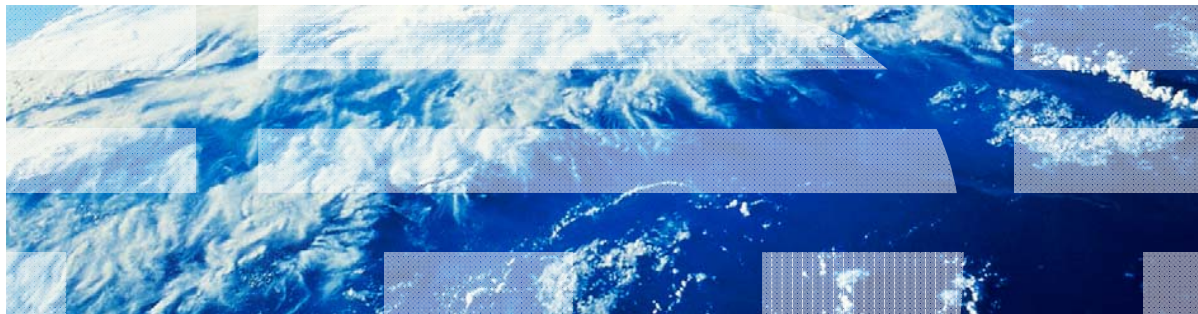


IBM Worklight V6.0.0 Getting Started

Previewing your application on BlackBerry 6 and 7



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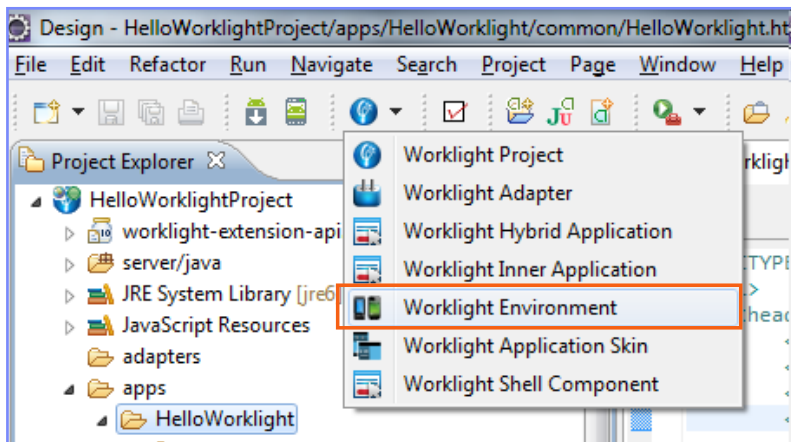
- See <http://www.ibm.com/ibm/us/en/>

Agenda

- Adding a BlackBerry environment
- Brief review of the BlackBerry environment folder structure
- Running your application on the BlackBerry Ripple Emulator
- Running your application on BlackBerry Simulator and BlackBerry handsets

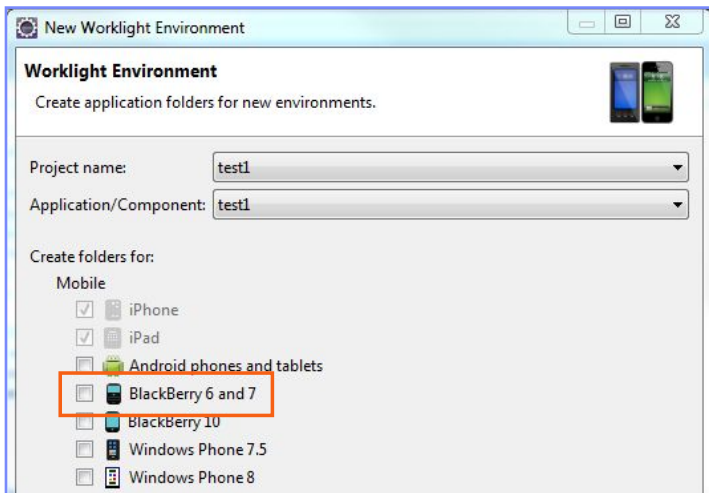
Adding a New Environment

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



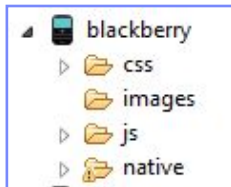
Adding a new environment

- Select the **BlackBerry 6 and 7** check box, and click **Finish**.



Adding a new environment

- A **blackberry** folder is automatically added.

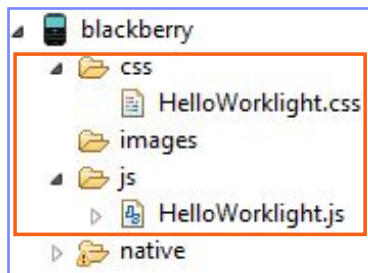


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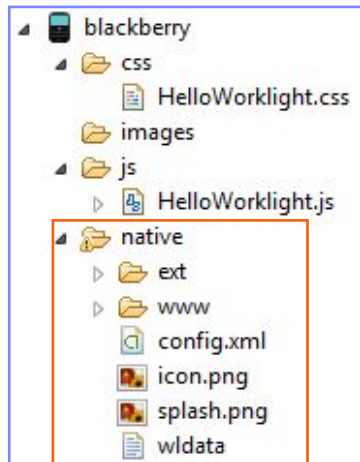
Review of the BlackBerry environment folder structure

- 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** – JavaScript that can extend, and override if required, JavaScript from the **common** folder.



Review of the BlackBerry environment folder structure

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

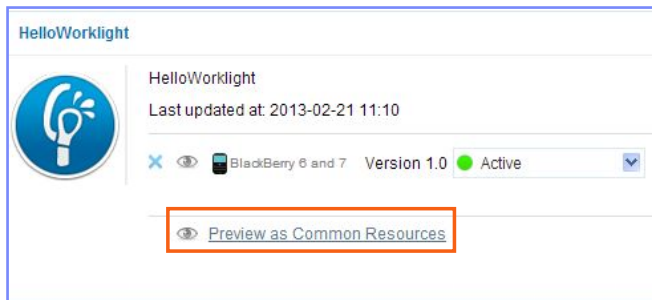


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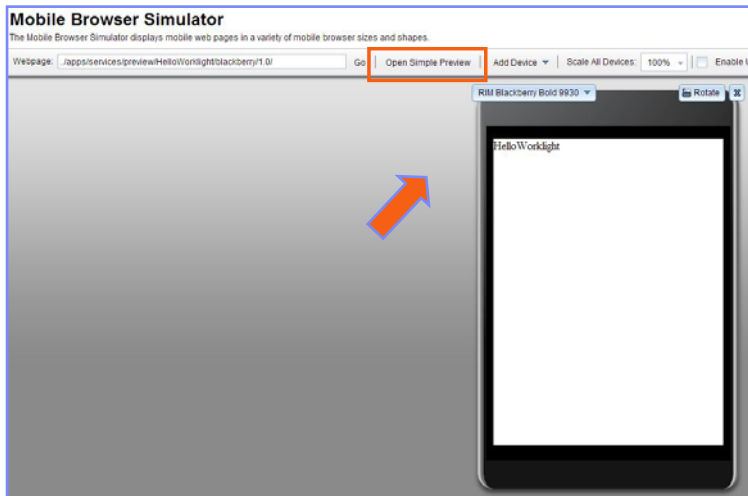
Previewing in Ripple

- Right-click your app, and select **Run As > Build all and deploy**.
- Open Worklight Console and choose **preview as BlackBerry**.




- A preview page opens.

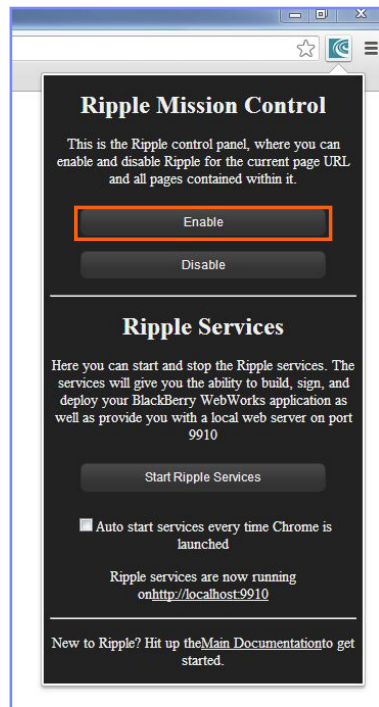
Previewing in Ripple



- Click **open as simple preview**.

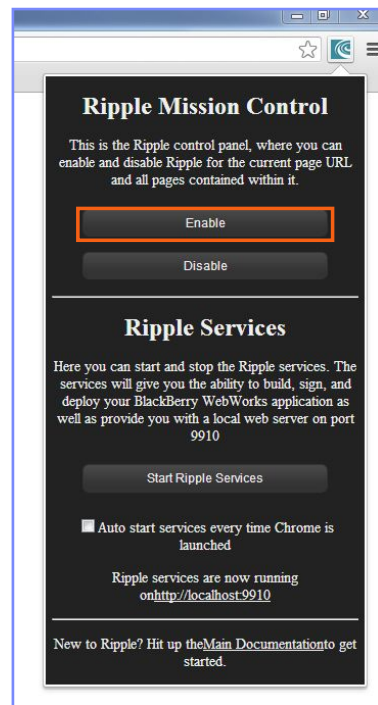
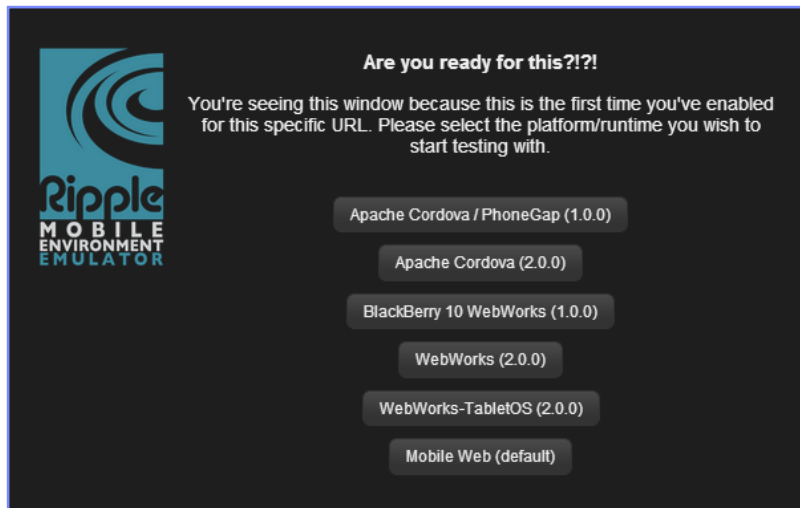
Previewing in Ripple

- 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 in Ripple

- If you get the screen below, choose **“WebWorks (2.0.0)”** in order to proceed with previewing the application.

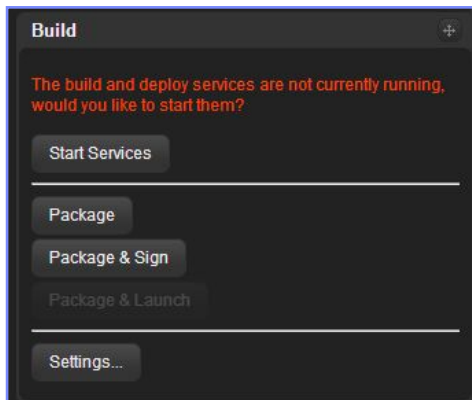


Agenda

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Packaging Your Application

- You must have 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**.



Packaging Your Application

- Complete the following fields:

Settings

Package

Build

SDK Path	c:\Program Files (x86)\Research In
Project Root	c:\dev\workspaces\WL42\module_03_0
Archive Name	mybbapp
Output Folder	c:\mybbapp

Sign

Password	
-----------------	--

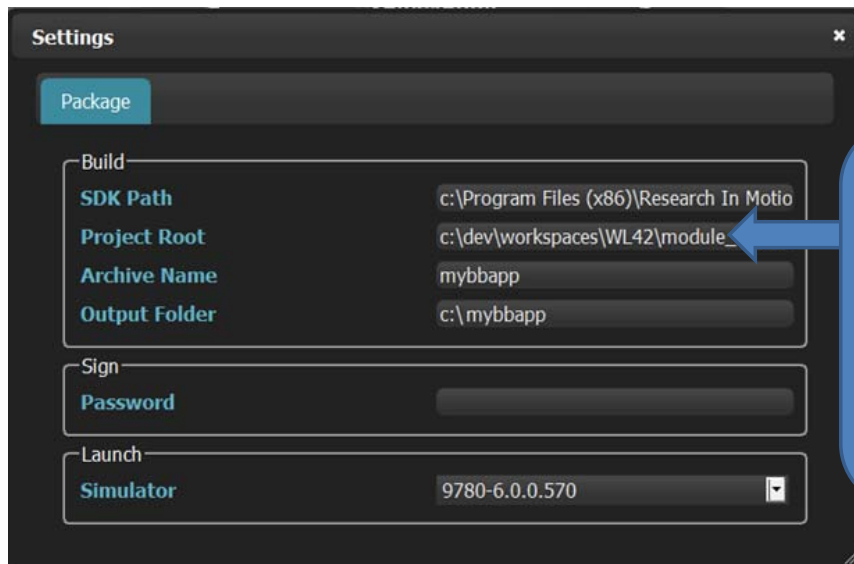
Launch

Simulator	9780-6.0.0.570
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Path where
BlackBerry
WebWorks SDK is
installed

Packaging Your Application

- 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 Motion
Project Root	c:\dev\workspaces\WL42\module
Archive Name	mybbapp
Output Folder	c:\mybbapp

The 'Sign' section contains the following field:

Field	Value
Password	

The 'Launch' section contains the following field:

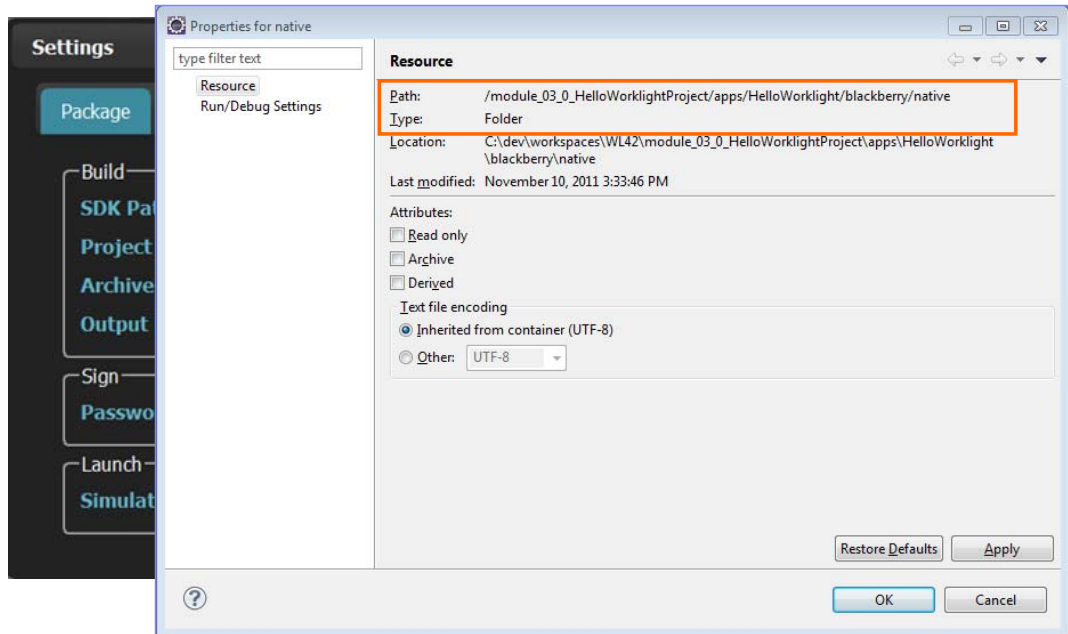
Field	Value
Simulator	9780-6.0.0.570

The root folder of your project

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

Packaging Your Application

- Complete the following fields:

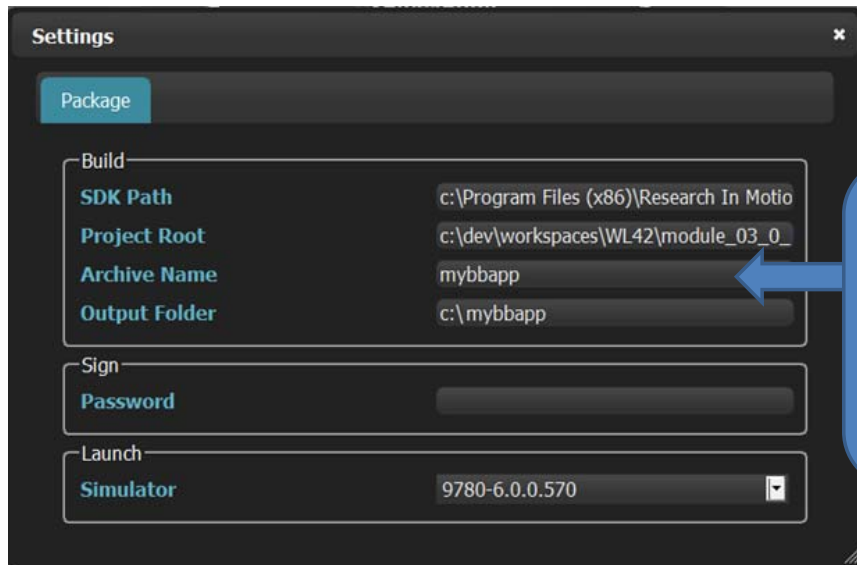


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Packaging Your Application

- Complete the following fields:



The screenshot shows a 'Settings' dialog box with a 'Package' tab selected. It contains three sections: 'Build', 'Sign', and 'Launch'. The 'Build' section has four fields: 'SDK Path' (c:\Program Files (x86)\Research In Motion), 'Project Root' (c:\dev\workspaces\WL42\module_03_0_), 'Archive Name' (mybbapp), and 'Output Folder' (c:\mybbapp). The 'Sign' section has a 'Password' field. The 'Launch' section has a 'Simulator' dropdown menu set to '9780-6.0.0.570'.

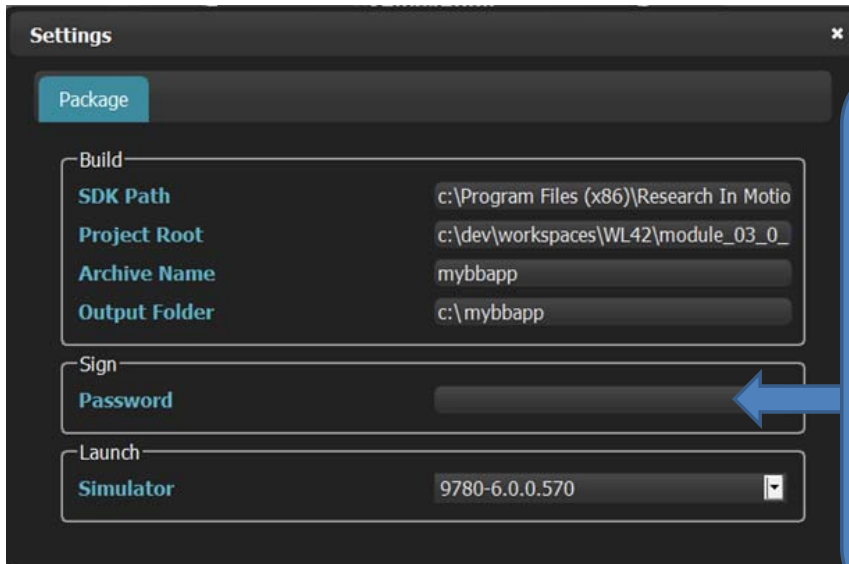
Section	Field	Value
Build	SDK Path	c:\Program Files (x86)\Research In Motion
	Project Root	c:\dev\workspaces\WL42\module_03_0_
	Archive Name	mybbapp
	Output Folder	c:\mybbapp
Sign	Password	
Launch	Simulator	9780-6.0.0.570

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

Specify a folder outside your project.

Packaging Your Application

- Complete the following fields:



The screenshot shows a 'Settings' dialog box with a 'Package' tab selected. It contains three sections: 'Build', 'Sign', and 'Launch'. The 'Build' section has four fields: 'SDK Path' (c:\Program Files (x86)\Research In Motion), 'Project Root' (c:\dev\workspaces\WL42\module_03_0_), 'Archive Name' (mybbapp), and 'Output Folder' (c:\mybbapp). The 'Sign' section has a 'Password' field, which is highlighted by a blue arrow pointing from a text box on the right. The 'Launch' section has a 'Simulator' field with the value 9780-6.0.0.570 and a dropdown arrow.

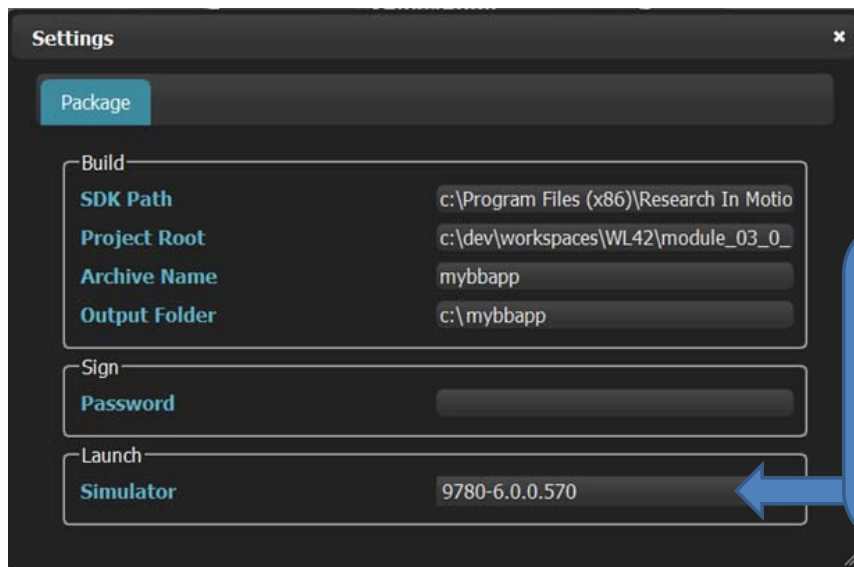
Section	Field	Value
Build	SDK Path	c:\Program Files (x86)\Research In Motion
	Project Root	c:\dev\workspaces\WL42\module_03_0_
	Archive Name	mybbapp
	Output Folder	c:\mybbapp
Sign	Password	
Launch	Simulator	9780-6.0.0.570

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.

Packaging Your Application

- Complete the following fields:



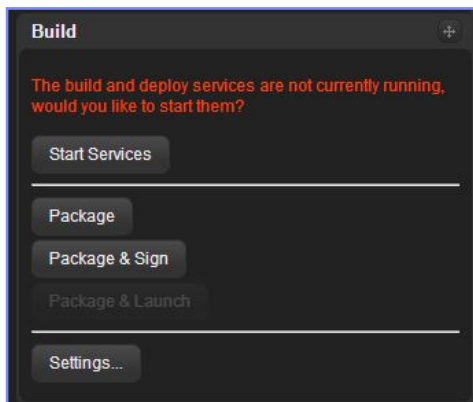
The screenshot shows a 'Settings' dialog box with a 'Package' tab selected. It contains three sections: 'Build', 'Sign', and 'Launch'. The 'Build' section has four fields: 'SDK Path' (c:\Program Files (x86)\Research In Motion), 'Project Root' (c:\dev\workspaces\WL42\module_03_0_), 'Archive Name' (mybbapp), and 'Output Folder' (c:\mybbapp). The 'Sign' section has a 'Password' field. The 'Launch' section has a 'Simulator' field with the value '9780-6.0.0.570'. A blue arrow points from a text box on the right to the 'Simulator' field.

Section	Field	Value
Build	SDK Path	c:\Program Files (x86)\Research In Motion
	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

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

Packaging Your Application

- 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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