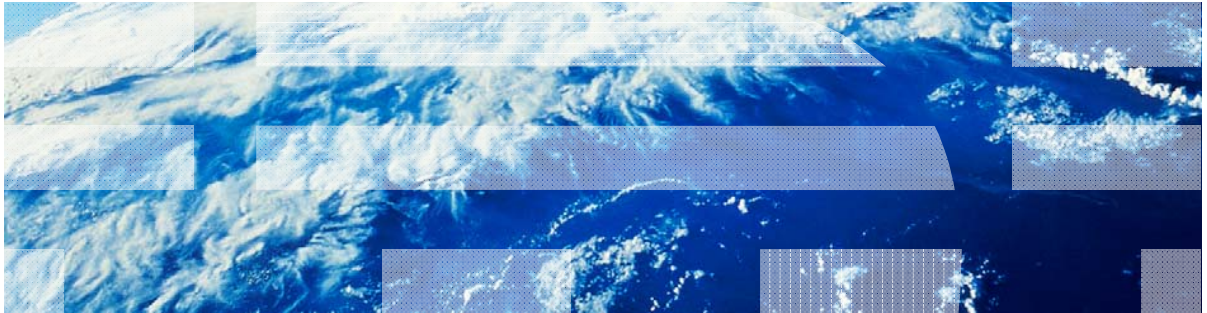


IBM Worklight V6.0.0 Getting Started

Previewing your application on Android



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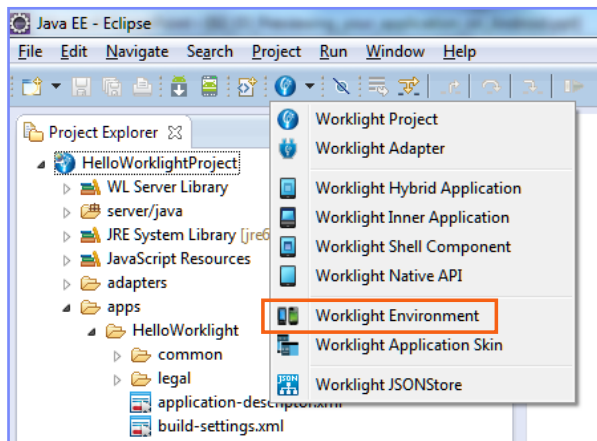
- See <http://www.ibm.com/ibm/us/en/>

Agenda

- Adding an Android environment
- Brief review of the Android environment folder structure
- Previewing your application with the Mobile Browser Simulator
- Running your application on the Android Emulator
- Running your application on a real device

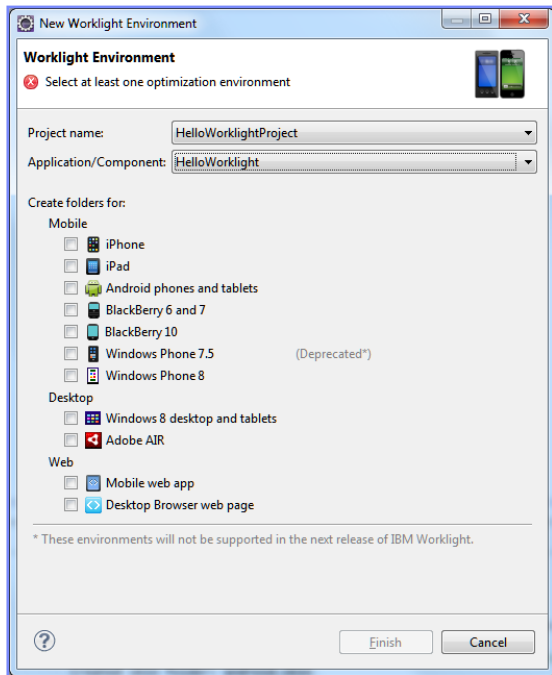
Adding a New Environment

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



Adding a new environment

- Select the **Android phones and tablets** check box, and then click **Finish**.

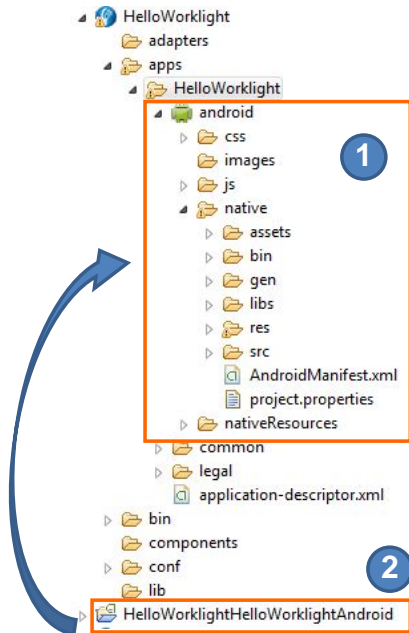


Adding a new environment

- Two folders are automatically added:
 - (1): The **android** folder inside the application folder.
 - (2): The Android project folder in your workspace.

- IMPORTANT

The auto-generated Android project folder does not contain a copy of the code, but it is mapped to a native folder within the android folder of the application.

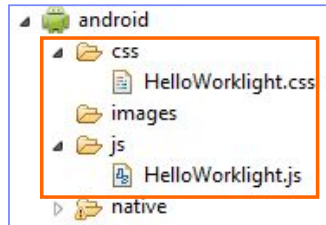


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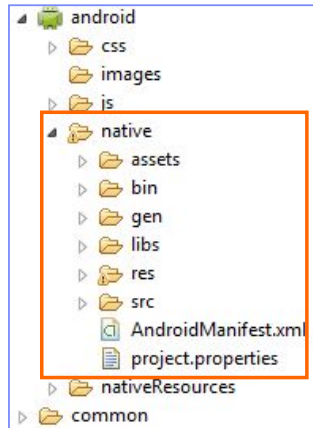
Review of the Android folder structure

- The Android environment consists of the following folders:
 - **css** – The properties that are specified in this folder override the CSS files from the **common** folder.
 - **images** – Android-specific images can be added in this folder. If an image with the same file name exists in the **common** folder, it is overwritten in the Android application.
 - **js** – JavaScript™ that can extend, and override if required, JavaScript code from the **common** folder.



Review of the Android folder structure

- The **native** folder under the **android** folder contains automatically-generated Android application code that is automatically imported into the Eclipse workspace as an Android project.
- Files in the **assets** folder are regenerated every time that the application is built, so any changes made to these files are lost.

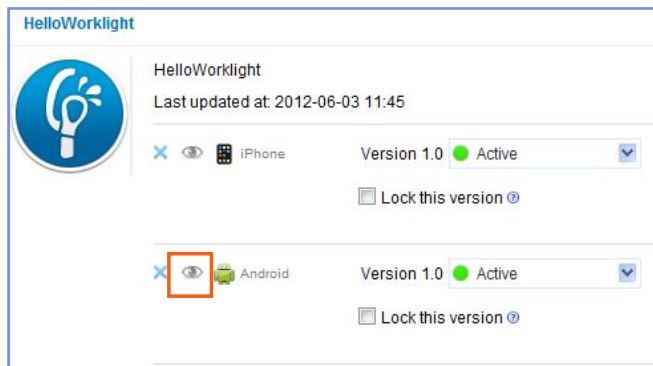


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Previewing your application with the Mobile Browser Simulator

- When your application is built and deployed in Worklight® Studio, you can preview it in the Mobile Browser Simulator.
- Right-click the project and select **Open Worklight Console**, or browse to the Worklight Console, and then click the preview icon beside the environment for which you want to preview your app.



Previewing your application with the Mobile Browser Simulator

- The Mobile Browser Simulator (MBS) can be used to emulate Cordova, or to preview your application with different device skins.
- *Limitation:* With the Mobile Browser Simulator, to preview an application that contains security tests that rely on the device (such as auto-provisioning or authenticity), you must temporarily change the security test settings so that they do not use the device identification.

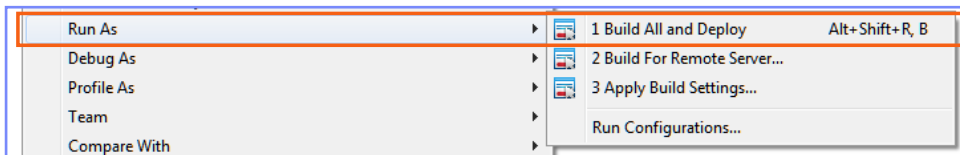


Agenda

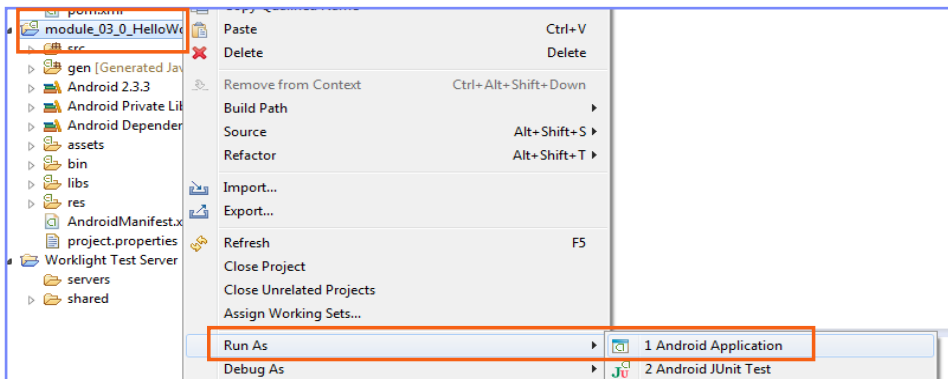
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Running Your App on the Android Emulator

- Build and deploy your application to Worklight Server.

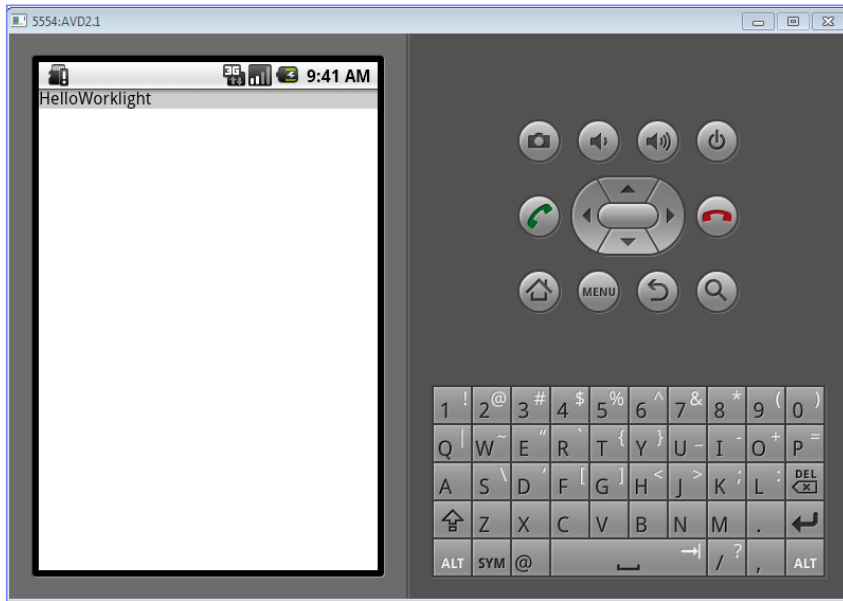


- Right-click the automatically generated Android Project, and select **Run As > Android Application**.



Running Your App on the Android Emulator

- You created your first Android application.



Agenda

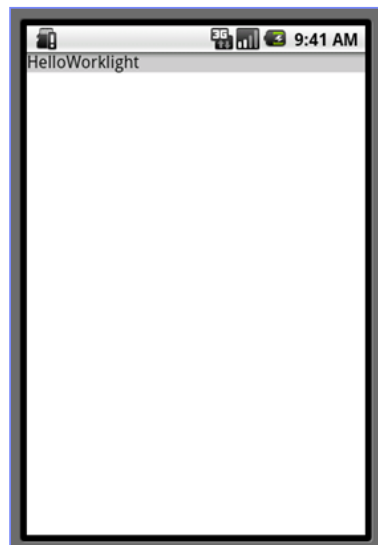
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Running your application on a real device

- When an Android device is connected to the computer with a USB cable, the Eclipse ADT plug-in automatically recognizes the Android device and attempts to deploy applications onto it.
- For more information and device drivers, see <http://developer.android.com/sdk/win-usb.html>

Exercise

- Exercise
 - Use the HelloWorklight application that you created earlier.
 - Add an Android environment to the application.
 - Build and deploy your application to the Worklight Server.
 - Run the auto-generated Android application on the emulator.



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