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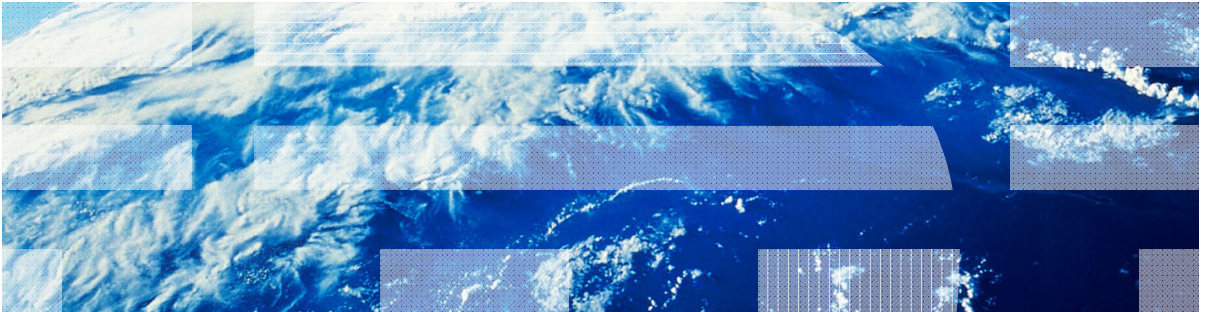
IBM Worklight V5.0.5
Getting Started

Module 19 – Windows Phone 8 Development

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Agenda

- 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**.
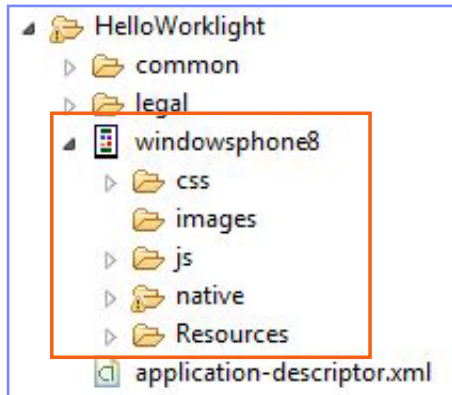
Agenda

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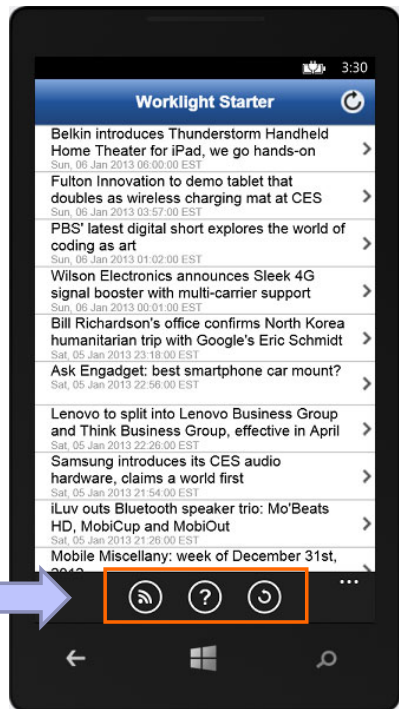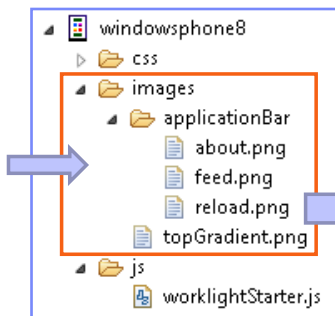- Debugging the application
- Deployment

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.

```
▲ 📱 windowsphone8
  ▷ 📂 css
  ▲ 📂 images
    ▲ 📂 applicationBar
        📄 about.png
        📄 feed.png
        📄 reload.png
      📄 topGradient.png
  ▲ 📂 js
      📄 worklightStarter.js
```

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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.
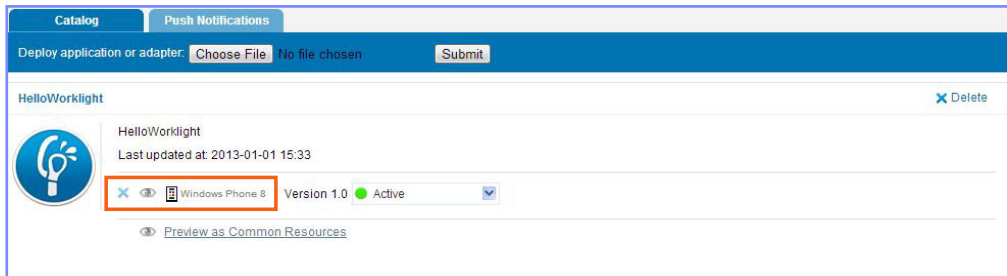
Environment-specific Images

- Application Bar icon images should be 100x100 pixels and have a white foreground on a transparent background using an alpha channel.

  - The Application Bar will colorize 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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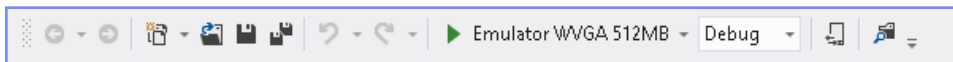- Deployment

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

Catalog	Push Notifications

Deploy application or adapter: Choose File No file chosen Submit

HelloWorklight   ✕ Delete

HelloWorklight
Last updated at: 2013-01-01 15:33

✕ 👁 🗎 Windows Phone 8 Version 1.0 ● Active

👁 Preview as Common Resources

- 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.

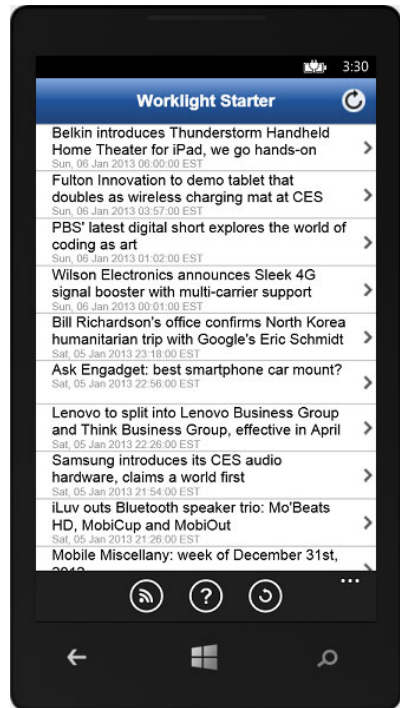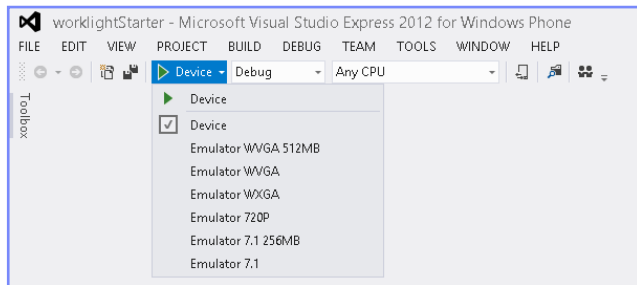- While you browse, debug the information in the Visual Studio output.

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

- When you have registered, 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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