



Mobile Games

Integration Guide

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Overview

With the advent and proliferation of smart phones and always-connected internet access, the viability of Mobile Gaming has finally become lucrative source of additional revenue for savvy operators. With hundreds of thousands of new mobile devices being activated every month, this rapidly growing sector may one day overtake traditional desktop gaming. Betsoft Gaming is at the forefront of this exciting new market with their Mobile Games platform. This overview document will bring you up to speed on the requirements needed to implement Betsoft's Mobile Games platform on your system.

Comparing Mobile vs. Desktop Games

Aside from the obvious visual differences, the Mobile games are built in an entirely different way as compared to Betsoft's Desktop Games. The key difference is that Mobile games are built with HTML5, whereas the Desktop games are built using Adobe Flash.



Adobe Flash based games are self contained applications that run in an emulated environment (the Adobe Flash Plugin) outside of the web browser. HTML5 based games are built as a webpage, which runs directly inside of the web browser.

The Flash games are requested from a game webpage loaded from the licensee's server, with the appropriate parameters via a flash object container (typically via the swfobject library). The HTML5 based games are hosted completely within their own pages, at the Betsoft servers, and receive their parameters from the Licensee's system via URL.

These key differences require that the Licensee create a separate lobby just for the mobile games. This also allows the Licensee to custom tailor the look and design of the mobile games lobby to suit the different screen size and limited multimedia capabilities of the mobile device's web browser. i.e. Flash Lobbies are not supported, as Flash is not available.

Supported Devices

Betsoft's Mobile Games platform is designed and optimized for the built-in web browser of many popular devices across multiple platforms. Betsoft's Mobile Games Platform supports the following devices/platforms:

Apple iOS 5 and later

Android 4.1 and later

Windows Phone 8 and later

The following tables outline the requirements for each platform in detail.



iOS Support

The Betsoft Mobile Games platform supports the native browser (Safari) for all iOS 5 (and newer) devices, such as the iPad 2, iPhone 4s, iPod Touch 5th Generation. Newer devices will also work flawlessly.

Any older iOS devices with Apple A4 single core chip with 512MB of RAM that can run iOS 5 or newer, such as Original iPad, iPhone4, will work, but they will likely have performance issues. Any older iOS devices with less than 512MB of RAM that can run iOS 4.2 or newer, such as Generation 3/4 iPod Touches, or the iPhone 3GS, may also work, but they have not been tested or optimized to work on such platforms, and will likely have performance issues and possibly other problems as well.

As such the licensee must make the HTML5 games available for only the recommended devices running iOS 5 or newer. Please see the following table for a list of all iOS devices and recommendations:

Device	Recommended for Use?	Minimum OS	Recommended OS
iPhone 5S	Yes	iOS 7	iOS 7
iPhone 5C	Yes	iOS 7	iOS 7
iPhone 5	Yes	iOS 6	iOS 6
iPhone 4S	Yes	iOS 5	iOS 6
iPhone 4	Yes	iOS 4.2	iOS 6
iPhone 3GS	No	iOS 4.2	iOS 6
iPhone 3G	Cannot Run	Cannot Run	Cannot Run
iPhone	Cannot Run	Cannot Run	Cannot Run
iPod Touch 5th Gen.	Yes	iOS 6	iOS 6
iPod Touch 4th Gen.	No	iOS 4.2	iOS 6
iPod Touch 3rd Gen.	No	iOS 4.2	iOS 5.1.1
iPod Touch 2nd Gen.	Cannot Run	Cannot Run	Cannot Run
iPod Touch 1st Gen	Cannot Run	Cannot Run	Cannot Run
iPad 4	Yes	iOS 6	iOS 6
iPad 3	Yes	iOS 5	iOS 6
iPad Mini	Yes	iOS 6	iOS 6
iPad 2	Yes	iOS 4.2	iOS 6
iPad	Yes	iOS 4.2	iOS 5.1.1

Android Support

Betsoft's Mobile Games platform also supports Android 4.1 and its native browser. This includes later versions of Android, such as Android 4.3. While there are far too many Android devices to list in this document, devices such as the Samsung Galaxy S3, Google Nexus 7 (2012), and any comparable/newer devices will work flawlessly. Any older devices running Android 4.1 or newer may also work, but they have not been tested and the games have not been optimized to run on such platforms. They may possibly have performance issues, or other such problems.

Devices running Android 4.0 or older will not be able to run the games on the Betsoft Mobile Games platform, however, such devices may be able to run the Flash Player for Android, and use the desktop game clients, but this is not supported or recommended.

Windows Phone Support

The Betsoft Mobile Games platform also supports Windows Phone 8, via the built in Internet Explorer 10 web browser. Devices such as the Nokia Lumia 920 and newer devices will work flawlessly.

Devices running older Windows Phone or Internet Explorer platforms (e.g. devices powered by Windows Phone 7.5 and Internet Explorer 9) will not work.

Device Identification

In order to ensure that the correct version of a game is loaded upon a start game request, the device must be properly identified as an iOS Mobile device. Betsoft recommends 2 methods to identify the device to ensure that the correct game version is loaded.

- Licensee Identified: The Licensee identifies the device before sending the start game request to the Betsoft system, and then makes the start game request using the correct GameID and BankID as applicable.
- BSG Identified: Betsoft's servers can identify the user's Device and load the appropriate version of the game. This method allows the Licensee to use the same start game URL as the Desktop version. In the event that the start game script detects that the user is using an appropriate iOS device, it will instead load the Mobile version instead of the Desktop version.

Layout Restrictions

Betsoft's Mobile Games have no layout restriction and can be played in both Portrait and Landscape Mode. However, our games are designed to be played in Landscape mode, and we recommend that the Licensee's players use that orientation.

Security Restrictions

Betsoft's Mobile Games have no specific security requirements, however if the Licensee wishes to use HTTPS to load the mobile games, a valid SSL certificate is required.

Game Lobby

Similar to how Betsoft's Flash based games are integrated, the Licensee builds and maintains the Casino Lobby for the Mobile Games. The Game IDs and links to initiate a mobile game session are provided by Betsoft.

Each Mobile Game has its game rules built right into the game itself and is easily accessible via the Paytable, Help, or Rules button on the main screen of the game, as applicable to each game.

Starting a Mobile Game

Starting a Mobile Game session is very simple, and is very similar to how Betsoft's Flash games are started, with a standard start game URL. There is only one major restriction: Mobile Games cannot be opened in an iframe/div/span container, they should only be opened in their own window.

Betsoft's Mobile Games offer both Play Money mode and Real Money mode. The URL formatting is similar to the Flash games. For example:

Play Money mode:

`http://licensee.betsoftgaming.com/cwguestlogin.do?bankId=1234&gameId=5678&lang=en&homeUrl=http://licenseeserver.com/home&cashierUrl=http://licenseeserver.com/cashier`

Real Money mode:

`http://licensee.betsoftgaming.com/cwstartgamev2.do?bankId=1234&gameId=5678&mode=real&token=12346789&lang=en&homeUrl=http://licenseeserver.com/home&cashierUrl=http://licenseeserver.com/cashier`

Those familiar with the game launch protocol for Betsoft's Desktop games will have no trouble with managing and releasing Betsoft's Mobile Games, as the process is nearly identical.

Game Start Parameters

The parameters for each game start link are delivered in the initiating URL, and are typically provided by Betsoft. They are identical to the ones used by the Flash Games.

Guest Mode Parameters

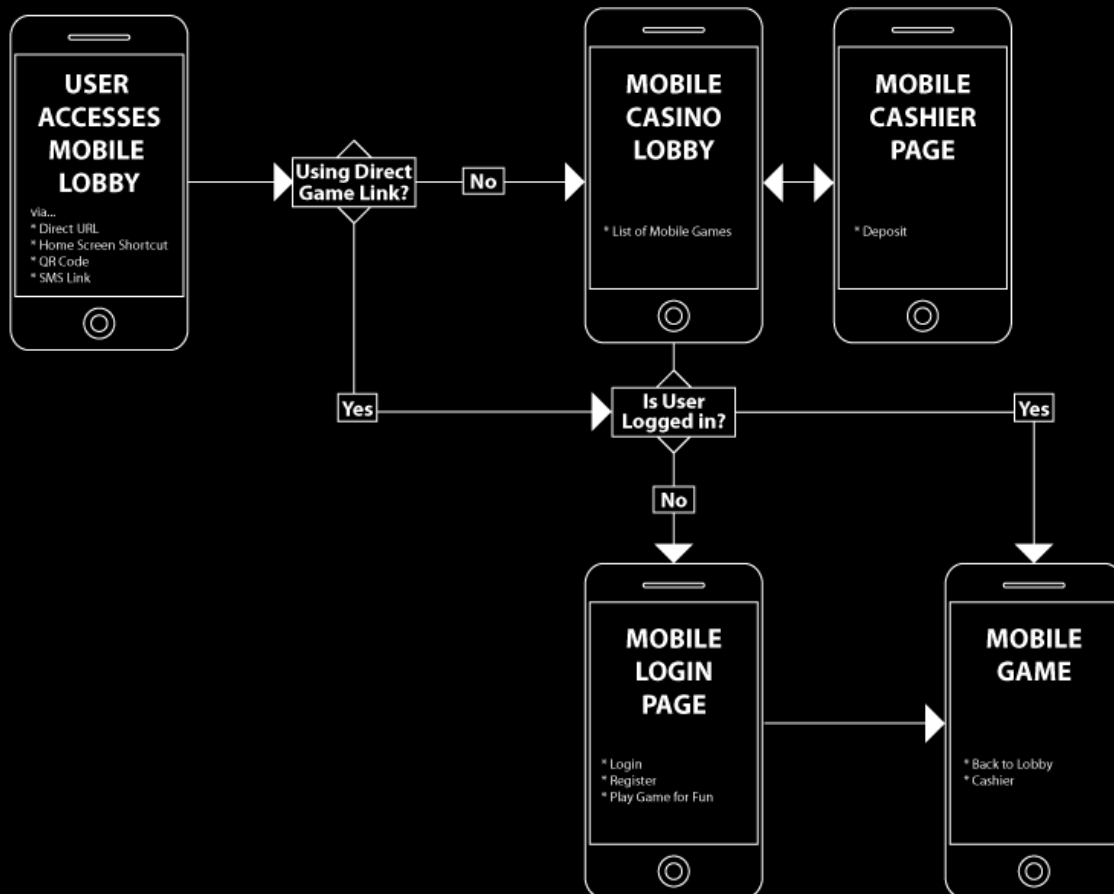
Parameter Name	Mandatory?	Description	Default Example
bankId	No	ID of bank (provided by Betsoft)	1234
gameId	Yes	ID of game (provided by Betsoft)	5678
lang	No	2 Letter code for Language	"en" for English
homeUrl	No	URL to redirect to when <HOME> button is pressed. Must be provided by licensee.	URL configured for bank will be used if no specific URL is provided.
cashierUrl	No	URL to redirect to when <GO TO CASHIER> button is pressed. Must be provided by licensee.	URL configured for bank will be used if no specific URL is provided.

Real Mode Parameters

Parameter Name	Mandatory?	Description	Default Example
bankId	No	ID of bank (provided by Betsoft)	1234
gameId	Yes	ID of game (provided by Betsoft)	5678
token	Yes	Required for user authentication	1a2b3c4d5e6f7
mode	Yes	Possible Options include: REAL or FREE	Real
lang	No	2 Letter code for Language	"en" for English
homeUrl	No	URL to redirect to when <HOME> button is pressed. Must be provided by licensee.	URL configured for bank will be used if no specific URL is provided.
cashierUrl	No	URL to redirect to when <GO TO CASHIER> button is pressed. Must be provided by licensee.	URL configured for bank will be used if no specific URL is provided.

Mobile Lobby Structure

Betsoft Recommends the following structure for Mobile Games Lobby:



Branding & Customization

Betsoft offers the full range of customization options for Mobile Games. Please speak with your Account Manager for more details.

Localization

Betsoft offers complete localization support for Mobile Games, including popular languages like Swedish, Norwegian, Dutch and Finnish as well as other languages upon request. Please speak with your Account Manager for more details.

Integration and Testing

During integration development and testing Betsoft recommends that the Licensee use genuine iOS devices for the most accurate testing. While there are desktop based browser plugins that allow them to masquerade as an iOS device, in many cases they do not provide a true simulation of the idiosyncrasies found in the Safari Browser on iOS and cannot be relied upon.

Game IDs

Mobile Game IDs are provided to the Licensee by their respective Account Manager. Betsoft can also prepare unique game IDs for Mobile Games if the Licensee requires. For more information about our ever-growing Mobile Games catalogue, please visit <http://www.betsoftgaming.com/mobile>