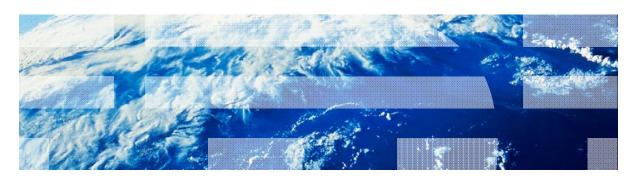


IBM Worklight V6.0.0 Getting Started

Previewing your application on BlackBerry 10





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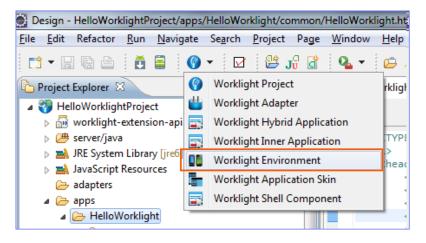
Agenda

- Adding a BlackBerry 10 environment
- Brief review of the BlackBerry 10 environment folder structure
- Running your application on the BlackBerry Ripple Emulator
- Packaging your application
- Packaging your application and running it on BlackBerry Simulator / handsets



Adding a new environment

- Before creating a BlackBerry 10 application, you must define a WEBWORKS_HOME environment variable. The value of this variable must be the path to your WebWorks SDK.
- Click the IBM Worklight® icon, and select Worklight Environment to add an environment to your application.





Adding a new environment

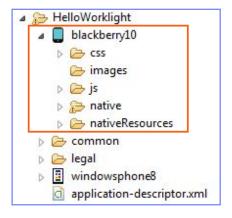
Select the BlackBerry 10 check box, and then click Finish.





Adding a new environment

A blackberry10 folder is automatically added.





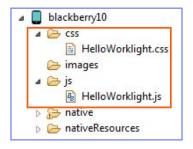
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Review of the BlackBerry 10 environment folder structure

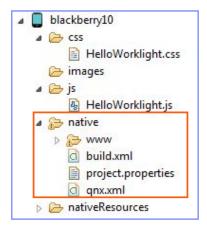
- The BlackBerry 10 environment includes the following folders:
 - css The properties that are specified here override the CSS files from the common folder.
 - images BlackBerry-specific images can be added here. If an image with the same file name exists in the common folder, it is overwritten in the BlackBerry application.
 - js JavaScript[™] that can extend and, if required, override JavaScript from the common folder.





Review of the BlackBerry 10 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.
- The nativeResources folder contains resources that are used by the native code.



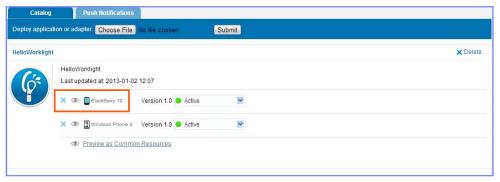


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- The Ripple extension is available only for the Google Chrome browser. You can download it from the Chrome Web Store.
- Right-click your app and select Run As > Build all and deploy to build it.
- Open Worklight Console and choose preview as BlackBerry 10.



A preview page opens.



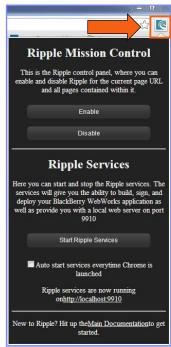
Click Open Simple Preview at the top.





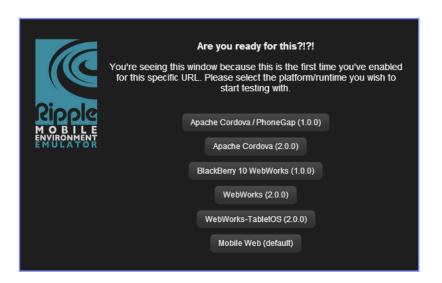
 Click the ripple icon on the right top bar of your browser, and click **Enable** to view the selected application in Ripple.

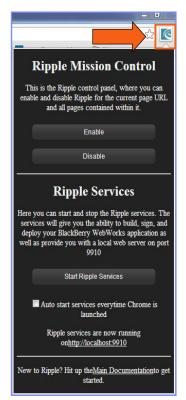






If you get the screen below, choose
 "BlackBerry 10 WebWorks (1.0.0)" in order to proceed with previewing the application.







Agenda

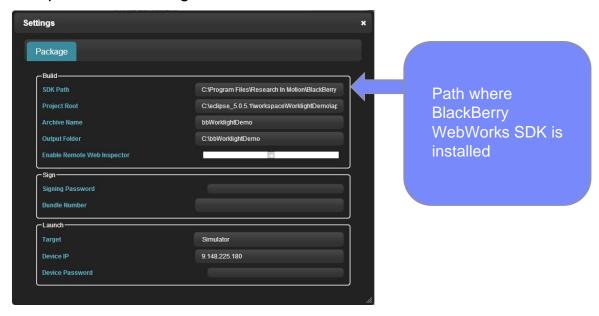
- Adding a BlackBerry environment
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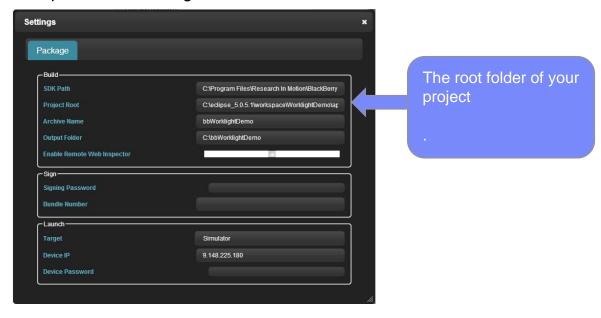
- You must have BlackBerry WebWorks SDK installed to package an application for a simulator or mobile device.
- In BlackBerry Ripple, at the bottom of the right menu, select **Settings**.
 - A window opens.



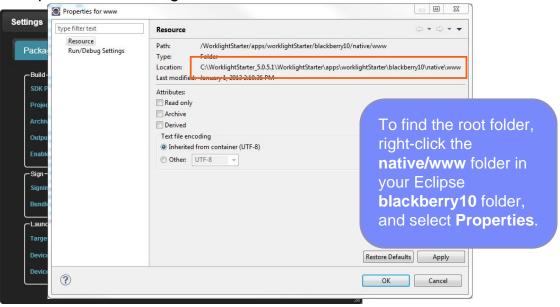










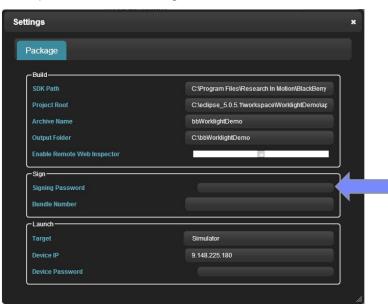








Complete the following fields:

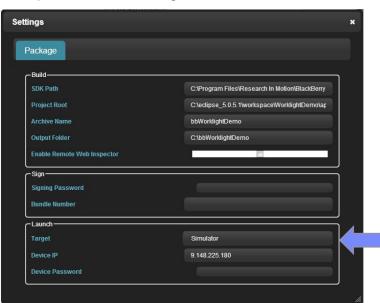


Sign you app with a BlackBerry 10 developer certificate to run it on a BlackBerry 10 handset. Specify your certificate password here.

Signing is NOT required to run the application in the BlackBerry 10 Simulator.



Complete the following fields:



Select your target: device or simulator.

Then, enter the device IP and password.

The Device IP address can be found by using either the BlackBerry Desktop Manager, or in the device settings.



- Before you package the application, click Start Services.
- Package your application.
- At the end of the packaging process, you receive indication about the process success or failure.
- For more information about application packaging, see the BlackBerry Developer website.





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Run application on a BlackBerry Simulator / handsets

- To load and run your application on a simulator or device, open a command prompt and navigate to the dependencies\tools\bin folder under your BlackBerry 10 SDK folder.
- Use the following command to load and run your application:
 - blackberry-deploy -installApp -password
 <simulator password> -device <simulator
 IP address> -package <BAR file path>
- Use the following command to remove your application:
 - blackberry-deploy -uninstallApp -device
 <IP_address> -package <bar file name> password <device password>





Run application with Cordova Ant tool

- Worklight BlackBerry 10 application supports Cordova Ant tool to package and run your application.
- After you build your Worklight application, open the project.properties file under the \native directory and edit it as follows:
 - To run on a device:
 - qnx.device.ip = <Device IP>
 - qnx.device.password = <Device password>
 - qnx.device.pin = <Device PIN number>
 - qnx.sigtool.password = <BlackBerry 10 Code Signing Password>
 - To run on a simulator:
 - qnx.sim.ip = <simulator IP>
 - qnx.sim.password = <simulator password>
- To get a BlackBerry 10 Code Signing keys, see https://www.blackberry.com/SignedKeys/codesigning.html



Run application with Cordova Ant tool

- To run an application on a device or a simulator, use the following Cordova ant script:
 - ant qnx debug-device
 - ant qnx load-device
 - ant qnx debug-simulator
 - ant qnx load-simulator



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