



Feature and Technical Overview

Ecommerce Content Optimization Engine

Version: 1.0.0

Contents

1 Overview	3
Getting started.....	3
2 Features	5
Content optimization and conversion rules.....	5
Navigation.....	5
Shopping and checkout.....	5
Search.....	6
BlackBerry Wallet integration.....	6
Secure data transfer.....	7
Session timeout.....	7
Original web site availability.....	7
IT policy rules.....	7
3 Architecture: Ecommerce content optimization engine	9
4 Process flows	11
Process flow: Installing the client for the ecommerce content optimization engine.....	11
Process flow: Visiting an optimized web site using the client for the ecommerce content optimization engine.....	11
Process flow: Updating the list of domains on the client for the ecommerce content optimization engine.....	12
Process flow: Sending data over an HTTPS connection.....	12
Process flow: Populating a web form with data from the BlackBerry Wallet	13
5 Requirements	15
Requirements for BlackBerry device users.....	15
Requirements for content providers.....	15
Content support.....	15
6 Glossary	17
7 Legal notice	19

Overview

1

Content providers, including online retailers, can use the ecommerce content optimization engine to provide web content that is optimized for viewing on BlackBerry® devices, without changing the content or design of their original web sites. Research In Motion determines if a web site is eligible to use the ecommerce content optimization engine. Optimized content typically offers an enhanced user experience with integrated web site navigation and automated data entry. The ecommerce content optimization engine is designed to exclude nonessential content. BlackBerry device users can benefit from faster download times and reduced data transfer costs by viewing web sites that are optimized using the ecommerce content optimization engine, as compared to viewing web sites that are not optimized.

The ecommerce content optimization engine uses a distributed architecture, which includes the server for the ecommerce content optimization engine and the client for the ecommerce content optimization engine on the BlackBerry device.

The server for the ecommerce content optimization engine is maintained by Research In Motion. The server receives content from the original web sites, optimizes the content according to conversion rules that have been specified for each web site, and sends the optimized content to the client for the ecommerce content optimization engine. The client is an extension of the BlackBerry® Browser, which displays the optimized content. The client provides the capabilities of a BlackBerry device application in a web-based interface.

Getting started

The ecommerce content optimization engine is managed and maintained by Research In Motion. The first step for content providers, including online retailers, is to contact Research In Motion to find out more about using the ecommerce content optimization engine to provide web content that is optimized for viewing on BlackBerry® devices.

Related topics

[Requirements for content providers, 15](#)

[Content support, 15](#)

Features

2

Content optimization and conversion rules

The content and functionality on an optimized web site is based on the content and functionality that is available on the original web site. The ecommerce content optimization engine is designed to optimize a web site by excluding nonessential content.

Web site administrators, including administrators for online retailers, must work with Research In Motion to create a conversion rules file that contains the rules to determine what content is displayed, how it is displayed, and what content is excluded when optimizing each web site. For example, an online retailer might decide to include the featured items on the home page, and exclude interactive media that is designed for browsing on a computer, or exclude large footers that appear on each page.

The conversion rules files reside on the server for the ecommerce content optimization engine. The process of updating a conversion rules file is transparent to the user.

Navigation

The navigation on an optimized web site is integrated with the BlackBerry® device menu. Integrated navigation reduces the amount of content that is displayed on the device screen, and helps to provide users with a consistent experience. Instead of providing a list of links at the top of each web page, such as "Books" and "Music," the links are listed when a user presses the **Menu** key on the BlackBerry device. The BlackBerry device displays one level of a web site's hierarchy on the menu, and dynamically changes the menu based on the current web page. For example, after a user selects "Books," the BlackBerry device menu changes to the categories within "Books," such as "Fiction" and "Nonfiction."

Other navigation items, including but not limited to the following items, can be added to the BlackBerry device menu:

- Home
- Login
- Search
- View Cart

The conversion rules file can include rules for breadcrumb navigation to appear on the BlackBerry device screen, for example "Books > Nonfiction > Geography."

Shopping and checkout

The ecommerce content optimization engine can support online shopping, including support for a web site's checkout process. Shopping and checkout functionality on the optimized web site is based on the functionality on the original web site, and on the conversion rules file for the web site.

Shopping and checkout functionality, including but not limited to the following items, can be supported:

- Log in to account
- Add items
- Remove items
- Update items
- Review cart
- Create an account
- Quick checkout (if an account is not required to make a purchase)
- Checkout using an existing account (if the user has an account with the online retailer's web site)
- Use credit cards, coupons, and gift cards
- Submit payment
- Continue shopping
- Other functionality, based on the functions available on the original web site

Search

If a web site provides a search tool, the search tool can be included in the optimized web site, and is accessible from the BlackBerry® device menu.

A search that is performed on the optimized web site is designed to return the same items, in the same format, as the same search performed on the original web site. The items on the search results page are displayed in the same order. The same number of search results pages is returned. Each search results page starts and ends with the same items. More information is available for items on the search results page if the original website provides more information.

The items on the optimized web site's search results page can exclude nonessential content, such as similar or related items. The conversion rules file specifies the content to exclude from the search results pages.

BlackBerry Wallet integration

The BlackBerry® Wallet is a BlackBerry device application that is designed to securely store user information, such as credit card details, billing and shipping addresses, and login credentials. Information in the BlackBerry Wallet is retrieved, with user permission, by web sites and other BlackBerry device applications to populate web forms, and to automatically complete data entry tasks.

The client for the ecommerce content optimization engine and the conversion rules file for each web site provide the integration requirements to access the data in the BlackBerry Wallet. Web site administrators do not need to change their original web site. The BlackBerry Wallet is designed to populate fields on an optimized web page with the appropriate user data after the user types the BlackBerry Wallet password.

For more information about the BlackBerry Wallet, see the *BlackBerry Wallet Feature and Technical Overview*.

Secure data transfer

When a BlackBerry® device user requests a web page using an HTTPS connection, the client for the ecommerce content optimization engine requests the conversion rules file from the server for the ecommerce content optimization engine, and performs the optimization on the BlackBerry device. The client is designed to exchange data with the web site directly. No other server is involved in the data transfer. This is designed to provide end-to-end security, starting with the client for the ecommerce content optimization engine and ending with the web site. The server for the ecommerce content optimization engine does not send, receive, read, or optimize HTTPS data sent between the client and the web site.

Session timeout

Session timeout rules are designed to adhere to the rules for session timeouts on the original web site. For example, a checkout page expires after the same time interval on the optimized web site as it would on the original web site.

Original web site availability

After the client for the ecommerce content optimization engine is installed on a BlackBerry® device, and the client retrieves the current list of domains that support optimized web sites, the user is given the optimized web site and cannot view the original web site using the BlackBerry® Browser. To view the original web site, the user can remove the client for the ecommerce content optimization engine.

IT policy rules

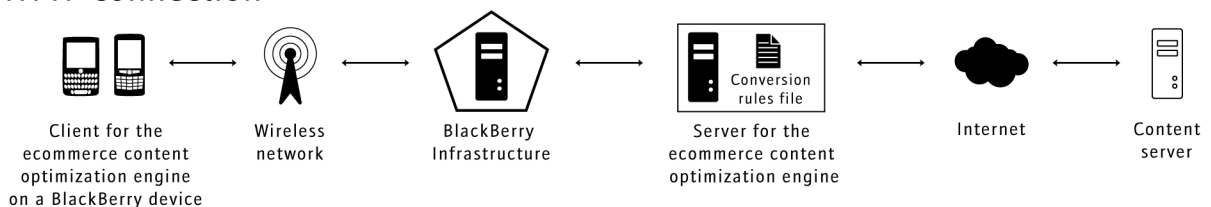
System administrators can use IT policy rules to allow or deny the use of the ecommerce content optimization engine on BlackBerry® devices. For more information about IT policy rules, see the *Policy Reference Guide*.

Architecture: Ecommerce content optimization engine 3

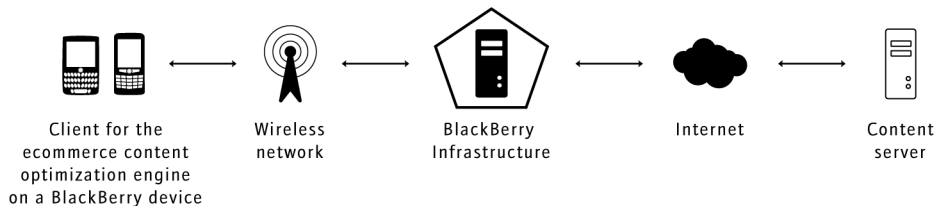
The client for the ecommerce content optimization engine is designed to detect a request for an optimized web site, and forward the request to the ecommerce content optimization engine server. The server is designed to retrieve the web page from the content server, use a conversion rules file to optimize the web page, and send the optimized web page to the BlackBerry® device.

If a BlackBerry device user requests a web page over an HTTPS connection, the client for the ecommerce content optimization engine does not forward the request to the server for the ecommerce content optimization engine. Instead, the client requests the conversion rules file from the server for the ecommerce optimization engine, retrieves the web page from the content server, and performs the optimization. Any data sent over an HTTPS connection, such as the user's name, address, and payment information, is sent between the BlackBerry device and the web site. The server for the ecommerce content optimization engine does not send or receive secure data.

HTTP connection



HTTPS connection



Component	Description
Client for the ecommerce content optimization engine on a BlackBerry device	The client for the ecommerce content optimization engine is an extension of the BlackBerry® Browser that enables a BlackBerry device to receive and display content that is optimized by the server for the ecommerce content optimization engine.

Component	Description
	The client retains a list of the domains that have an optimized web site. This list is updated to match the list of domains that the server for the ecommerce content optimization engine maintains.
BlackBerry® Infrastructure	The BlackBerry Infrastructure is designed to connect wireless and wired networks, and to associate BlackBerry devices with the appropriate BlackBerry service.
Server for the ecommerce content optimization engine	<p>The server for the ecommerce content optimization engine optimizes web content according to the rules defined in a conversion rules file, sends page requests from the BlackBerry device to the web site, and sends content from the web site to the BlackBerry device.</p> <p>Each optimized web site requires a conversion rules file. The conversion rules file contains the rules that determine what content is displayed, how it is displayed, and what content is excluded when optimizing each web site.</p>
Content server	The content server hosts the web site.

Process flows

4

Process flow: Installing the client for the ecommerce content optimization engine

To display an optimized web site, the BlackBerry® device user must install the client for the ecommerce content optimization engine on the BlackBerry device. The client can be installed when a user visits a web site that provides an optimized version or downloaded when a user visits www.mobile.blackberry.com. These steps occur in a single session, providing a simplified installation experience.

1. A BlackBerry device user visits a web site that provides an optimized version.
2. The web site detects the BlackBerry device and offers the user the option to visit the original web site or to download the optimized web site.
3. The user accepts the optimized web site.
4. The download page offers the user the installation for the client for the ecommerce content optimization engine.
5. The user installs the client for the ecommerce content optimization engine.
6. The client sends a request to the server for the list of domains that have an optimized web site.
7. The server for the ecommerce content optimization engine sends the list of domains that have an optimized web site to the client.
8. The client for the ecommerce content optimization engine displays the optimized web site.

After the client for the ecommerce content optimization engine is installed, the BlackBerry device displays optimized content whenever the user visits a web site that is included in the client's list of domains with an optimized web site.

Process flow: Visiting an optimized web site using the client for the ecommerce content optimization engine

1. A BlackBerry® device user uses the BlackBerry® Browser to request a web page on an optimized web site.
2. The client for the ecommerce content optimization engine checks and finds the web site's domain on the list of domains that have an optimized web site, and sends the request to the server for the ecommerce content optimization engine.
3. The server for the ecommerce content optimization engine receives the request and retrieves the web page from the content server.
4. The server for the ecommerce content optimization engine uses the conversion rules file to optimize the content.
5. The server for the ecommerce content optimization engine sends the optimized web page to the client on the BlackBerry device.
6. The client for the ecommerce content optimization engine displays the optimized web page.

Process flow: Updating the list of domains on the client for the ecommerce content optimization engine

The client for the ecommerce content optimization engine retains a list of the domains that have an optimized web site. The client checks this list each time the user requests a web site. If the web site's domain is on the list, the client starts the optimization process. If the web site's domain is not on the list, but it has an optimized web site, the client must retrieve the current list of domains from the server for the ecommerce content optimization engine.

1. A BlackBerry® device user requests a web page on a web site that provides an optimized version, but the web site is not on the client's list of domains that have an optimized web site. The client does not start the optimization process.
2. The original web site opens, detects the BlackBerry device, and offers the user the option to download the optimized web site.
3. The user accepts the option to download the optimized web site, and the request is forwarded to the download page for the client for the ecommerce content optimization engine.
4. The client that is already installed on the BlackBerry device detects the download page and requests the current list of domains from the server for the ecommerce content optimization engine.
5. The server sends the current list of domains to the client.
6. The client replaces the old list with the current list of domains.
7. The client starts the optimization process.

Process flow: Sending data over an HTTPS connection

The content provider specifies the connection for sending data, which can be either an HTTP or an HTTPS connection. When a BlackBerry® device user makes a purchase on an online retailer's web site, the payment information is typically sent over an HTTPS connection.

1. The BlackBerry device user requests a checkout page, over an HTTPS connection, on an online retailer's optimized web site.
2. The client for the ecommerce content optimization engine detects the request and retrieves the appropriate conversion rules file.
3. The client uses the conversion rules file to optimize the checkout page, and displays the page on the BlackBerry device.
4. The user types the payment information in the fields on the checkout page and submits the payment. If the BlackBerry device has the BlackBerry® Wallet application, the user can open the BlackBerry Wallet and populate the fields on the web page with the data stored in the BlackBerry Wallet.
5. The client for the ecommerce content optimization engine sends the data over the HTTPS connection to the online retailer's web site.

6. The HTTPS connection closes, and the server for the ecommerce content optimization engine optimizes web content if HTTP pages are requested.

Process flow: Populating a web form with data from the BlackBerry Wallet

1. The BlackBerry® device user requests a web page that includes fields, over an HTTPS connection.
2. The client for the ecommerce content optimization engine detects the request and retrieves the appropriate conversion rules file from the server for the ecommerce content optimization engine.
3. The client uses the conversion rules file to optimize the web page, displays the page on the BlackBerry device, and adds the BlackBerry® Wallet menu items to the device menu.
4. The user presses the **Menu** key and clicks **Open Wallet**.
5. The BlackBerry Wallet opens and prompts the user for the BlackBerry Wallet password.
6. In the BlackBerry Wallet, the user selects the data set to use. For example, the user can choose the owner information data set or a credit card data set.
7. The BlackBerry Wallet displays the selected data set.
8. The user verifies the data set.
9. The BlackBerry Wallet populates the fields on the web page with the data elements in the data set.
10. The user submits the information.
11. The client for the ecommerce content optimization engine sends the data over the HTTPS connection to the web site.

Requirements

5

Requirements for BlackBerry device users

- The BlackBerry® device must be connected to the BlackBerry® Infrastructure in North America. BlackBerry devices connected to a BlackBerry Infrastructure located outside of North America are not supported.
- The BlackBerry device must have BlackBerry® Device Software version 4.2 or later.
- The BlackBerry device must be associated with the BlackBerry® Internet Service or a BlackBerry® Enterprise Server that allows Internet browsing.

Requirements for content providers

- Content providers must contact Research In Motion to use the ecommerce content optimization engine to provide web content that is optimized for viewing on BlackBerry® devices.
- Web sites must be dynamically driven, and must use consistent markup and logic. The ecommerce content optimization engine does not support web sites that are created using an editor or that are hand coded.
- Content providers must inform Research In Motion of changes to the code on their web site so that Research In Motion can update the conversion rules file. For more information about this requirement, content providers can refer to their contract for the ecommerce content optimization engine.
- Web site administrators should add a script to their web pages that detects a BlackBerry device and offers the BlackBerry device user the optimized web site. For more information about writing a browser detection script, see the *BlackBerry Browser Content Development Guide*.

Content support

Content type	Description
HTML	Visit www.w3.org/TR/html401 for more information about the W3C specification that defines HTML.
cHTML	cHTML is a subset of HTML 2.0, HTML 3.2, and HTML 4.0. Visit www.w3c.org for more information.
JPEG	JPEG files are supported.
GIF	GIF87, GIF89 and animated .gif files are supported.
PNG	By default, the BlackBerry® device converts .gif images to .png images.
WBMP	Monochrome WBMPs are supported.

Content type	Description
Framesets and frames	Framesets and frames are supported. Framesets are rendered by stacking frames vertically on a single page in the order in which they are encountered, using the full width of the device screen and as much vertical space as is required to contain all the frames. Frames are rendered one frame at a time. Each frame is rendered completely before processing the next frame.
Audio	The following audio MIME types, up to 128 KB in size, are supported: <ul style="list-style-type: none">• audio/adpcm• audio/mid• audio/midi• audio/x-midi• audio/x-oki-adpcm2
JavaScript®	JavaScript 1.3 and earlier, and subsets of JavaScript 1.4 and 1.5 are supported. The ECMA-262 ECMAScript™ Language Specification is also supported.

The ecommerce content optimization engine does not support certain content formats. These include, but are not limited to, inline frames (specified using the <iframe> element), Adobe® Flash®, AJAX, Dynamic HTML, and Microsoft® ActiveX®. The ecommerce content optimization engine does not support any content format that is not listed in the table above.

Glossary

6

AJAX

Asynchronous JavaScript® and XML

cHTML

Compact Hypertext Markup Language

HTTP

Hypertext Transfer Protocol

HTTPS

Hypertext Transfer Protocol over Secure Sockets Layer

MIME

Multipurpose Internet Mail Extensions

WAP

Wireless Application Protocol

XML

Extensible Markup Language

Legal notice

7

©2008 Research In Motion Limited. All rights reserved. BlackBerry®, RIM®, Research In Motion®, SureType® and related trademarks, names, and logos are the property of Research In Motion Limited and are registered and/or used as trademarks in the U.S., Canada, and countries around the world.

Adobe and Flash are trademarks of Adobe Systems Incorporated. ECMAScript is a trademark of Ecma International. JavaScript is a trademark of Sun Microsystems, Inc. Microsoft and ActiveX are trademarks of Microsoft Corporation. All other trademarks are the properties of their respective owners.

The BlackBerry smartphone and other devices and/or associated software are protected by copyright, international treaties, and various patents, including one or more of the following U.S. patents: 6,278,442; 6,271,605; 6,219,694; 6,075,470; 6,073,318; D445,428; D433,460; D416,256. Other patents are registered or pending in the U.S. and in various countries around the world. Visit www.rim.com/patents for a list of RIM (as hereinafter defined) patents.

This documentation including all documentation incorporated by reference herein such as documentation provided or made available at www.blackberry.com/go/docs is provided or made accessible "AS IS" and "AS AVAILABLE" and without condition, endorsement, guarantee, representation, or warranty of any kind by Research In Motion Limited and its affiliated companies ("RIM") and RIM assumes no responsibility for any typographical, technical, or other inaccuracies, errors, or omissions in this documentation. In order to protect RIM proprietary and confidential information and/or trade secrets, this documentation may describe some aspects of RIM technology in generalized terms. RIM reserves the right to periodically change information that is contained in this documentation; however, RIM makes no commitment to provide any such changes, updates, enhancements, or other additions to this documentation to you in a timely manner or at all.

This documentation might contain references to third-party sources of information, hardware or software, products or services including components and content such as content protected by copyright and/or third-party web sites (collectively the "Third Party Products and Services"). RIM does not control, and is not responsible for, any Third Party Products and Services including, without limitation the content, accuracy, copyright compliance, compatibility, performance, trustworthiness, legality, decency, links, or any other aspect of Third Party Products and Services. The inclusion of a reference to Third Party Products and Services in this documentation does not imply endorsement by RIM of the Third Party Products and Services or the third party in any way.

EXCEPT TO THE EXTENT SPECIFICALLY PROHIBITED BY APPLICABLE LAW IN YOUR JURISDICTION, ALL CONDITIONS, ENDORSEMENTS, GUARANTEES, REPRESENTATIONS, OR WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY CONDITIONS, ENDORSEMENTS, GUARANTEES, REPRESENTATIONS OR WARRANTIES OF DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, MERCHANTABILITY QUALITY, NON-INFRINGEMENT, SATISFACTORY QUALITY, OR TITLE, OR ARISING FROM A STATUTE OR CUSTOM OR A COURSE OF DEALING OR USAGE OF TRADE, OR RELATED TO THE DOCUMENTATION OR ITS USE, OR PERFORMANCE OR NON-PERFORMANCE OF ANY SOFTWARE, HARDWARE, SERVICE, OR ANY THIRD PARTY PRODUCTS AND SERVICES REFERENCED HEREIN, ARE HEREBY EXCLUDED. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY BY STATE OR PROVINCE. SOME JURISDICTIONS MAY NOT ALLOW THE EXCLUSION OR LIMITATION OF IMPLIED WARRANTIES AND CONDITIONS. TO THE EXTENT PERMITTED BY LAW, ANY IMPLIED WARRANTIES OR CONDITIONS RELATING TO THE

DOCUMENTATION TO THE EXTENT THEY CANNOT BE EXCLUDED AS SET OUT ABOVE, BUT CAN BE LIMITED, ARE HEREBY LIMITED TO NINETY (90) DAYS FROM THE DATE YOU FIRST ACQUIRED THE DOCUMENTATION OR THE ITEM THAT IS THE SUBJECT OF THE CLAIM.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW IN YOUR JURISDICTION, IN NO EVENT SHALL RIM BE LIABLE FOR ANY TYPE OF DAMAGES RELATED TO THIS DOCUMENTATION OR ITS USE, OR PERFORMANCE OR NON-PERFORMANCE OF ANY SOFTWARE, HARDWARE, SERVICE, OR ANY THIRD PARTY PRODUCTS AND SERVICES REFERENCED HEREIN INCLUDING WITHOUT LIMITATION ANY OF THE FOLLOWING DAMAGES: DIRECT, CONSEQUENTIAL, EXEMPLARY, INCIDENTAL, INDIRECT, SPECIAL, PUNITIVE, OR AGGRAVATED DAMAGES, DAMAGES FOR LOSS OF PROFITS OR REVENUES, FAILURE TO REALIZE ANY EXPECTED SAVINGS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, LOSS OF BUSINESS OPPORTUNITY, OR CORRUPTION OR LOSS OF DATA, FAILURES TO TRANSMIT OR RECEIVE ANY DATA, PROBLEMS ASSOCIATED WITH ANY APPLICATIONS USED IN CONJUNCTION WITH RIM PRODUCTS OR SERVICES, DOWNTIME COSTS, LOSS OF THE USE OF RIM PRODUCTS OR SERVICES OR ANY PORTION THEREOF OR OF ANY AIRTIME SERVICES, COST OF SUBSTITUTE GOODS, COSTS OF COVER, FACILITIES OR SERVICES, COST OF CAPITAL, OR OTHER SIMILAR PECUNIARY LOSSES, WHETHER OR NOT SUCH DAMAGES WERE FORESEEN OR UNFORESEEN, AND EVEN IF RIM HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW IN YOUR JURISDICTION, RIM SHALL HAVE NO OTHER OBLIGATION, DUTY, OR LIABILITY WHATSOEVER IN CONTRACT, TORT, OR OTHERWISE TO YOU INCLUDING ANY LIABILITY FOR NEGLIGENCE OR STRICT LIABILITY.

THE LIMITATIONS, EXCLUSIONS, AND DISCLAIMERS HEREIN SHALL APPLY: (A) IRRESPECTIVE OF THE NATURE OF THE CAUSE OF ACTION, DEMAND, OR ACTION BY YOU INCLUDING BUT NOT LIMITED TO BREACH OF CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR ANY OTHER LEGAL THEORY AND SHALL SURVIVE A FUNDAMENTAL BREACH OR BREACHES OR THE FAILURE OF THE ESSENTIAL PURPOSE OF THIS AGREEMENT OR OF ANY REMEDY CONTAINED HEREIN; AND (B) TO RIM AND ITS AFFILIATED COMPANIES, THEIR SUCCESSORS, ASSIGNS, AGENTS, SUPPLIERS (INCLUDING AIRTIME SERVICE PROVIDERS), AUTHORIZED RIM DISTRIBUTORS (ALSO INCLUDING AIRTIME SERVICE PROVIDERS) AND THEIR RESPECTIVE DIRECTORS, EMPLOYEES, AND INDEPENDENT CONTRACTORS.

IN ADDITION TO THE LIMITATIONS AND EXCLUSIONS SET OUT ABOVE, IN NO EVENT SHALL ANY DIRECTOR, EMPLOYEE, AGENT, DISTRIBUTOR, SUPPLIER, INDEPENDENT CONTRACTOR OF RIM OR ANY AFFILIATES OF RIM HAVE ANY LIABILITY ARISING FROM OR RELATED TO THE DOCUMENTATION.

Prior to subscribing for, installing, or using any Third Party Products and Services, it is your responsibility to ensure that your airtime service provider has agreed to support all of their features. Installation or use of Third Party Products and Services with RIM's products and services may require one or more patent, trademark, copyright, or other licenses in order to avoid infringement or violation of third party rights. You are solely responsible for determining whether to use Third Party Products and Services and if any third party licenses are required to do so. If required you are responsible for acquiring them. You should not install or use Third Party Products and Services until all necessary licenses have been acquired. Any Third Party Products and Services that are provided with RIM's products and services are provided as a convenience to you and are provided "AS IS" with no express or implied conditions, endorsements, guarantees, representations, or warranties of any kind by RIM and RIM assumes no liability whatsoever, in relation thereto. Your use of Third Party Products and Services shall be governed by and subject to you agreeing to the terms of separate licenses and other agreements applicable thereto with third parties, except to the extent expressly covered by a license or other agreement with RIM.

The terms of use of any RIM product or service are set out in a separate license or other agreement with RIM applicable thereto. NOTHING IN THIS DOCUMENTATION IS INTENDED TO SUPERSEDE ANY EXPRESS WRITTEN AGREEMENTS OR WARRANTIES PROVIDED BY RIM FOR PORTIONS OF ANY RIM PRODUCT OR SERVICE OTHER THAN THIS DOCUMENTATION.

Research In Motion Limited
295 Phillip Street
Waterloo, ON N2L 3W8
Canada

Research In Motion UK Limited
200 Bath Road
Slough, Berkshire SL1 3XE
United Kingdom

Published in Canada