



*Ensure your organization is fully equipped to develop and deploy mobile applications, enable wireless enterprise instant messaging and exercise even more control over the BlackBerry® Enterprise Solution™.*

## Top Reasons to Upgrade: BlackBerry Enterprise Solution v4.1

*Makes it easier than ever for your organization to enable, support and manage its mobilized workplace*

## Why You Should Upgrade to BlackBerry Enterprise Solution v4.1

# With the latest release of the BlackBerry Enterprise Solution, your organization gains new wireless capabilities as well as access to enhanced administrative features that help increase productivity and further simplify management and support.

BlackBerry Enterprise Solution v4.1 provides organizations with the clearest, simplest path towards mobilizing the enterprise workplace.

### Simplify Management and Support With Enhanced Administration Tools

Take advantage of lower administrative and support costs with improved management of user groups and role-based administrator access.

The updated BlackBerry Manager includes the following enhancements:

- **Centralized administration console** provides a common interface for managing all elements of the BlackBerry Enterprise Solution.
- **Role-based administration** allows senior IT administrators to assign subsets of administrative functionality to groups of administrators based on their job responsibilities. It allows tasks to be delegated to lower level administrators while maintaining strict control over access to sensitive operations. A read only admin option enables new administrators to train without the risk of changing important data.
- **Group-based administration** helps to reduce and simplify administrative tasks such as moving large numbers of users between servers by allowing administrators to assign properties to and perform tasks on groups of related users. IT policies, email filters, application pushes, synchronization settings, access controls, software configurations and more are now all capable of being applied to groups of users in bulk.

### Improve Communication and Collaboration with Wireless Instant Messaging

Boost productivity and responsiveness throughout your organization by providing mobile users with wireless access to enterprise instant messaging and presence awareness tools.

BlackBerry Enterprise Solution v4.1 supports the following enterprise instant messaging platforms:\*\*

- IBM® Lotus® Sametime®
- Microsoft® Windows® Messenger and Microsoft Live Communications Server 2005
- Novell® GroupWise® Messenger

### Implement Wireless Applications Faster Than Ever with the Enhanced BlackBerry Mobile Data System

The BlackBerry Mobile Data System™ (BlackBerry MDS™), a key component of BlackBerry Enterprise Solution v4.1, dramatically reduces the amount of time and resources required to develop, deploy and manage wireless applications for mobile workers. It is an optimized application framework that delivers access to wireless applications using the same proven BlackBerry push delivery and advanced security model used for BlackBerry email. It includes:

- *BlackBerry MDS Services™* that run on BlackBerry Enterprise Server™ and manage interactions and requests between BlackBerry devices and enterprise applications.
- *BlackBerry MDS Developer Tools* for creating wireless applications for the BlackBerry Enterprise Solution.
- *BlackBerry MDS Device Software* that enables applications built with BlackBerry MDS Developer Tools to run on BlackBerry devices.



## Increase Confidence with BlackBerry Security Enhancements

Protect your enterprise data with further enhancements to the already robust security features of the BlackBerry Enterprise Solution:

- **PIN-to-PIN and SMS message auditing** enables compliance with government regulations. This feature also provides a log of all phone calls.
- **Optional S/MIME<sup>†</sup>, IBM Lotus Domino<sup>®</sup> encrypted mail and PGP support** provides writer to reader security functionality, allowing users to wirelessly sign and encrypt messages between senders and recipients.
- **Available BlackBerry Smart Card Reader<sup>™</sup>** creates a secure, two factor authenticated environment for granting access to BlackBerry and PKI applications.

## Additional Platform Enhancements

Other new features provided by BlackBerry Enterprise Solution v4.1 include:

- Support for hard delete so emails deleted from your mailbox or moved to PST files will be automatically deleted from the device
- Backup/restore of saved messages
- SNMP monitoring enhancements for proactive management
- Support for DB2 configuration database<sup>‡</sup>
- Enterprise device authorization enables administrators to select which types of BlackBerry devices are permitted to connect to the BlackBerry Enterprise Server

## BlackBerry Enterprise Solution Feature Comparison

Solution Features	Available in previous versions	Available in version 4.0	Available in version 4.1
<b>Security</b>			
Triple DES encryption support	▲	▲	▲
AES encryption support		●	●
Support for Secure/Multipurpose Internet Mail Extensions (S/MIME)	■	■	■
Support for IBM Lotus Domino encrypted mail			◆
Device Content Protection, Content Compression		●	●
Wireless Encryption Key Regeneration		●	●
Support for Two Factor Authentication for applications			●
<b>Deployment</b>			
Over-the-Air, Cradle-less Device Provisioning		●	●
Supports Optional BlackBerry Desktop Manager (Basic MSI Installer, Full Desktop or Handheld Manager only)		▲	▲
BlackBerry Router and BlackBerry Device Manager		●	●
Device Configuration Tool		●	●
Over-the-Air Third Party Application Provisioning and Control		●	※
Support for BlackBerry devices, BlackBerry Connect™ and BlackBerry Built-In™ devices	▲	▲	▲
<b>Management / Administration</b>			
Common Management Console for BlackBerry Enterprise Server			●
Wireless IT Policies and Commands	●	●	●
Role-based Administration			●
Group-based Administration			●
Enterprise Device Authorization			●
Automatic Wireless Backup of Device Data. Backup and Restore of Saved Messages supported in v4.1		●	※
Archiving SMS, PIN-to-PIN and call traffic			●
Support for DB2 configuration database			◆
Multi Domain Support		◆	◆
All-Points-Bulletin Via PIN	●	●	●
Global Filters	●	●	●
<b>Enterprise Data Access</b>			
BlackBerry Mobile Data System (Full application development framework)			●
Browser-Based Development Option Supported	●	●	●
Traditional Client-Server Development Option Supported	●	●	●
Web Services Rapid Application Development Option Supported			●
New and Enhanced BlackBerry MDS Services: Group Push and Scalability Improvements, Distributed Server Deployment and Faster Web Browsing and authentication support	●	●	※
<b>Developer Tool Enhancements</b>			
BlackBerry Java Development Environment enhancements for v4.1: New and enhanced APIs, support for 3rd party debugger tools, enhanced GPS simulation	●	●	※
Plazmic Content Developer's Kit for BlackBerry: New Theme Builder for customizing various aspects of the user interface			●
Additional development tools, such as Synchronization SDK, Attachment Distiller SDK and Plazmic Content Developer's Kit™		●	●
BlackBerry Signing Authority Tool and BlackBerry Application Web Loader			●
On-device Delete of Applications		●	●

Device Features	Available in previous versions	Available in version 4.0	Available in version 4.1
<b>Email</b>			
Wireless Email Reconciliation	•	•	•
Sent Item Synchronisation		•	•
On-device Email Setting Management		•	•
Wireless Email Reconciliation and Hard Delete Support			*
<b>Instant Messaging</b>			
Support for IBM Lotus Sametime, Microsoft Windows Messenger and GroupWise Messenger instant messaging solutions			•
<b>PIM/Organizer</b>			
Wireless Calendar Synchronization. Enhancements for v4.0: Tentative Acceptance, Conflict and Adjacent Notification, Private Flag Support	■	*	*
Wireless PIM Synchronization (Address Book, Memopad, Tasklist). Enhancements for v4.0: Task Reminders and Recurrences, PIM Categories Support		*	*
Remote Address Lookup. Enhancements for v4.1: Field selection, map custom fields, support for hosted companies	•	•	*
<b>Attachments</b>			
Attachment service support for .ZIP	•	•	•
Attachment Service Enhancements for v4.0: Support for Image Viewing (JPG, BMP, GIF, PNG and TIFF), Document Info and Tracked Changes		•	•
Attachment Service Enhancements for v4.1: Support for 'Enlarge All' and 'Full Image', enhanced PowerPoint® viewing, enhanced documents viewing (web documents, WMF)			•

\* Enhancements over previous version(s)

- Microsoft Exchange, IBM Lotus Domino and Novell GroupWise
- ▲ Microsoft Exchange and IBM Lotus Domino only
- Microsoft Exchange only
- ◆ IBM Lotus Domino only





## For More Information on BlackBerry Enterprise Solution v4.1

For resources that will help you get started with BlackBerry Enterprise Solution v4.1, visit the BlackBerry web site:  
[www.blackberry.com/go/serverupgrade](http://www.blackberry.com/go/serverupgrade)

## Purchase BlackBerry Enterprise Solution v4.1

Find out how you can purchase the BlackBerry Enterprise Solution or upgrade to the latest version:

By telephone: **1-877-255-2377**

Online: [www.blackberry.com/go/purchase](http://www.blackberry.com/go/purchase)

Or by contacting your wireless service provider

\*Check with service provider for availability, roaming arrangements, service plans and features. Certain features outlined in this document require a minimum version of BlackBerry Enterprise Server Software, BlackBerry Desktop Software and/or BlackBerry device software and may require additional development or third party products and/or services for access to corporate applications and use of certain models of BlackBerry devices. Prior to subscribing to or implementing any third party products and services, it is your responsibility to ensure that the airtime service provider you are working with has agreed to support all of the features of the third party products and services. Installation and use of third party products and services with RIM's products and services may require one or more patent, trademark or copyright licenses in order to avoid infringement of the intellectual property rights of others. You are solely responsible for determining whether such third party licenses are required and are responsible for acquiring any such licenses. To the extent that such intellectual property licenses may be required, RIM expressly recommends that you do not install or use these products and services until all such applicable licenses have been acquired by you or on your behalf. Your use of third party software shall be governed by and subject to you agreeing to the terms of separate software licenses, if any, for those products or services. Any third party products or services that are provided with RIM's products and services are provided "as is". RIM makes no representation, warranty or guarantee whatsoever in relation to the third party products or services and RIM assumes no liability whatsoever in relation to the third party products and services even if RIM has been advised of the possibility of such damages or can anticipate such damages. \*\*Allowing users to chat with other users of the same platform using a supported BlackBerry device. †Support for S/MIME available for BlackBerry Enterprise Server for Microsoft Exchange only. ‡BlackBerry Enterprise Server for IBM Lotus Domino only.

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