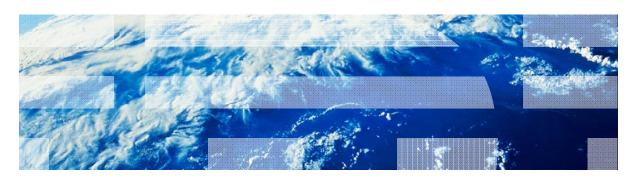


IBM Worklight V5.0.6 Getting Started

General information when developing for Windows Phone 8





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



Installation

For a detailed explanation, see Module 2.6 – Setting-up your Windows
 Phone 8 Development Environment.





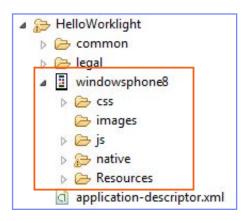
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Development

- As with other environments, you do most of Worklight® Windows Phone 8 application development in Worklight Studio.
- In your Windows Phone 8 environment, the files in the css, images, and js folders under the windowsphone8 folder override 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 to such systems

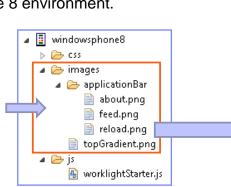




Development

- Implementing an application bar requires attention:
 - Because of the Windows Phone 8 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 images/applicationBar folder in your Windows Phone 8 environment.

Place environment specific images and Application Bar images in the images folder.





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Environment-specific Images

- Edit the SplashScreenImage.jpg file that is in the /native folder to modify the application splash screen.
 - This file must be a .jpg format image with a width of 768 pixels and height of 1280 pixels.
- Edit the ApplicationIcon.png file (must be a 100x100 PNG) to modify the application icon that shows in the applications list.
- Edit the Background.png file (must be 300x300 PNG) to modify the application tile background that shows in the handset home screen.



Environment-specific Images

- Application Bar icon images must be 100x100 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 no include it in the source image.

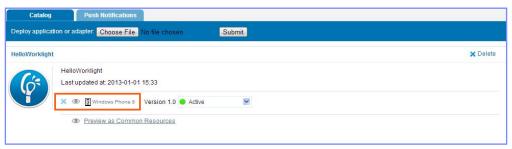


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Debugging the Application

- Phase 1 testing the application in your browser
- With the Worklight Console, you can preview the Windows Phone 8 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

- Phase 2 Testing on a Windows Phone 8 emulator (can be done only on a computer that runs on Windows 8 OS)
- Open your application by using Visual Studio 2012 for Windows Phone.
- Select an emulator and Debug mode.



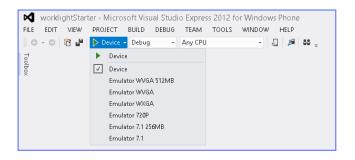
- Preview your application in an emulator.
- While you browse, debug the information in the Visual Studio output.

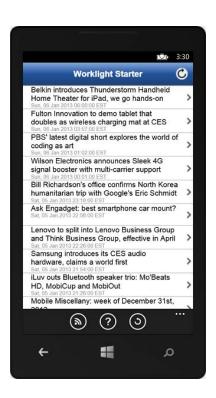
```
Output
Show output from: Debug
 'taskhost.exe' (Managed): Loaded 'Microsoft.Devices.Sensors.dll
 INFO: wlclient init started
 INFO: CookieMgr read cookies: {"WL_PERSISTENT_COOKIE": "735b1299-8fae-4fbb-9917-73e593d7dbd6"}
 INFO: Request [http://192.168.1.34:8080/apps/services/api/EncryptedCacheDemo/windowsphone/0/authentication]
 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 55 Locals 55 Watch
```



Debugging the Application

- To run the application on a Windows Phone 8 device, connect your device and run the application by using Visual Studio Express 2012 for Windows Phone.
- Select the "Device" mode to run on the device.







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Deployment

- You must be a registered WindowsPhone 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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