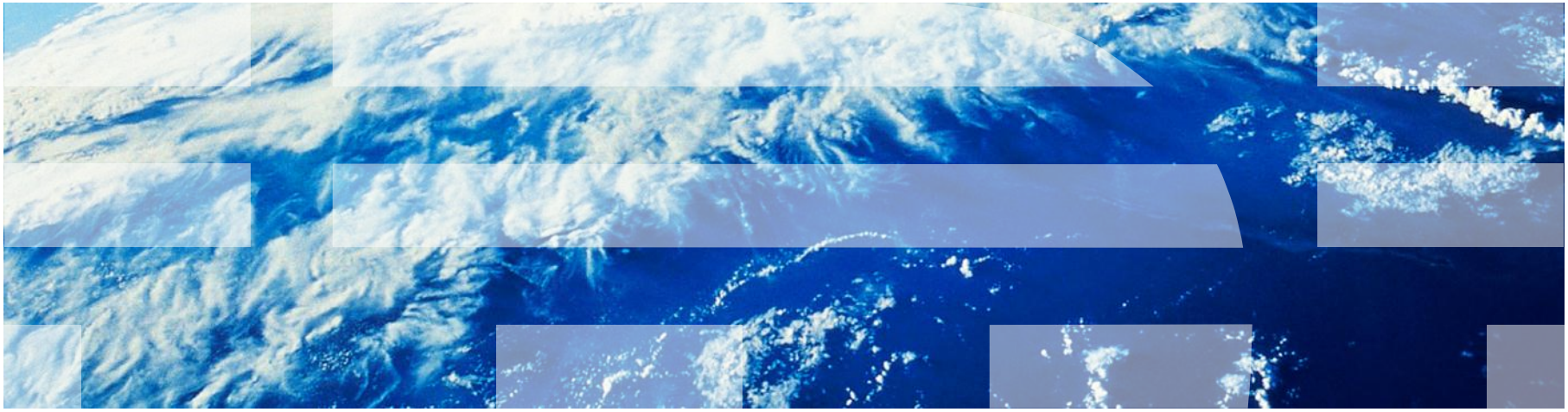
IBM Worklight Foundation V6.2.0
Getting Started

Previewing your application on Windows Phone 8



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Agenda

- Adding a Windows Phone 8 environment
- Review of the Windows Phone 8 environment folder structure
- Opening your application with Visual Studio Express 2012
- Running your application in the Windows Phone 8 Emulator
- Running your application on a real device

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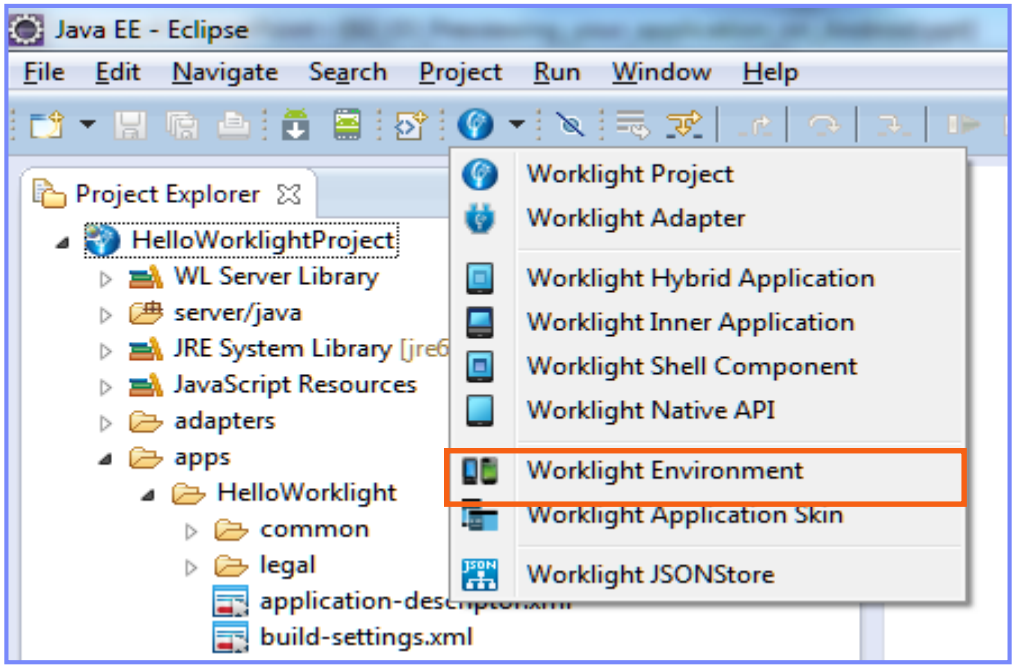
Adding a Windows Phone 8 environment

- Click the Worklight® icon and select **Worklight Environment** to add an environment to your application.



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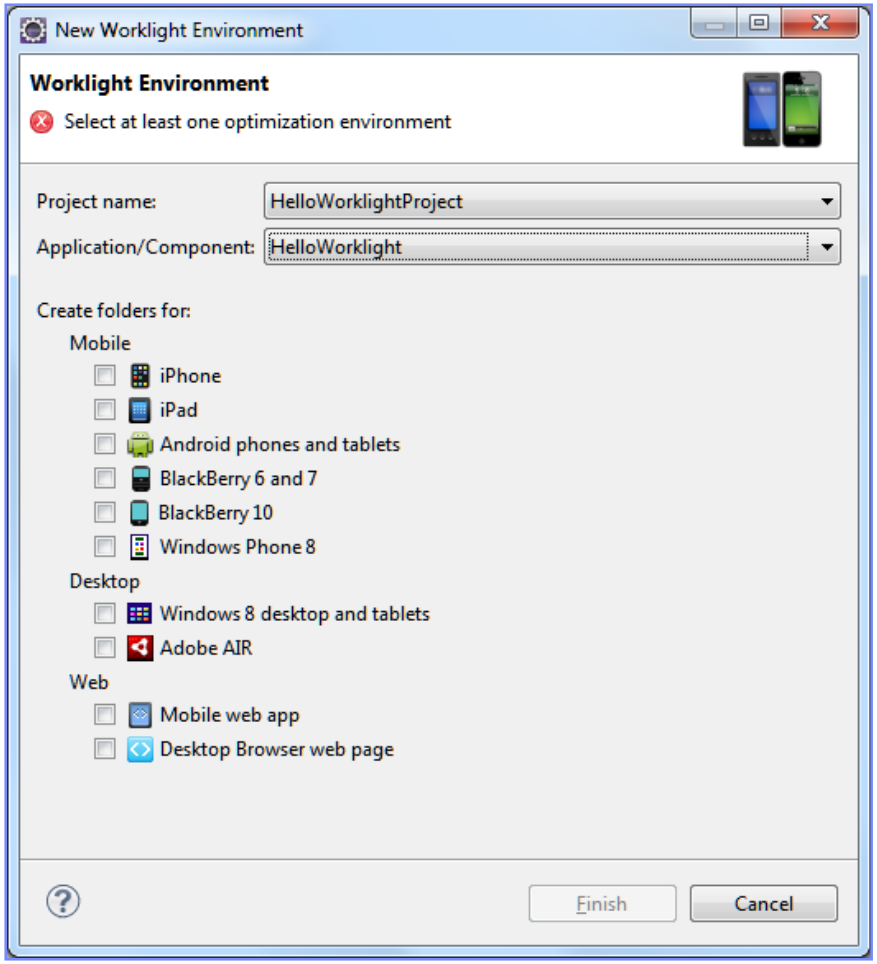
Adding a Windows Phone 8 environment - continued

- Select the **Windows Phone 8** check box, and then click **Finish**.



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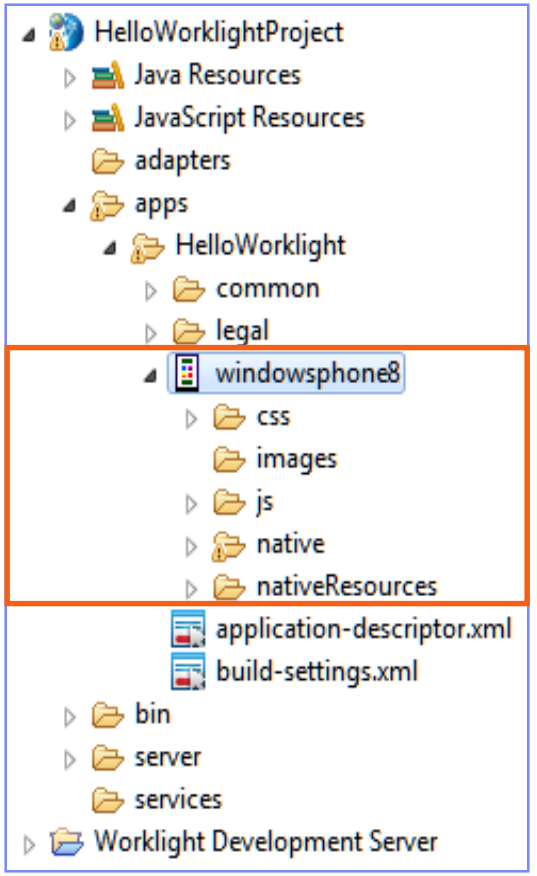
Adding a Windows Phone 8 environment - continued

- The new `windowsphone8` folder is added to your project.



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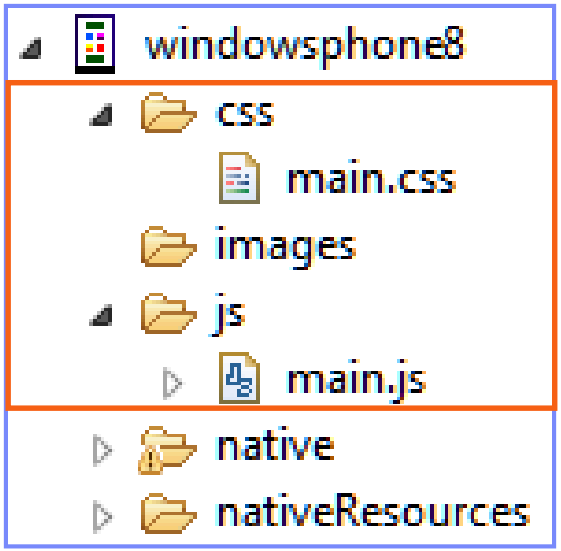
Review of Windows Phone 8 environment folder structure

- The Windows Phone 8 environment includes the following folders:
  - `css` – The properties that are specified here override the CSS files from the `common` folder.
  - `images` – environment-specific images can be added here. If an image with the same file name exists in the `common` folder, it is overwritten in the Windows Phone 8 application.
  - `js` – Contains JavaScript™ that can extend and, if required, override JavaScript from the `common` folder.



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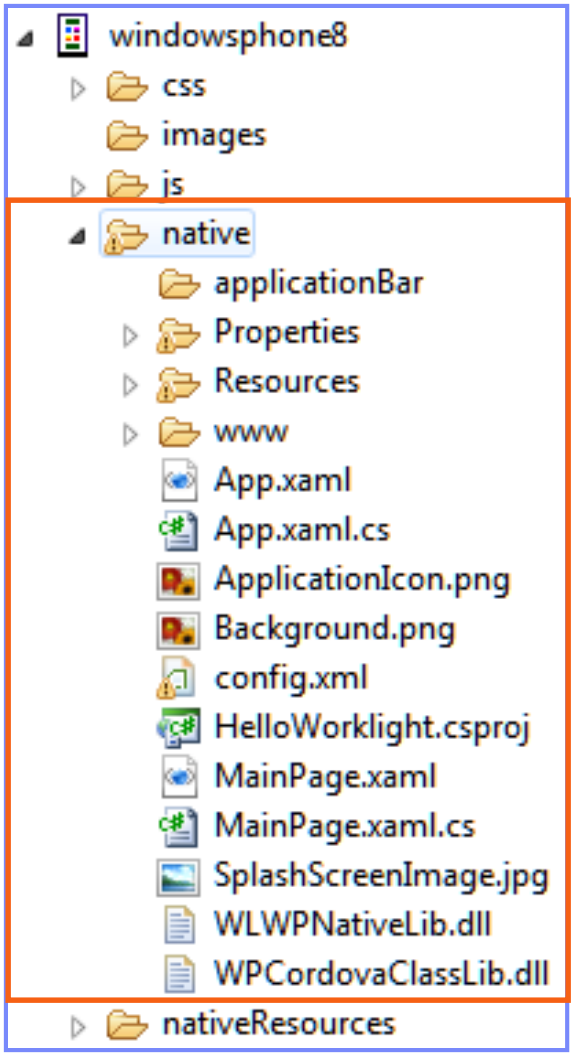
Review of Windows Phone 8 environment folder structure - continued

- The `native` folder under Windows Phone 8 contains automatically generated Windows™ Phone 8 app code.
  - The files in `native/www` are regenerated each time that the application is built, so any changes made to these files are lost.
  - The `Resources` folder under `windowsphone8` contains resources that are used by the native code.
- The `nativeResources` folder contains resources that are used by the native code.
  - In it, the `applicationBar` folder contains icons for Windows Phone 8 TabBar.



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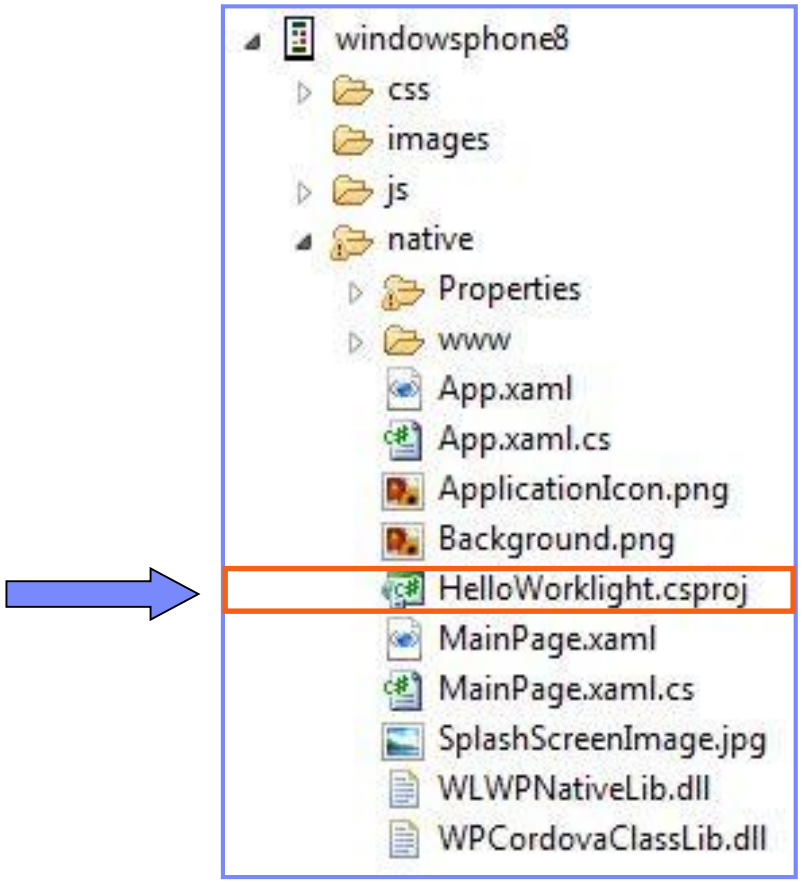
Opening your application with Visual Studio Express 2012

- The Eclipse IDE does not support Windows Phone 8 application development. Your app must be transferred to Visual Studio Express 2012 IDE (available only under **Windows 8**).
- To open a Visual Studio project from the native folder, right-click the `.csproj` file and then select **Open**.



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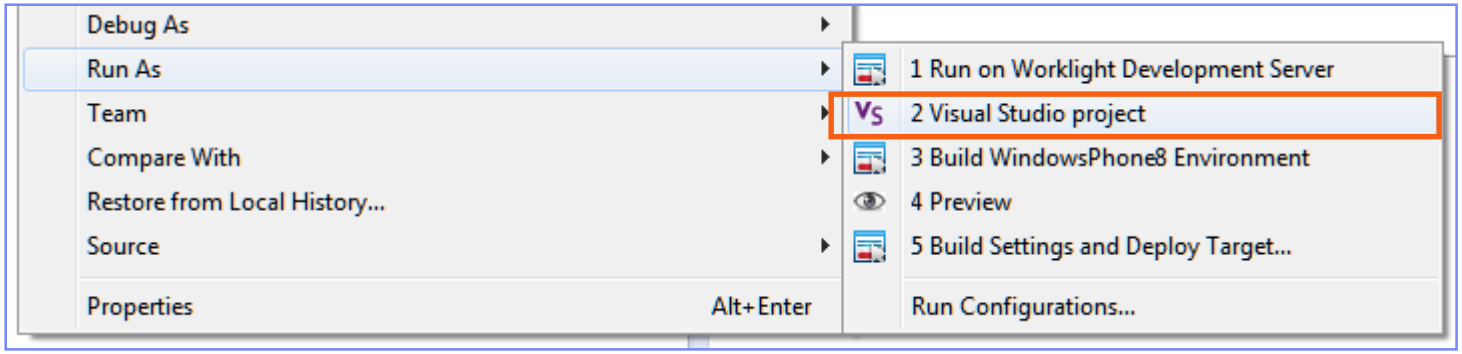
Opening your application with Visual Studio Express 2012 - continued

- As an alternative, you can manually open the `.csproj` file within Microsoft Visual Studio. Click **Open Project** on the left menu and navigate to the project folder.
- If you are running Eclipse in Windows 8, you can also right-click the Windows Phone 8 project and select **Run As > Visual Studio project**. The Worklight plug-in automatically opens Visual Studio for you.



- For more information about Microsoft Visual Studio for Windows Phone 8, see http://www.microsoft.com/visualstudio/eng/products/visual-studio-express-for-windows-phone

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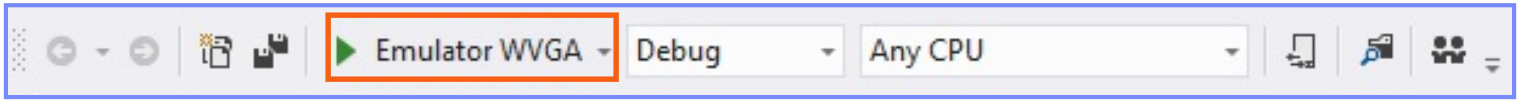
Running your app in the Windows Phone 8 Emulator

- In Visual Studio, make sure that **Windows Phone 8 Emulator** is selected:



- Click the green play button (or press **F5**) to start your application in debug mode.
- To start your application without debug mode, press **Ctrl + F5** or change **Debug** to **Release** in the dropdown list.

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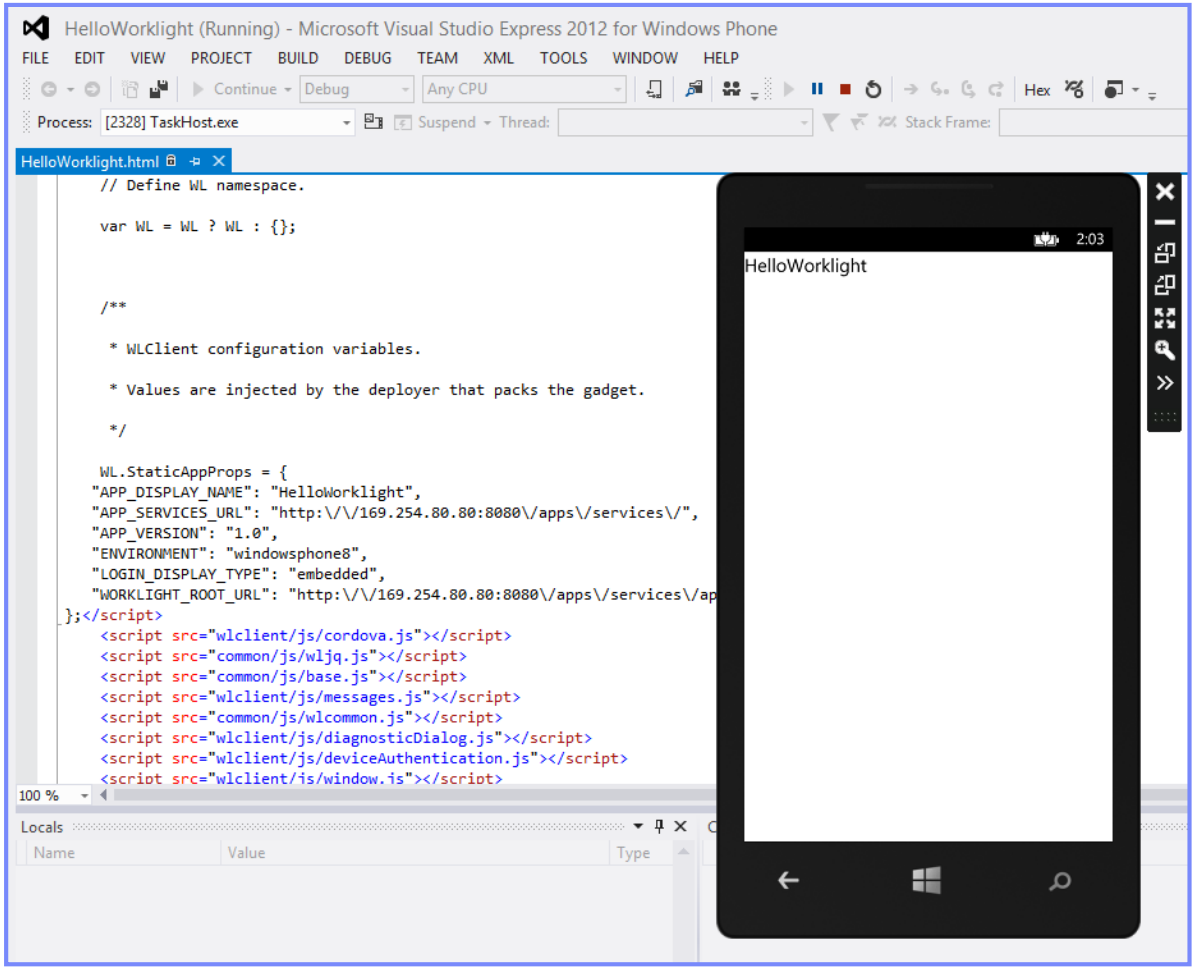
Running your app in the Windows Phone 8 Emulator - continued

- You have created a Windows Phone 8 application.



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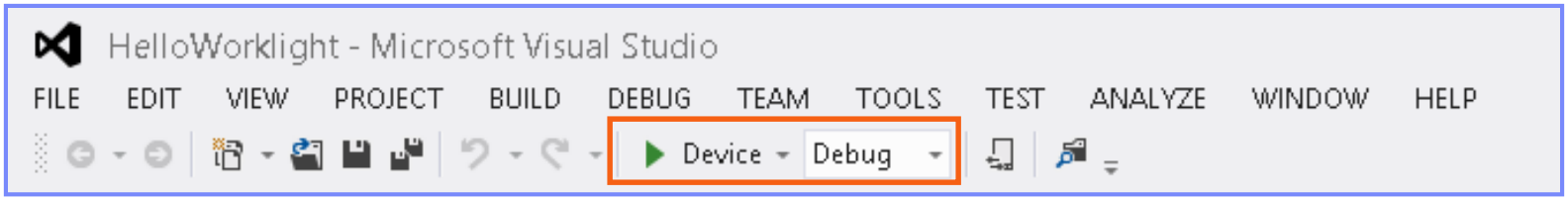
Running your application on a real device

- Make sure that **Device** is selected.



- Make sure that your device is connected and is not in sleep mode.
- Click the green play button (or press **F5**) to start your application in debug mode.
- Click the transparent play button to start your application without debug mode (or press **Ctrl + F5**).

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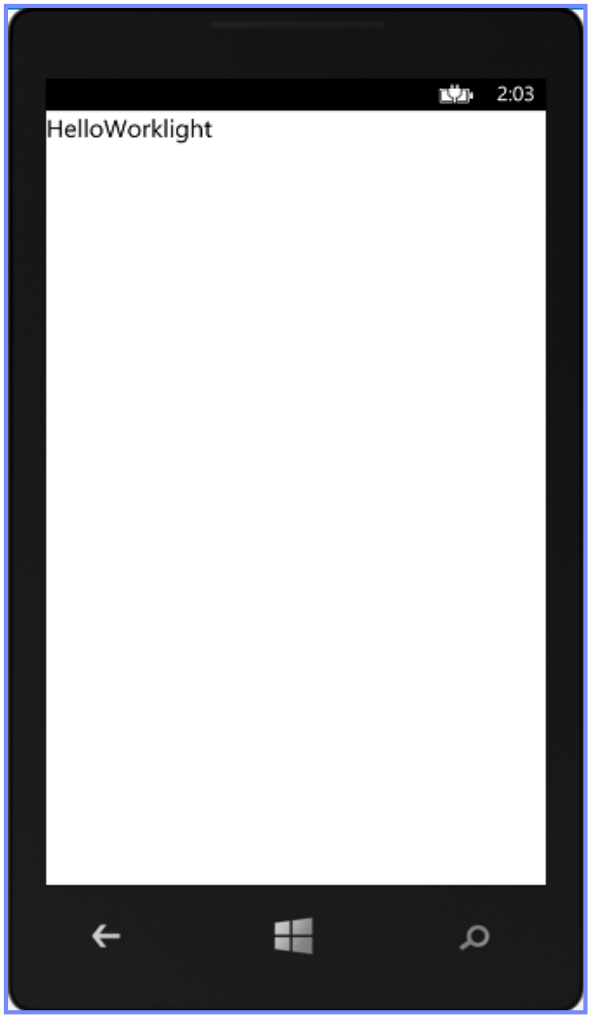
Exercise

- Use the HelloWorklight application that you created earlier
  - Add a Windows Phone 8 environment to it
  - Build and deploy your application on the Worklight Server
  - Transfer your application to Visual Studio
  - Run your application in the Windows Phone 8 emulator



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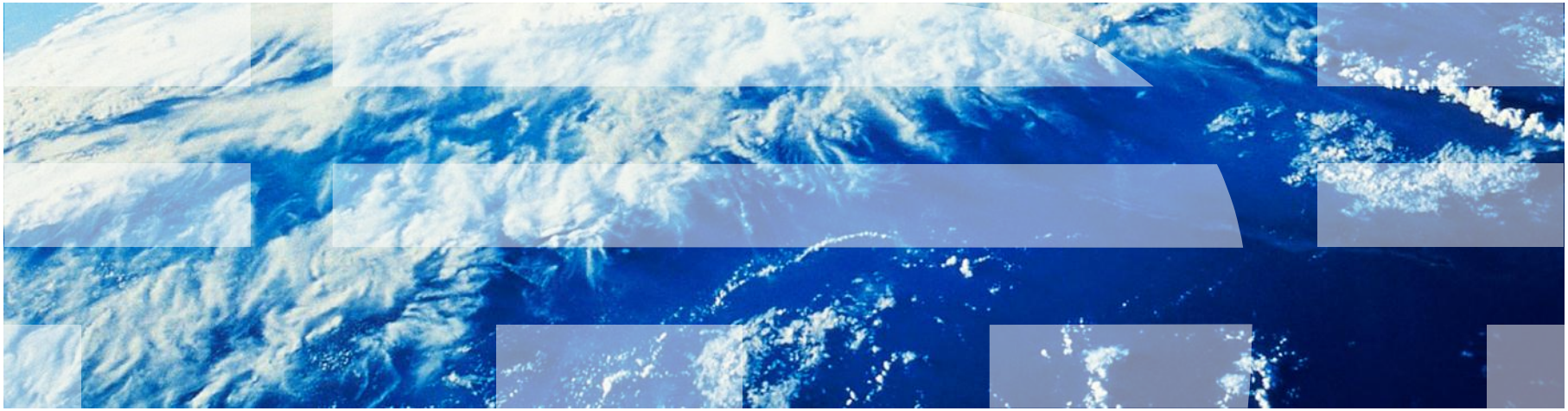

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