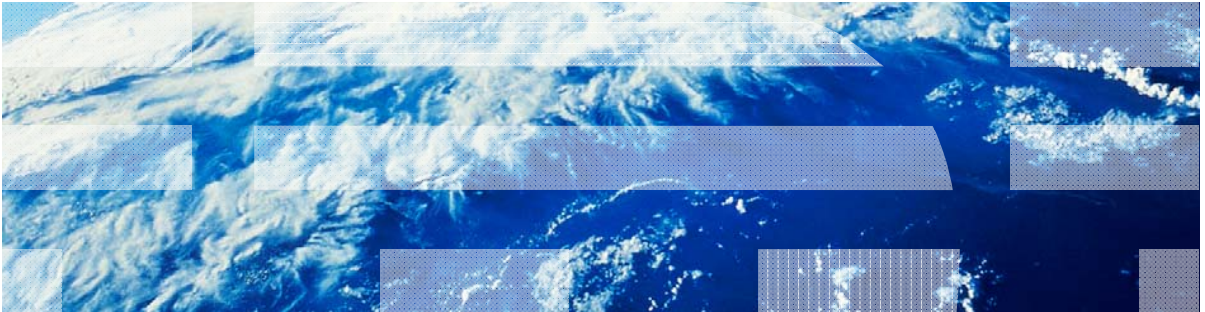


IBM Worklight V6.0.0 Getting Started

Previewing your application on BlackBerry 6 and 7



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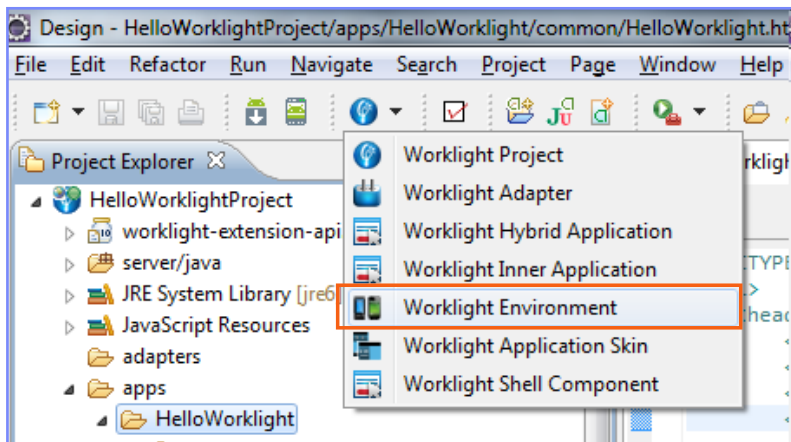
- See <http://www.ibm.com/ibm/us/en/>

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

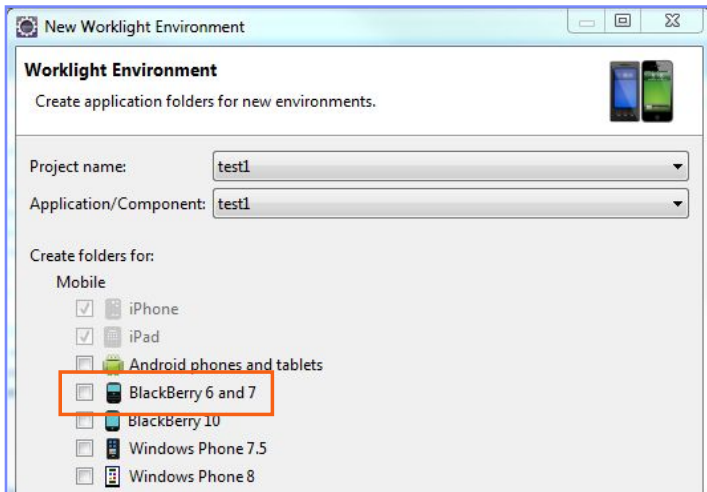
Adding a New Environment

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



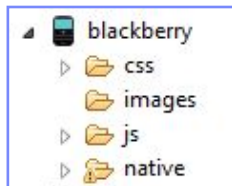
Adding a new environment

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



Adding a new environment

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

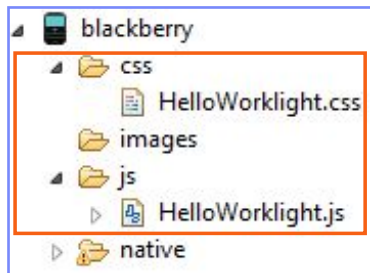


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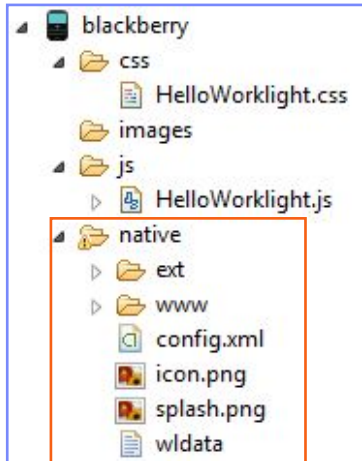
Review of the BlackBerry environment folder structure

- 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.

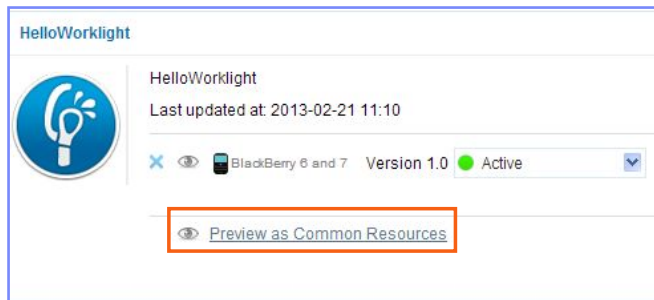


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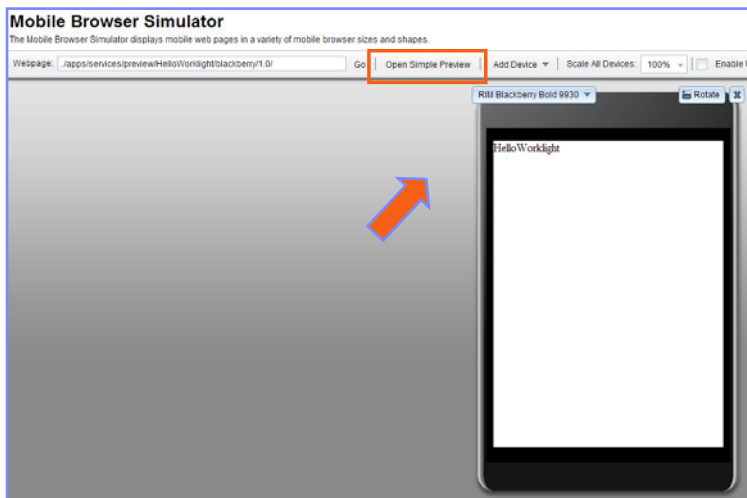
Previewing in Ripple

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




- A preview page opens.

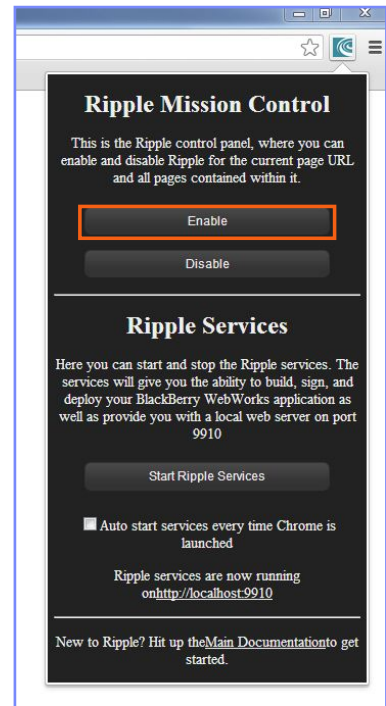
Previewing in Ripple



- Click **open as simple preview**.

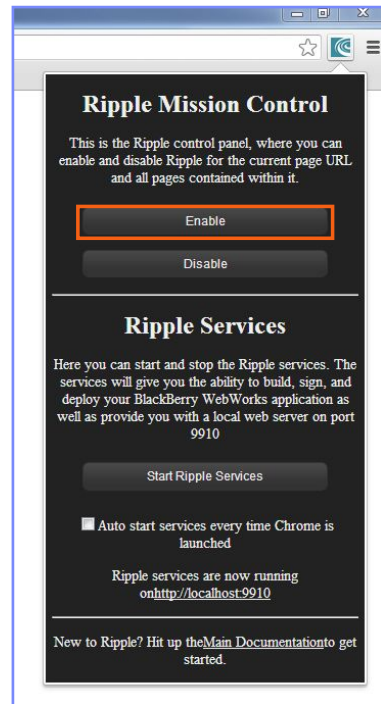
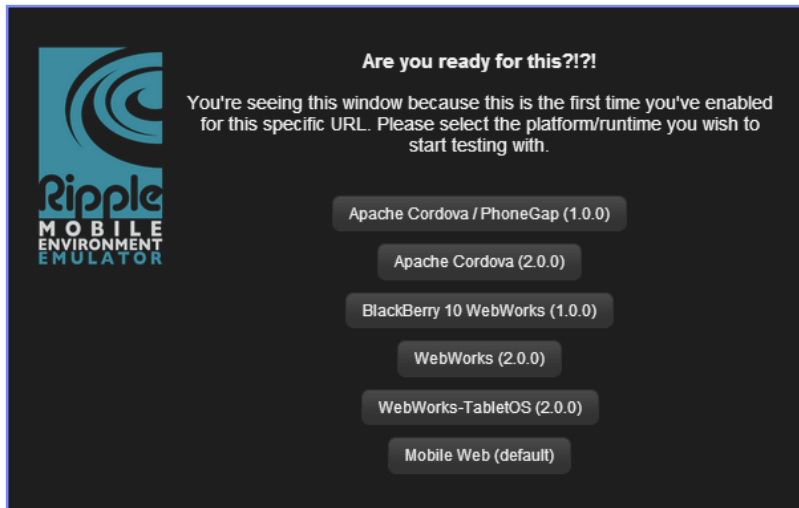
Previewing in Ripple

- 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.

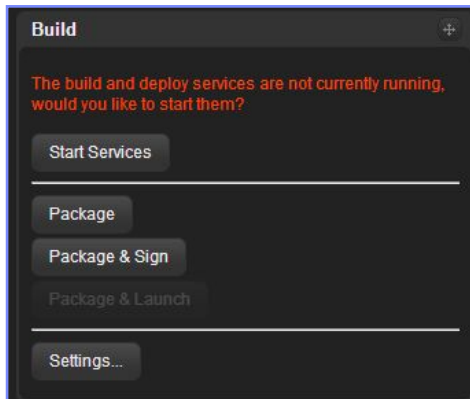


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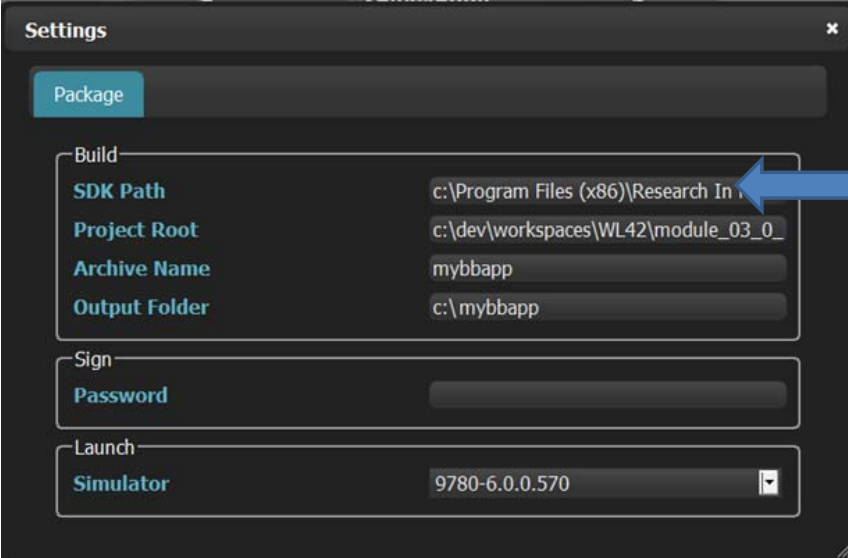
Packaging Your Application

- 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 [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 fields:

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 the following fields:

The screenshot shows the 'Properties for native' dialog box with the 'Resource' tab selected. The 'Path' field is highlighted with an orange box. The 'Type' field is set to 'Folder'. The 'Location' field shows the full path to the native resources. The 'Last modified' field shows the date and time. The 'Attributes' section has three checkboxes: 'Read only', 'Archive', and 'Derived', all of which are unchecked. The 'Text file encoding' section has two radio buttons: 'Inherited from container (UTF-8)' (selected) and 'Other: UTF-8'. The 'Other: UTF-8' radio button has a dropdown menu showing 'UTF-8'. The dialog box has 'Restore Defaults' and 'Apply' buttons at the bottom right, and 'OK' and 'Cancel' buttons at the bottom center. A blue callout bubble on the right side of the dialog box contains the text: 'er of ot lick the in your berry and rties.'

Packaging Your Application

- Complete the following fields:

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 fields:

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 fields:

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

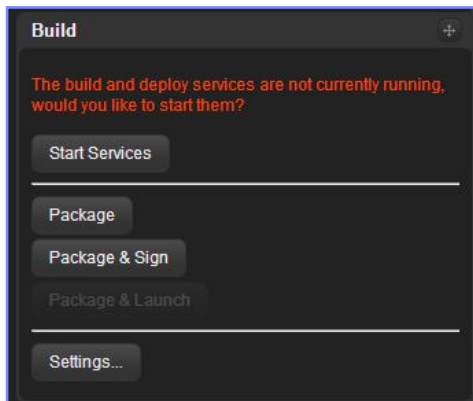
Launch

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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