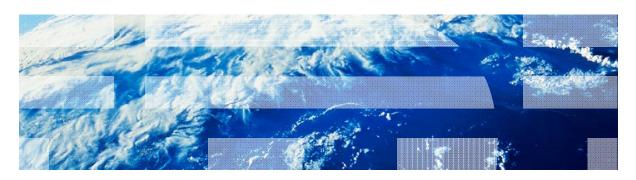


IBM Worklight V6.0.0 Getting Started

General information when developing for Windows Phone 7.5





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- Installation
- Development
- Environment-specific images
- Debugging the application
- Deployment



Installation

For a detailed explanation, see "Setting up your Windows Phone 7.5 Development Environment" training module.





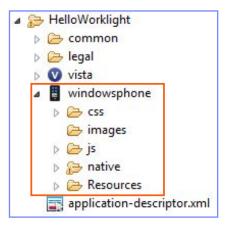
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Development

- As with any other environment, you do most of your Worklight® Windows Phone 7 application development in Worklight Studio.
- In your Windows Phone environment, the files in the css, images, and js folders under windowsphone override the files with the same file names in the common folder.

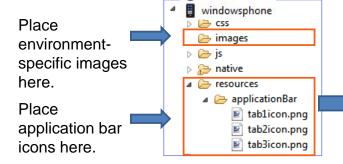
 If you use a source control management system, see its documentation for further instructions on how to commit your source code





Development

- Implementing an application bar requires attention:
 - Because of the Windows Phone 7 platform specifications, when you implement an application bar, you cannot place the icons that the application bar uses in the usual images/ folder.
 - You must place them in the Resources/applicationBar folder in your Windows Phone 7 environment.







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Environment-specific images (1 of 2)

- All Windows Phone 7.5 handsets have WVGA 800x480 resolution (5:3 ratio), regardless of their screen size.
- Edit the SplashScreenImage.jpg file that is in the Windows Phone 7.5 environment native directory to modify the application splash screen.
- Edit the ApplicationIcon.png file (must be a 62x62 PNG) to modify the application icon that shows in the applications list.
- Edit the Background.png file (must be 173x173 PNG) to modify the application tile background that shows in the handset home screen.



Environment-specific images (2 of 2)

- Application Bar icon images must be 48x48 pixels and have a white foreground on a transparent background by using an alpha channel.
 - The Application Bar colorizes the icon according to the current style settings. Using colored icons can result in an unpredictable display.
- Images that are sized in dimensions other than the recommended ones are scaled to fit, and can potentially lower the overall image quality of the Application Bar Icon.
- The circle that is displayed on each icon button is drawn by the Application Bar – do not include it in the source image.

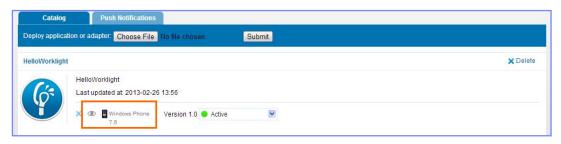


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Debugging the application (1 of 3)

- Phase 1 Testing the application in your browser.
- With the Worklight Console, you can preview the Windows Phone 7 application in a web browser.

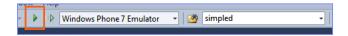


- Your Windows Phone 8 app resources are previewed in the browser, and you can then debug the application by using the tools that the browser offers.
 - For example, Firebug, Developer toolbar, or Console.



Debugging the application (2 of 3)

- Phase 2 Testing on a Windows Phone 7 emulator.
- Start your application in debug mode.



- Preview your application in an emulator.
- While you browse, debug the information in the Visual Studio output.

```
Output
Show output from: Debug
 'taskhost.exe' (Managed): Loaded 'Microsoft.Devices.Sensors.dll
 INFO: wlclient init started
 INFO: CookieMgr read cookies: {"WL_PERSISTENT_COOKIE": "735b1299-8fae-4fbb-9917-73e593d7dbd6"}
 INFO: Request [http://192.168.1.34:8080/apps/services/api/EncryptedCacheDemo/windowsphone/0/authentication]
 INFO: Storing cookies: ({"WL_PERSISTENT_COOKIE": "735b1299-8fae-4fbb-9917-73e593d7dbd6"})
 INFO: Storing cookies: ({"WL_PERSISTENT_COOKIE": "735b1299-8fae-4fbb-9917-73e593d7dbd6"})
 INFO: response [http://192.168.1.34:8080/apps/services/api/EncryptedCacheDemo/windowsphone/0/authentication]
 {"success":"success"}*/
 INFO: Request [http://192.168.1.34:8080/apps/services/api/EncryptedCacheDemo/windowsphone/0/init]
 INFO: response [http://192.168.1.34:8080/apps/services/api/EncryptedCacheDemo/windowsphone/0/init] success:
 {"userPrefs":{}, "gadgetProps":{"WLCLIENT_TIMEOUT_IN_MILLIS":30000, "LANGUAGE":null, "DOWNLOAD_APP_LINK":"http:
 INFO: before: app init onSuccess
 INFO: >> EncryptedCacheDemo >> initialize
 Output 🐺 Locals 🚈 Watch
```



Debugging the application (3 of 3)

- To install your application on a Windows Phone 7 device, Zune software must be installed on the development PC
- For more information about Zune installation, see "Setting up your Windows Phone 7.5 Development Environment" training module.





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Deployment

- You must be a registered Windows Phone Developer to submit your applications to the Windows Phone Marketplace.
- Registration can be done at Microsoft App Hub.
 - See http://create.msdn.com
- After registering, you must assemble the prerequisites for your application certification by Microsoft and submit your application for review.
- For more information about the Windows Phone Marketplace application deployment, see the Microsoft MSDN Library website (search for Windows Phone Marketplace developing).



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