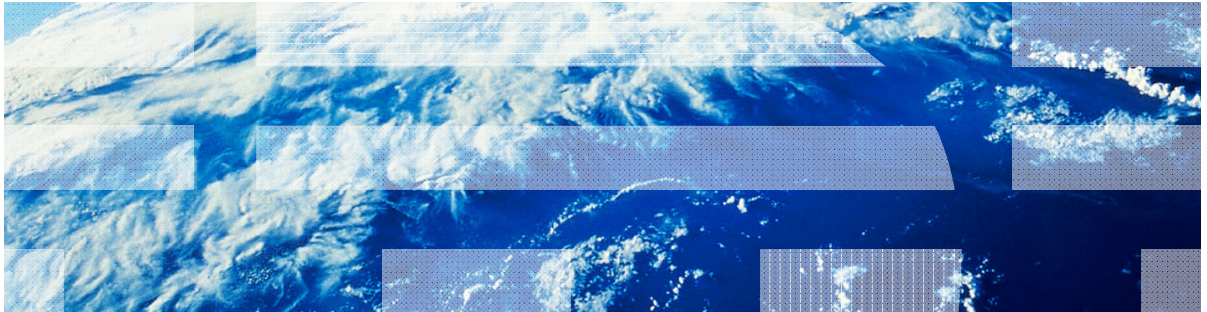


IBM Worklight V5.0.5

Getting Started

Module 3.3 – Previewing Your Application in BlackBerry Environment



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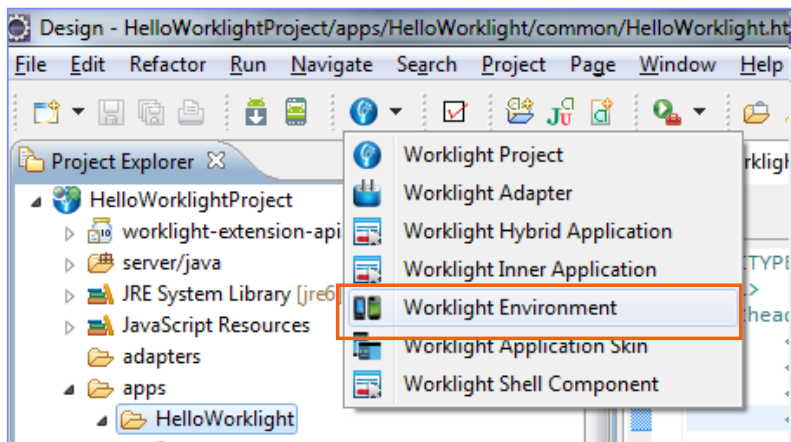
- See <http://www.ibm.com/ibm/us/en/>

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

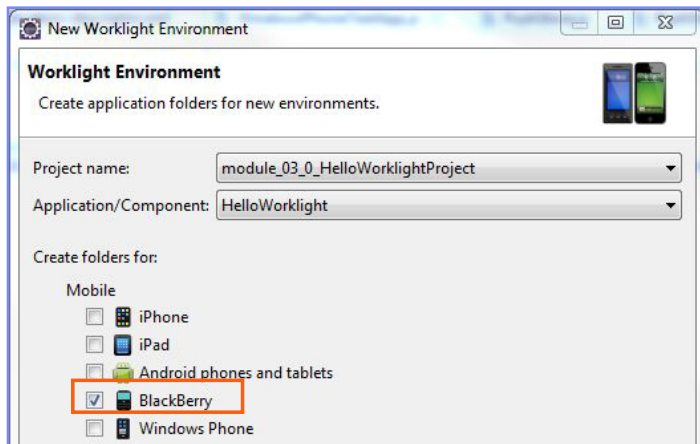
Adding a New Environment

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



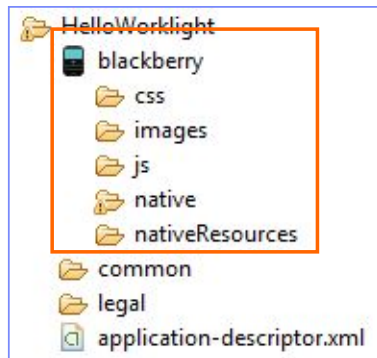
Adding a New Environment

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



Adding a New Environment

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

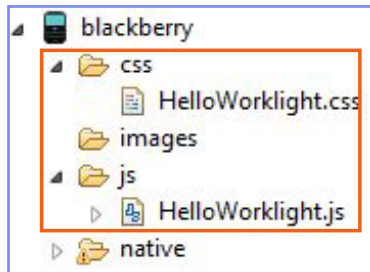


Agenda

- Adding a BlackBerry environment
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- Running your application on the BlackBerry Ripple Emulator
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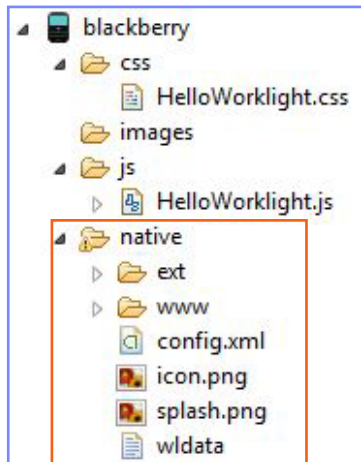
Review of the BlackBerry Environment Folder Structure

- 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, ready to be packaged, BlackBerry app code.
 - The css, html, and js files in the **native** folder are regenerated every time the application is built, so any changes made to these files are lost.
- The **nativeResources** folder contains resources that are used by the native code.

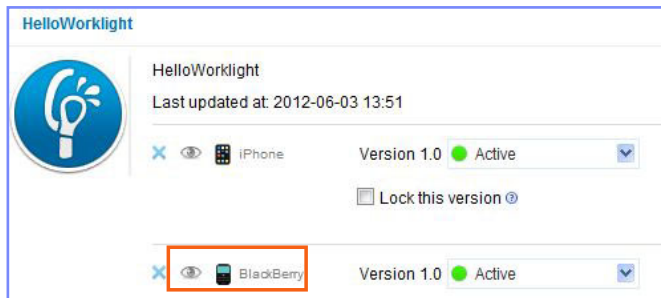


Agenda

- 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

Previewing in Ripple

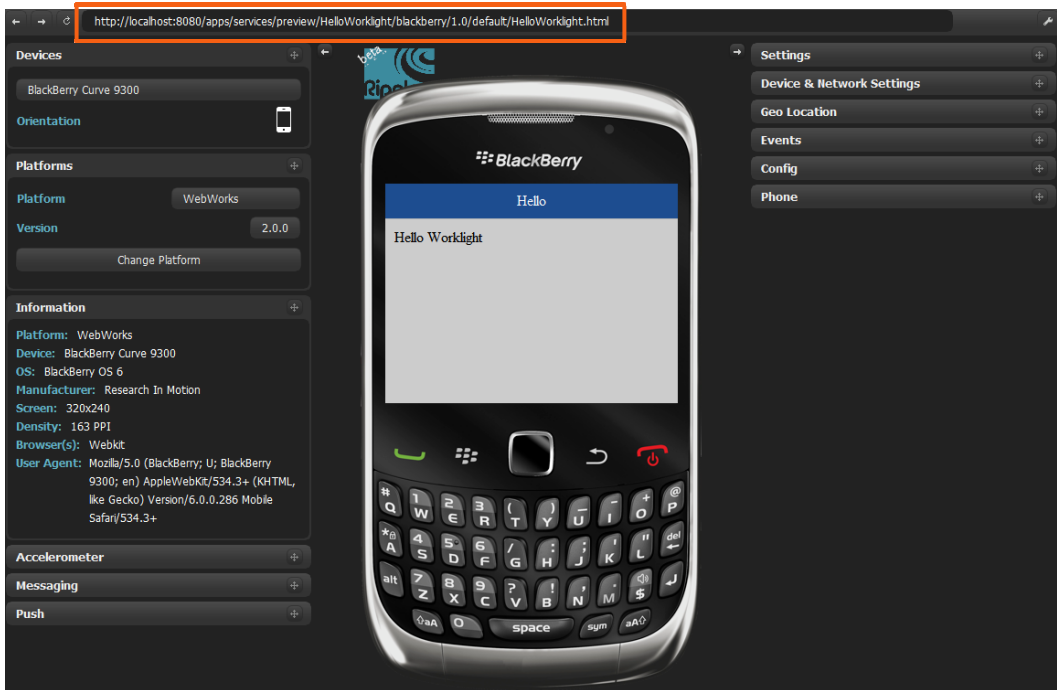
- Right-click your app, and select **Run As > Build all and deploy** to build it.
- Open Worklight Console and choose **preview as BlackBerry**.



- A preview page automatically opens.
- Copy the preview page URL and paste it into the Ripple address bar.

localhost:8080/apps/services/preview/HelloWorklight/blackberry/1.0/default/HelloWorklight.html

Previewing in Ripple

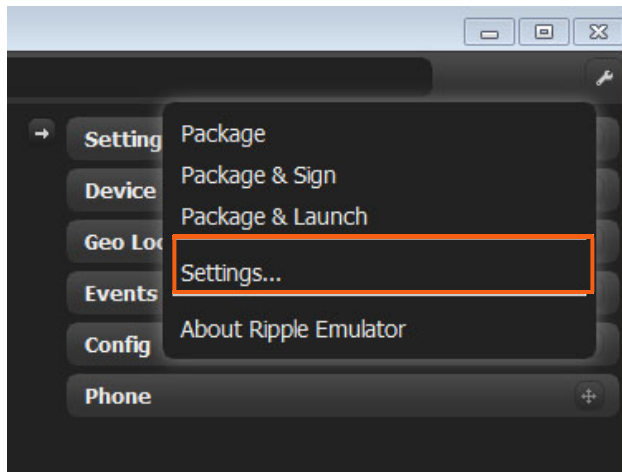


Agenda

- Adding a BlackBerry environment
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- Running your application on BlackBerry Simulator and BlackBerry handsets

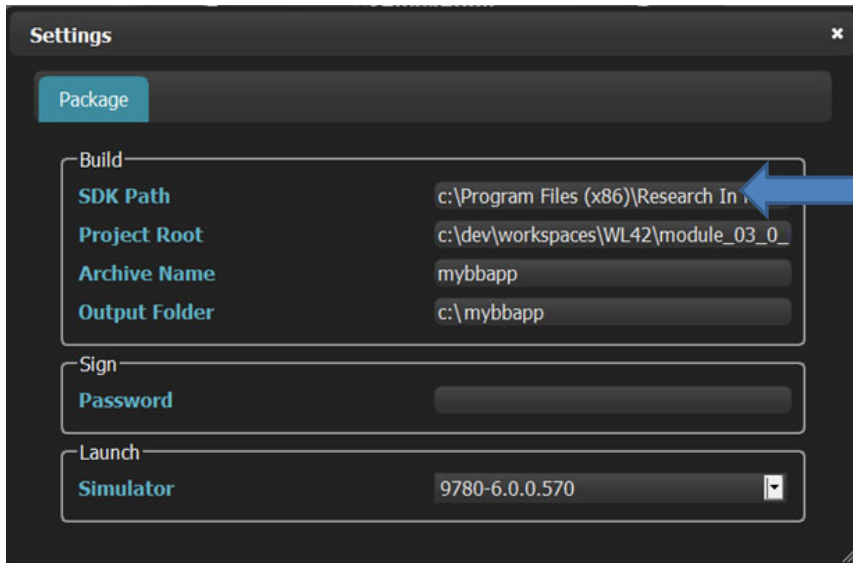
Packaging Your Application

- As described in module 2.3, you must have BlackBerry WebWorks SDK installed to package an application for a simulator or a mobile device.
- In BlackBerry Ripple, click **wrench**, and then click **Settings**.



Packaging Your Application

- Complete the following values:



Settings [x]

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 [v]
------------------	--------------------

Path where
BlackBerry
WebWorks SDK is
installed

Packaging Your Application

- Complete the following values:

Settings

Package

Build

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

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

Archive Name mybbapp

Output Folder c:\mybbapp

Sign

Password

Launch

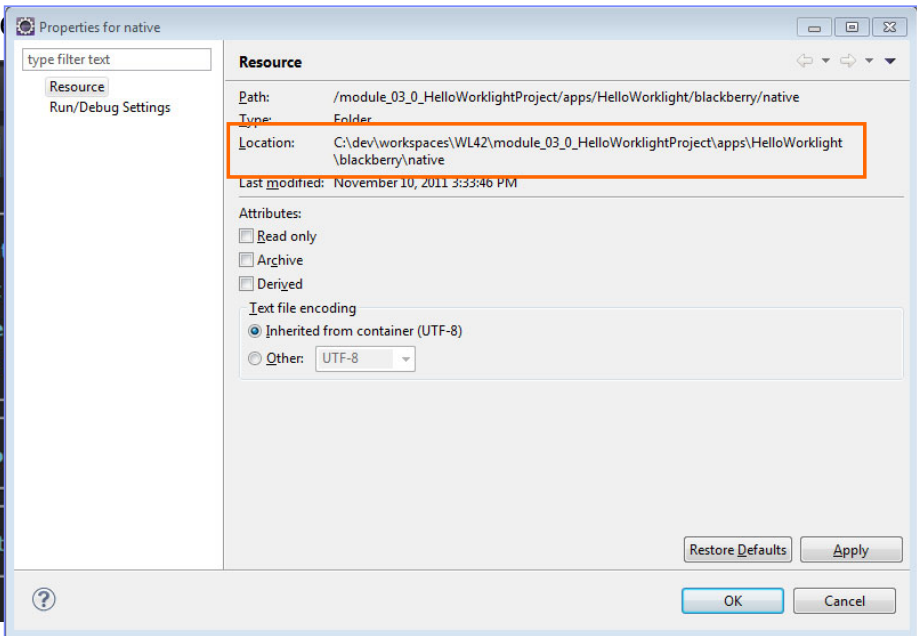
Simulator 9780-6.0.0.570

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



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Packaging Your Application

- Complete the following values:

The screenshot shows a 'Settings' dialog box with a 'Package' tab selected. It is divided into three sections: 'Build', 'Sign', and 'Launch'. The 'Build' section contains 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 values:

Settings

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: [Redacted]

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 values:

Settings

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: [Redacted]

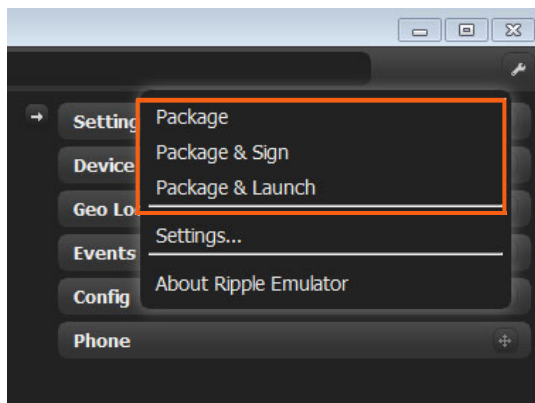
Launch

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 **wrench** again, 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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