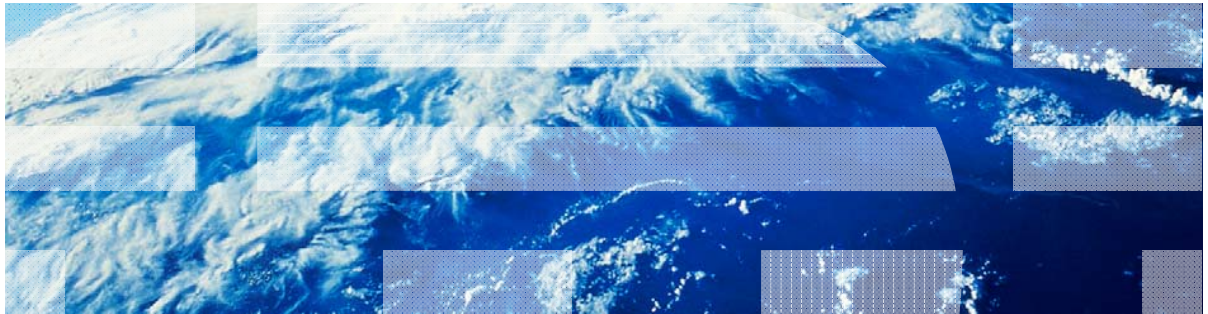


# ***IBM Worklight V6.0.0 Getting Started***

## Setting up your BlackBerry 10 development environment



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# Agenda

- BlackBerry WebWorks development overview
- Installing BlackBerry 10 WebWorks development tools
  - Ripple
  - SDK
  - Simulator
- Getting started with WebWorks
  - Design and develop apps
  - Publish your application

## ***BlackBerry WebWorks Development Overview***

- BlackBerry WebWorks application development lifecycle consists of the following steps:
  - Developing the app web code by using the IDE of your choice
  - Previewing and debugging the app in the BlackBerry Ripple tool
  - Using WebWorks SDK to package the app web code
  - Running the application on a BlackBerry SmartPhone / Tablet Simulator or handset device
  - Signing and deploying the application to BlackBerry App World

## ***BlackBerry WebWorks Development Overview***

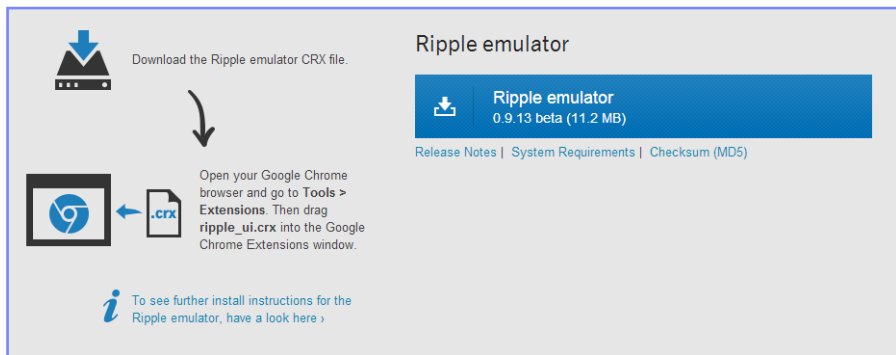
- BlackBerry WebWorks SDK requires a 32-bit Java™ Development Kit (JDK), version 1.6 or later, to be installed on the development host.
- To create a BlackBerry 10 application, first define the **WEBWORKS\_HOME** environment variable.
  - The value of this variable must be the path to your WebWorks SDK.

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## Installing BlackBerry WebWorks Development Tools

- **Ripple** emulator is a Google Chrome browser extension for previewing your WebWorks application before packaging.
- See <https://developer.blackberry.com/html5/download/> to download and install it.



The screenshot shows the download and installation process for the Ripple emulator. It includes a download icon, a link to the CRX file, a diagram showing the CRX file being dragged into the Chrome Extensions window, and a link to further instructions.

Download the Ripple emulator CRX file.

Ripple emulator

Ripple emulator  
0.9.13 beta (11.2 MB)

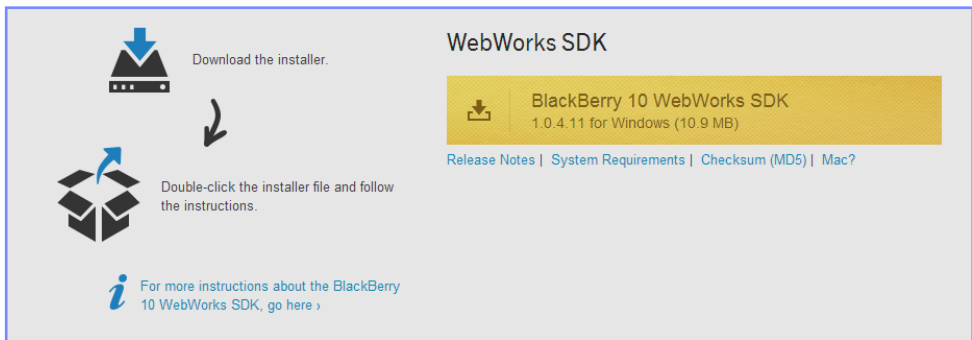
[Release Notes](#) | [System Requirements](#) | [Checksum \(MD5\)](#)

Open your Google Chrome browser and go to **Tools > Extensions**. Then drag **ripple\_ui.crx** into the Google Chrome Extensions window.

To see further install instructions for the Ripple emulator, [have a look here](#)

## Installing BlackBerry WebWorks Development Tools

- Use **BlackBerry Smartphone SDK** to package applications.
- See <https://developer.blackberry.com/html5/download/> to download and install it.



The screenshot shows the BlackBerry 10 WebWorks SDK download page. On the left, there is a diagram with two steps: 1. A download icon (a blue arrow pointing down to a document) with the text "Download the installer." 2. A double-click icon (a blue arrow pointing up to an open box) with the text "Double-click the installer file and follow the instructions." Below this diagram is an information icon (a blue 'i') and the text "For more instructions about the BlackBerry 10 WebWorks SDK, go here >". On the right, the title "WebWorks SDK" is displayed above a yellow box containing a download icon and the text "BlackBerry 10 WebWorks SDK 1.0.4.11 for Windows (10.9 MB)". Below the yellow box are links for "Release Notes", "System Requirements", "Checksum (MD5)", and "Mac?".

Download the installer.

Double-click the installer file and follow the instructions.

For more instructions about the BlackBerry 10 WebWorks SDK, go here >

WebWorks SDK

BlackBerry 10 WebWorks SDK  
1.0.4.11 for Windows (10.9 MB)

[Release Notes](#) | [System Requirements](#) | [Checksum \(MD5\)](#) | [Mac?](#)



## Installing BlackBerry WebWorks Development Tools

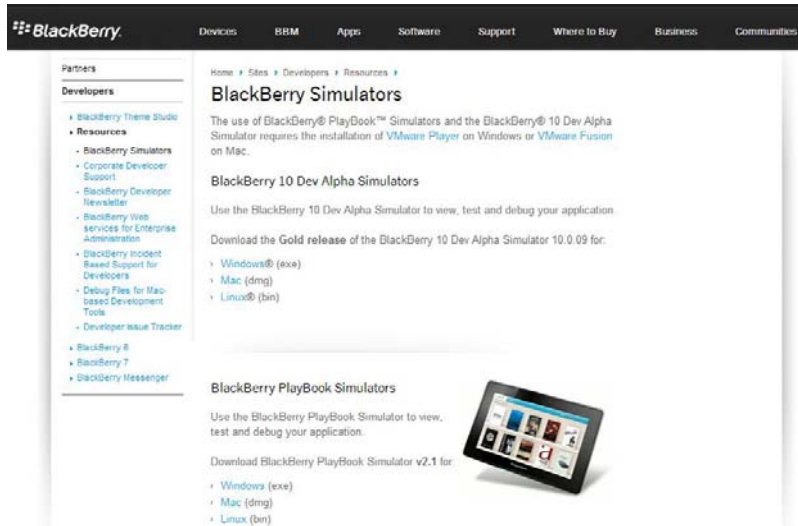
- Use **BlackBerry Simulator** to preview and debug your application in a simulated device environment.
- Download the simulator that is relevant to your development environment. For the BlackBerry 10 environment, download the BlackBerry 10 Dev Alpha simulator.



# Installing BlackBerry WebWorks Development Tools

For other Blackberry simulators, see

<http://us.blackberry.com/sites/developers/resources/simulators.html>



The screenshot shows the BlackBerry Developers website. The top navigation bar includes links for Devices, BBM, Apps, Software, Support, Where to Buy, Business, and Communities. The left sidebar contains a 'Partners' section and a 'Developers' section with links to BlackBerry Theme Studio, Resources, BlackBerry Simulators, Corporate Developer Support, BlackBerry Developer Newsletter, BlackBerry Web services for Enterprise Administration, BlackBerry Incident Based Support for Developers, Debug Files for Mac-based Development Tools, Developer Issue Tracker, BlackBerry 8, BlackBerry 7, and BlackBerry Messenger.

**BlackBerry Simulators**

The use of BlackBerry® PlayBook™ Simulators and the BlackBerry® 10 Dev Alpha Simulator requires the installation of **VMware Player** on Windows or **VMware Fusion** on Mac.

**BlackBerry 10 Dev Alpha Simulators**

Use the BlackBerry 10 Dev Alpha Simulator to view, test and debug your application.

Download the **Gold release** of the BlackBerry 10 Dev Alpha Simulator 10.0.09 for:

- Windows® (exe)
- Mac (dmg)
- Linux® (bin)

**BlackBerry PlayBook Simulators**

Use the BlackBerry PlayBook Simulator to view, test and debug your application.

Download BlackBerry PlayBook Simulator v2.1 for:

- Windows (exe)
- Mac (dmg)
- Linux (bin)

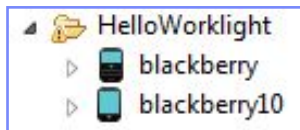
An image of a BlackBerry PlayBook tablet is shown on the right side of the page.

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## Getting Started With WebWorks

- Worklight® Studio generates a ready-to-use BlackBerry WebWorks project.
- Worklight Studio includes 2 separate environments for Blackberry:
  - BlackBerry 6 and 7
  - BlackBerry 10



- For more information about the BlackBerry WebWorks development process, see the Getting Started section of BlackBerry documentation at [https://developer.blackberry.com/html5/documentation/what\\_is\\_a\\_webworks\\_app\\_1845471\\_11.html](https://developer.blackberry.com/html5/documentation/what_is_a_webworks_app_1845471_11.html)

## ***Publishing Your Applications***

- After your application is developed, you can publish it in BlackBerry App World.
- Prior to publishing your application in BlackBerry App World, you must sign and package it by using BlackBerry SmartPhone SDK.
- BlackBerry provides samples and tutorials that you can use as a starting point in WebWorks development
  - See <https://developer.blackberry.com/html5/sampleapps/>
- You can find more information on the BlackBerry Developer website at <https://developer.blackberry.com/html5/>

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