can open reports directly from the Oracle BI Presentation Catalog and you can choose among various applications on your device to open the PDF output.

Working with Scorecard Content

In dashboards, you view scorecard content in the Oracle BI Mobile application in much the same way as you view it in the desktop application.

When scorecard objects are embedded in a dashboard, you can see a fully interactive and complete view of scorecard content on the mobile device. You can view KPI watchlists, smart watchlists, custom views, strategy maps, strategy trees, KPI contribution wheels, and cause & effect maps.

Note:

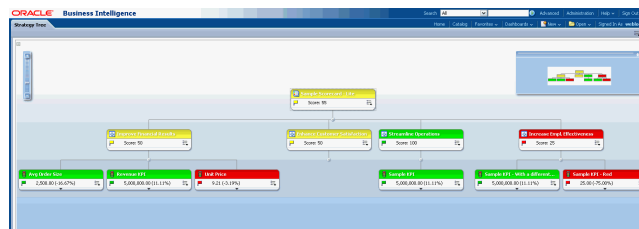
For interactive use on a mobile device, it is strongly recommended that scorecard views be embedded in a dashboard rather than requiring that the mobile user open the files directly from the catalog.

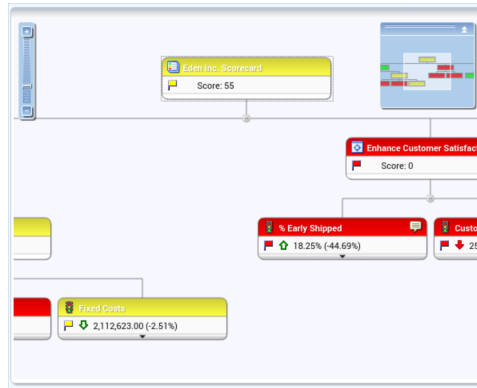
For scorecards viewed in Oracle BI Mobile, a subset of the context menu options are available. You can access the context menu in a watchlist or for a diagram node by using the tap-and-hold gesture.

You can view and interact with a KPI contribution wheel in a dashboard. Tap and hold a KPI node on a scorecard diagram, KPI watchlist, or smart watchlist, and then tap **View as KPI Contribution Wheel**.

To zoom in or out in all of the scorecard graphical diagrams (except for the KPI contribution wheel), use the pinch gesture. In the KPI contribution wheel, use the pinch gesture to increase or decrease the number of concentric rings displayed.

The following two figures show two strategy trees—the first is on the desktop version of Oracle BI EE, and the second is a strategy tree viewed in Oracle BI Mobile.





Touch Gestures Used in Oracle BI Mobile

This appendix describes the gestures you can use on your mobile device to access the various functionality of Oracle Business Intelligence Mobile (Oracle BI Mobile).

Use the touch gestures listed in the following table to work with Oracle BI Mobile.

Gesture	How to Perform	What It Does
Tap	Tap the screen with a single finger.	<p>This gesture is generally equivalent to a left-click in the desktop version of the application.</p> <p>Tap on a bar (or other marker) in a graph to display a tooltip (equivalent to hover, in the desktop version) with a button containing the corresponding left-click action.</p> <p>Tap on a control or item to select it or press it.</p>
Tap and Hold	Tap an area and hold your finger in place.	<p>In a table, pivot table, or trellis, tap and hold to access a list of available options or a tooltip.</p> <p>In a scorecard, tap and hold on a scorecard diagram node or watchlist table cell to access the context menu.</p> <p>In a tooltip, if a menu item's text exceeds the width of the context menu, tap and hold the item to view the entire text of the menu option.</p>
Double-Tap	Tap twice quickly.	<p>In a view, double-tap to expand the view to fill the entire screen.</p> <p>In a scorecard, double-tap on a node within a scorecard strategy contribution wheel to re-focus the diagram on that node.</p>
Drag (One-Finger)	Drag one finger.	<p>To pan the entire view, drag one finger.</p> <p>To pan in a map, drag one finger.</p> <p>To reposition a tooltip in a graph, drag it. (Note that dragging of tooltips is not allowed in the following graph types: line bar graph, pie graph, pareto graph, scatter graph, bubble graph, radar graph, gauge, funnel graph.)</p> <p>In a list or menu, drag up or down to scroll.</p> <p>In a data table, drag up, down, left, or right to scroll.</p> <p>In a dashboard, drag to scroll.</p>

Gesture	How to Perform	What It Does
Drag (Two-Finger)	Drag two fingers.	In a scorecard, to scroll a watchlist, drag two fingers. To scroll a dropdown list, if a one-finger drag does not work, drag two fingers.
Flick	Flick a finger quickly across the screen.	Flick to scroll or pan quickly.
Pinch	Pinch two fingers together or apart.	In a map, pinch to zoom out or in. In most scorecard diagrams, pinch to zoom out or in. In a scorecard strategy contribution wheel, pinch to increase or decrease the number of concentric rings displayed.
Swipe	Swipe quickly to the right or left.	In a list, swipe on an item to delete it.
Four-Finger Swipe	Swipe up with four fingers to reveal the multitasking bar. Swipe down with four fingers to hide the multitasking bar.	This is a multitasking gesture. This gesture reveals the multitasking bar so that you can move between iPad applications.

Accessibility Features for Oracle BI Mobile

This appendix describes the Android accessibility features that you can use to view and interact with your BI content.

- [Android Accessibility Features and Oracle BI Mobile](#)

Android Accessibility Features and Oracle BI Mobile

You can use the Android operating system's accessibility features while working with Oracle Business Intelligence Mobile (Oracle BI Mobile). Android devices provide features that offer assistance in the areas of vision, hearing, and fine-motor skills.

Oracle BI Mobile employs the following native Android accessibility options:

- **Talkback.** Provides spoken feedback to describe what you touch, select, and activate.
- **Magnification.** Provides the triple-tap gesture for zooming, and the triple-tap-and-hold gesture for temporary magnification.
- **Large text.** Makes the text on your screen larger.

To access your device's accessibility settings:

1. Pull down the notification bar from the top right of your device's screen, then tap the **Settings** icon to access device settings.
2. Scroll down to the System section and tap **Accessibility**.

