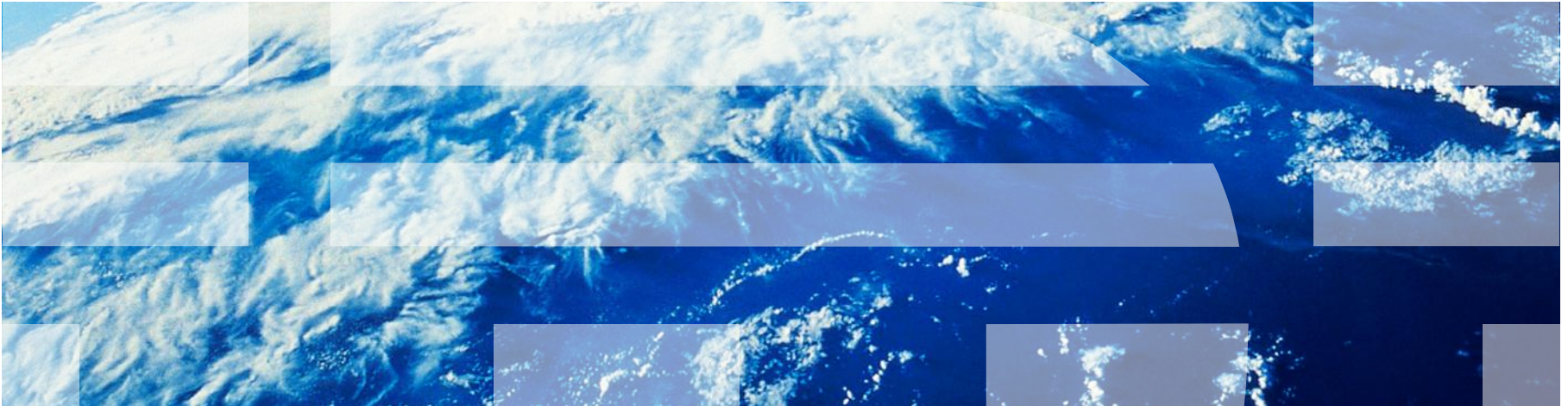


IBM Worklight Foundation V6.2.0 Getting Started

Previewing your application on BlackBerry 6 and 7



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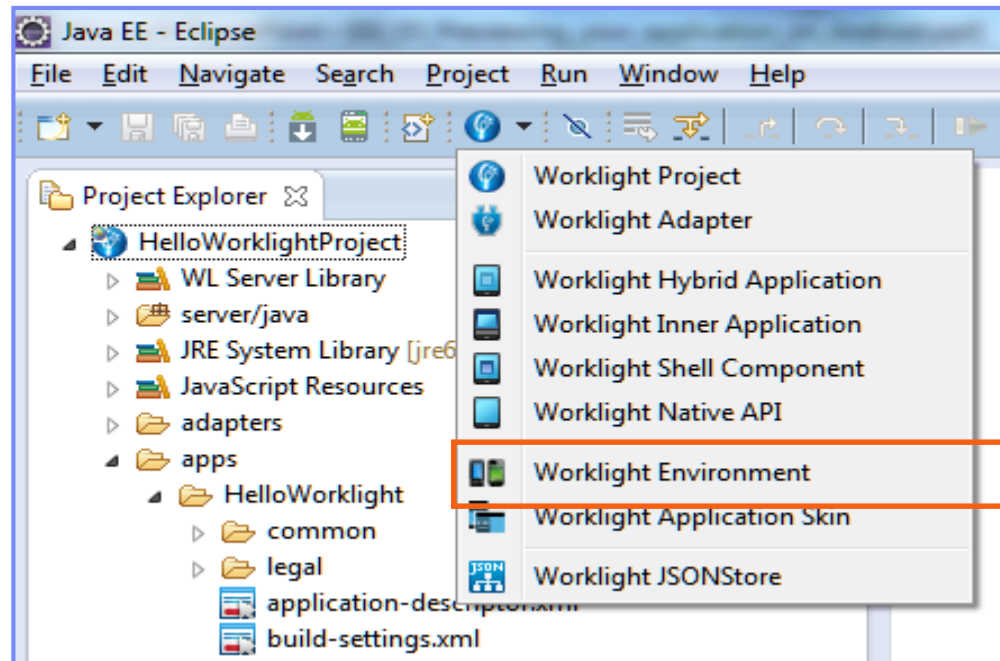
- See <http://www.ibm.com/ibm/us/en/>

Agenda

- Adding a BlackBerry environment
- Review of the BlackBerry environment folder structure
- Previewing your application with the Mobile Browser Simulator
- Previewing your application on the BlackBerry Ripple Emulator
- Running your application on BlackBerry Simulator and BlackBerry handsets

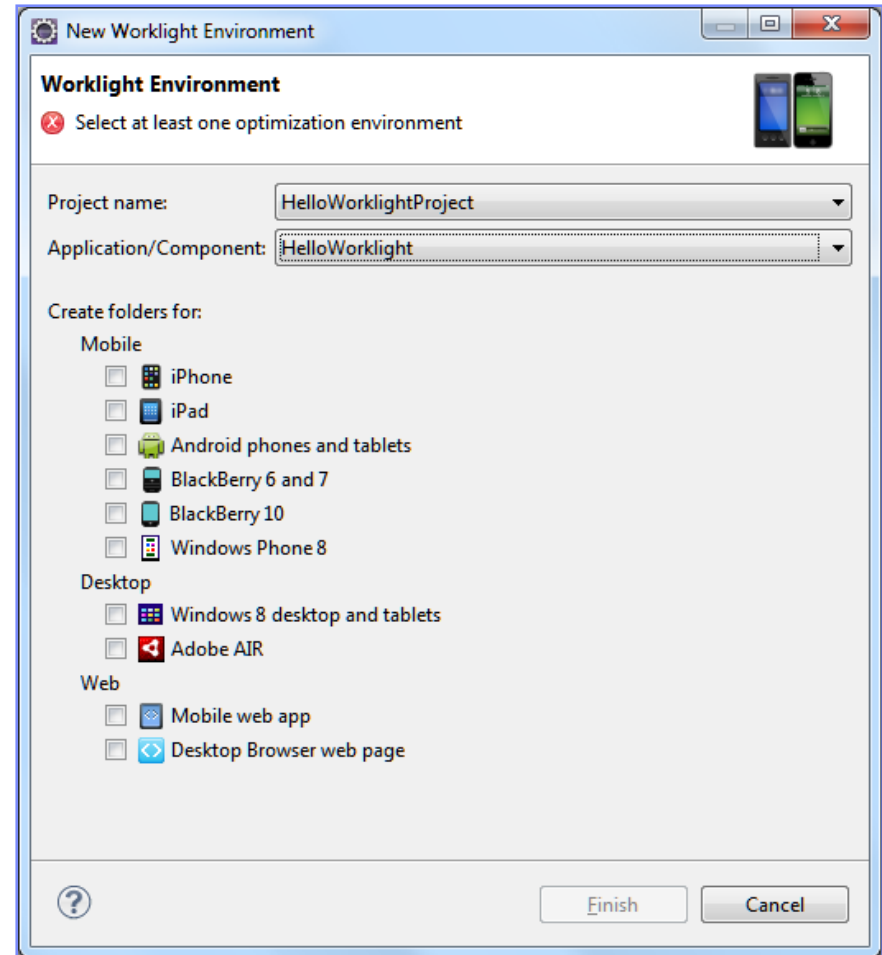
Adding a BlackBerry environment

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



Adding a BlackBerry environment - continued

- Select the **BlackBerry 6 and 7** check box, and click **Finish**.
- A **blackberry** folder is automatically added.

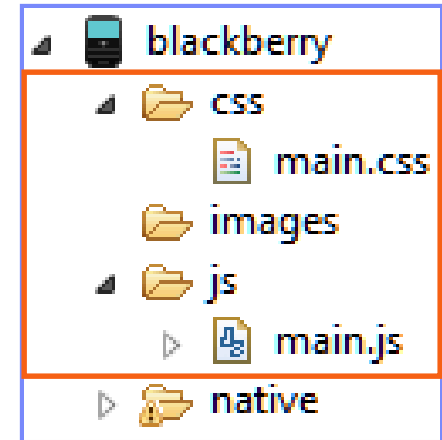


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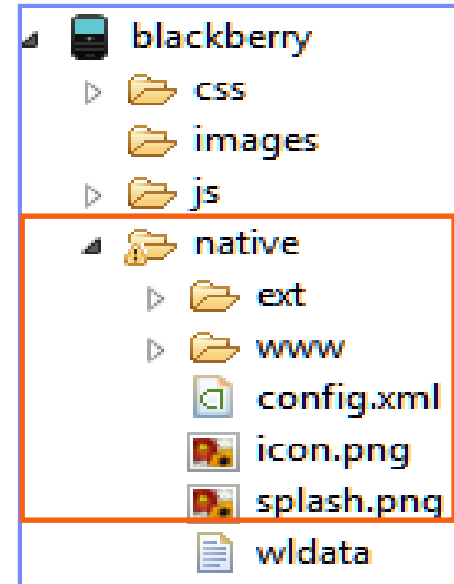
Review of the BlackBerry environment folder structure

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



Review of the BlackBerry environment folder structure - continued

- The `native` folder contains automatically generated BlackBerry app code that is ready to be packaged.
- The CSS, HTML, and JS files in the `native/www` folder are regenerated every time that the application is built, so any changes made to these files are lost.

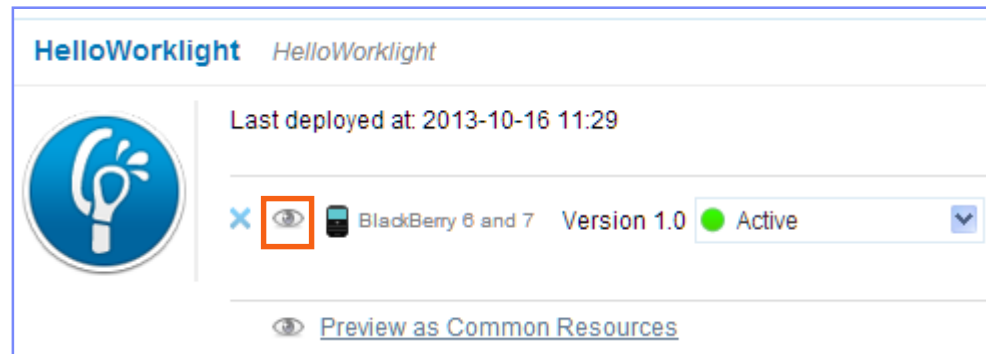


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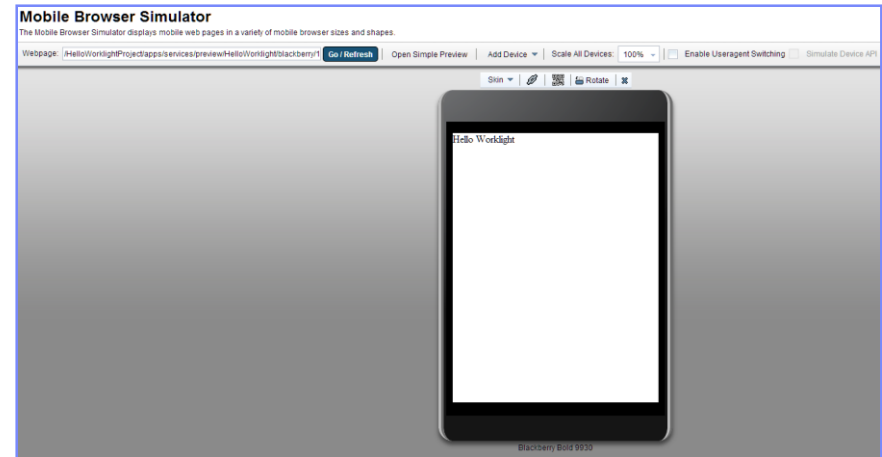
Previewing your application with the Mobile Browser Simulator

- Once 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 name.



Previewing your application with the Mobile Browser Simulator - continued

- The Mobile Browser Simulator (MBS) can be used to emulate Cordova, or to preview your application with different device skins.
 - *Limitations:*
 - 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.
 - Cordova simulation is **not available** for BlackBerry 6 and 7.

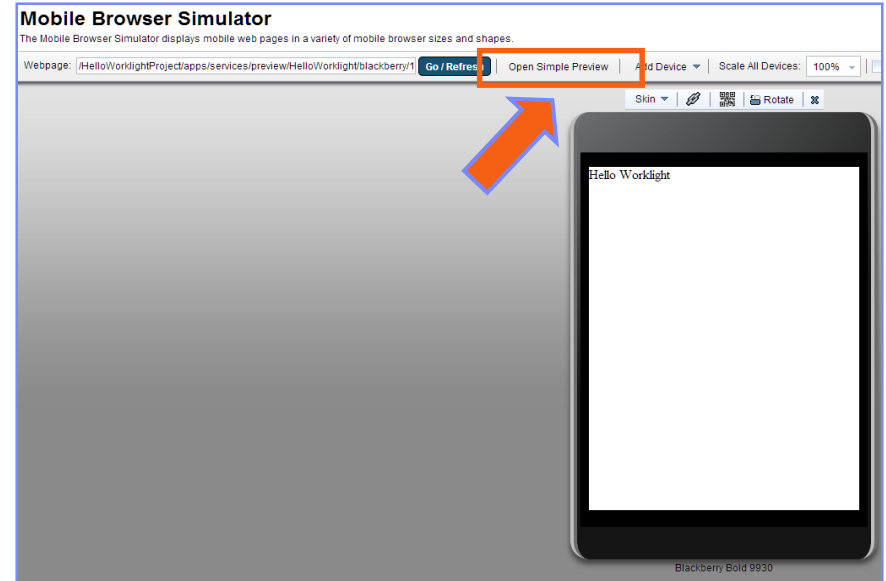


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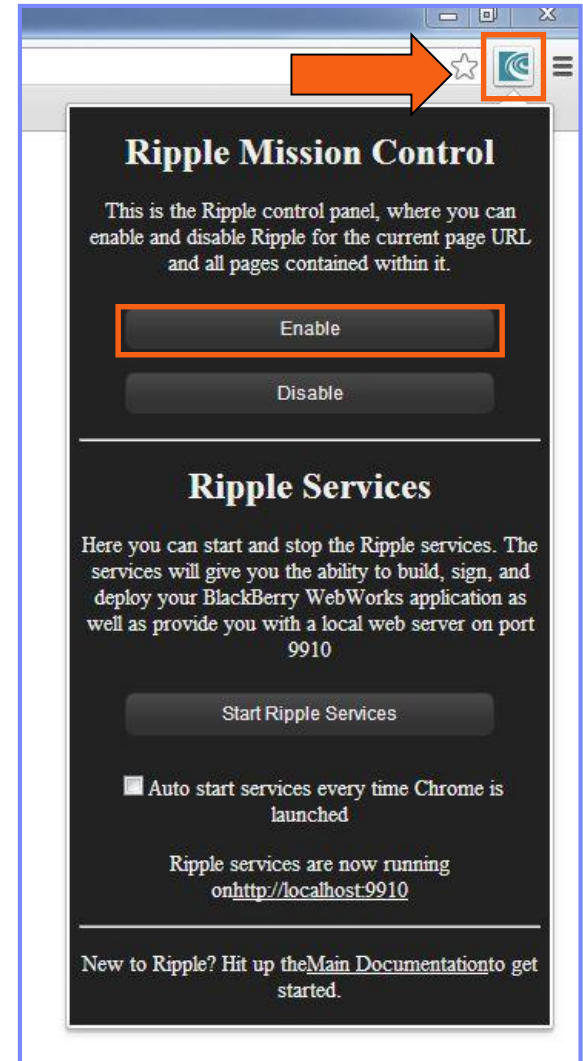
Previewing your application on the BlackBerry Ripple Emulator

- Click **Open Simple Preview**.
- Make sure to enable the Ripple plug-in in Chrome.



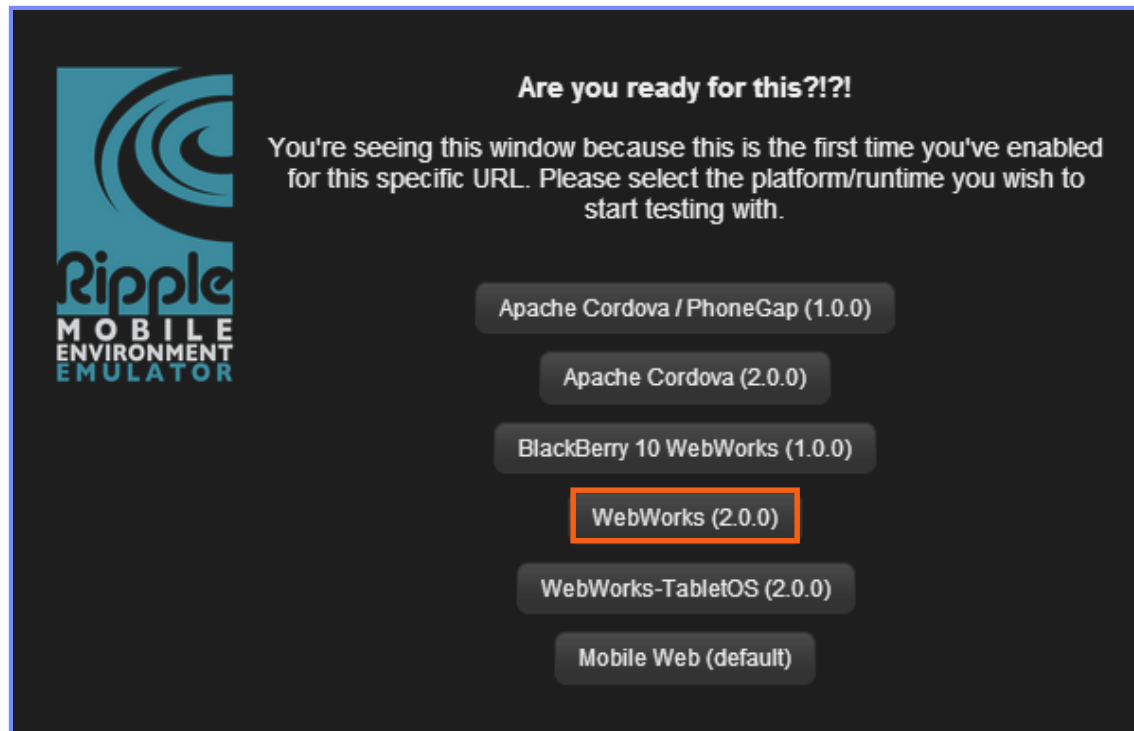
Previewing your application on the BlackBerry Ripple Emulator - continued

- The Ripple extension is available only for the Google Chrome browser. You can download it from the Chrome Web Store.
- In the top bar of your browser, click the Ripple icon  and then click **Enable** to view your app in a Ripple emulator.



Previewing your application on the BlackBerry Ripple Emulator - continued

- If you get the following screen, choose **WebWorks (2.0.0)** to proceed with previewing the application.

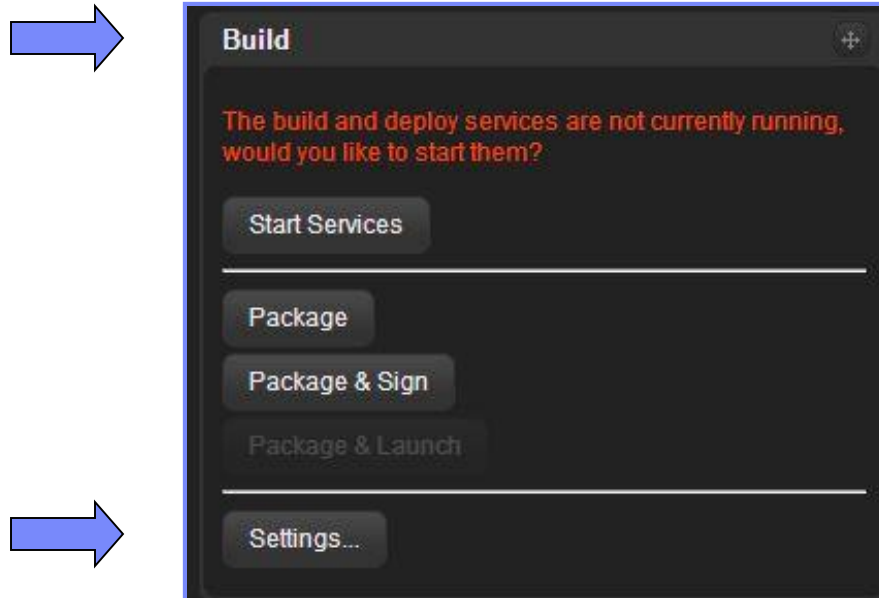


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Running your application on BlackBerry Simulator and devices

- You must have the BlackBerry WebWorks SDK installed to package an application for a simulator or a mobile device.
- In BlackBerry Ripple, on the right menu, click **Build**, and then click **Settings**.



Running your application on BlackBerry Simulator and devices - continued

- Complete the following fields:

Settings [x]

Package

Build

SDK Path c:\Program Files (x86)\Research In Motio

Project Root c:\dev\workspaces\WL42\module_03_0_

Archive Name mybbapp

Output Folder c:\mybbapp

Sign

Password []

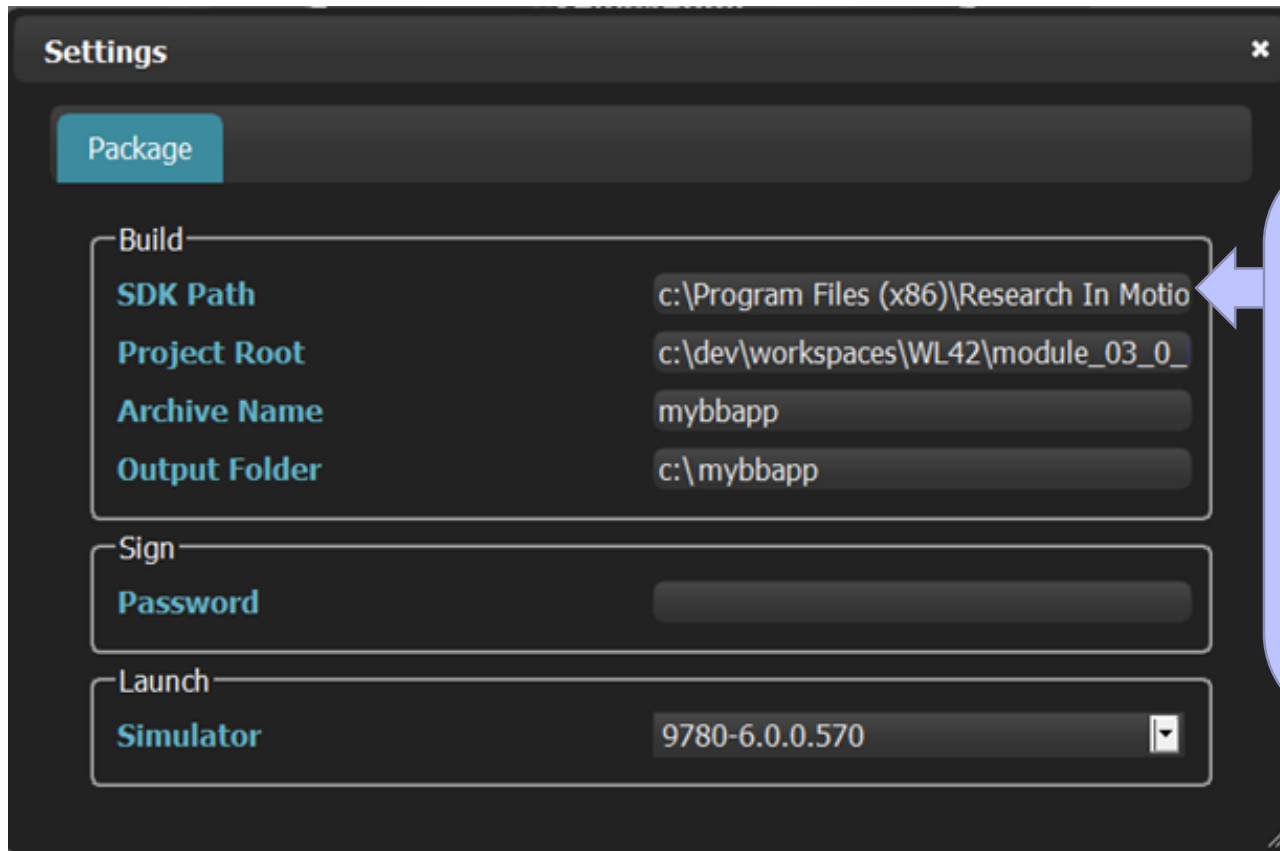
Launch

Simulator 9780-6.0.0.570 [v]

Path where BlackBerry WebWorks SDK is installed

Running your application on BlackBerry Simulator and devices - continued

- Complete the following fields:



The root folder of your project

To find the root folder, right-click the `native` folder in your Eclipse **blackberry** environment and select **Properties**.

Running your application on BlackBerry Simulator and devices - continued

- Complete the following fields:

The screenshot shows the Eclipse IDE's 'Properties for native' dialog box. The 'Path' field is highlighted with an orange box, containing the value: `/module_03_0_HelloWorklightProject/apps/HelloWorklight/blackberry/native`. The 'Type' is set to 'Folder'. The 'Location' is `C:\dev\workspaces\WL42\module_03_0_HelloWorklightProject\apps\HelloWorklight\blackberry\native`. The 'Last modified' date is 'November 10, 2011 3:33:46 PM'. The 'Attributes' section has 'Read only', 'Archive', and 'Derived' checkboxes. The 'Text file encoding' section has 'Inherited from container (UTF-8)' selected and 'Other: UTF-8' as an option. The 'Settings' sidebar is visible on the left with options like 'Package', 'Build', 'SDK Pat', 'Project', 'Archive', 'Output', 'Sign', 'Passwo', 'Launch', and 'Simulat'. A blue callout bubble on the right contains the text 'r of', 't folder,', 'native', 'Eclipse', and 'nd ties.'

Running your application on BlackBerry Simulator and devices - continued

- Complete the following fields:

The screenshot shows the 'Settings' dialog box with the 'Package' tab selected. The 'Build' section contains the following fields:

Field	Value
SDK Path	c:\Program Files (x86)\Research In Motio
Project Root	c:\dev\workspaces\WL42\module_03_0_
Archive Name	mybbapp
Output Folder	c:\mybbapp

The 'Sign' section contains a 'Password' field.

The 'Launch' section contains a 'Simulator' dropdown menu with the value '9780-6.0.0.570'.

The name for your archive, and the folder where to output the application

Specify a folder outside your project.

Running your application on BlackBerry Simulator and devices - continued

- Complete the following fields:

The screenshot shows the 'Settings' dialog box with the 'Package' tab selected. The 'Build' section contains the following fields:

- SDK Path:** c:\Program Files (x86)\Research In Motio
- Project Root:** c:\dev\workspaces\WL42\module_03_0_
- Archive Name:** mybbapp
- Output Folder:** c:\mybbapp

The 'Sign' section contains a **Password** field, which is highlighted with a blue box and an arrow pointing to it from the callout box on the right.

The 'Launch' section contains a **Simulator** dropdown menu set to 9780-6.0.0.570.

Sign your app with a BlackBerry developer certificate to run it on a BlackBerry handset. Specify your certificate password here.

Signing is NOT required to run the application in the BlackBerry Simulator.

Running your application on BlackBerry Simulator and devices - continued

- Complete the following fields:

Settings [x]

Package

Build

SDK Path c:\Program Files (x86)\Research In Motio

Project Root c:\dev\workspaces\WL42\module_03_0_

Archive Name mybbapp

Output Folder c:\mybbapp

Sign

Password []

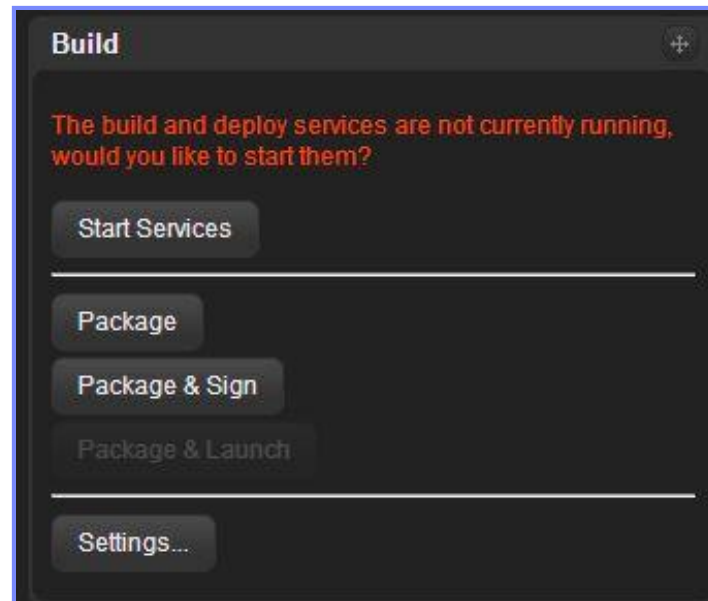
Launch

Simulator 9780-6.0.0.570 [v]

Optional: You can select a simulator that is automatically called after your application is packaged.

Running your application on BlackBerry Simulator and devices - continued

- After the package settings are defined, click **start services**, and then select one of the **Package** options.



- For more information about application packaging, see the BlackBerry Developer website.

The Result



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