

# BlackBerry® Enterprise Solution v4.1

For IBM Lotus Domino

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 BlackBerry®

# EXTENDING EXCHANGE WITH SECURE WIRELESS SOLUTIONS

BlackBerry® Enterprise Server software integrates with Microsoft® Exchange and your existing enterprise systems, securely extending wireless communications and corporate data to your mobile users.

BlackBerry Enterprise Solution v4.1 is the latest and most powerful version of the leading wireless solution. It offers a complete wireless platform to extend the benefits of your Microsoft Exchange messaging and collaboration environment to your mobile professionals.

By mobilising Microsoft Exchange, your organisation can boost business performance by increasing productivity and enabling workers to make timely decisions based on the most accurate information available. With BlackBerry Enterprise Solution for Microsoft Exchange, your business can give mobile users push-based wireless access to:

- Microsoft Exchange email
- Exchange calendar, contacts and scheduling
- Microsoft Office Communicator and LCS (Live Communications Server) instant messaging and collaboration
- Web-based, Java® ME and Web Services applications, and .NET applications
- Other enterprise applications and systems such as Customer Relationship Management (CRM), Enterprise Resource Planning (ERP) and much more

## GET MORE FROM EXCHANGE

BlackBerry Enterprise Solution allows you to derive much more value from your existing investment in Microsoft Exchange, as well as those in other corporate applications and systems. The standards-based protocols and development tools included with BlackBerry Enterprise Server allow you to extend the potential of your existing technology investments, lowering the Total Cost of Ownership (TCO) and opening up new opportunities to gain competitive advantage and deliver innovative wireless solutions to business challenges.

## THE FLEXIBILITY YOU NEED

Designed for all businesses, BlackBerry Enterprise Solution is flexible enough to fit seamlessly into your Exchange-based infrastructure. It offers a single platform from which to manage multiple wireless network technologies, devices, and enterprise systems. It's easy to install, deploy and manage, and offers all the functionality and security you require to extend Exchange reliably and effectively to mobile professionals in your organisation.

## THIRD PARTY DEVELOPMENT

One of the key benefits of your investment in BlackBerry Enterprise Solution for Microsoft Exchange is the world of potential it offers. BlackBerry® Mobile Data System allows almost any corporate application or database to be extended securely to mobile users. And there is already a huge library of software solutions addressing specific business challenges available from members of the BlackBerry® Alliance Programme, third party developers who have developed tailored solutions for a huge range of corporate requirements. The BlackBerry® Solutions Guide is a must-have directory detailing hundreds of applications and services already available.

Find out more at:

<https://www.blackberry.com/SolutionsGuide/ DATA>

## SECURITY

Data security can sometimes be a concern with wireless deployments. Not with BlackBerry Enterprise Solution. End-to-end AES or Triple DES encryption ensures the confidentiality and integrity of wirelessly transmitted information from behind the firewall to smartphones in the field. BlackBerry Enterprise Solution also supports more than 100 over-the-air wireless IT policies and commands, enabling IT administrators to impose smartphone lock-down, wipe data from lost or stolen smartphones, and define and wirelessly enforce security settings such as Bluetooth® lockout and required/disallowed applications on smartphones

BlackBerry Enterprise Solution for Microsoft Exchange also offers additional security features to give administrators total control over the security of emails and data:

- PIN-to-PIN and SMS message auditing — enabling compliance with government regulations and logging of all phone calls
- Support for S/MIME and PGP encrypted email — maintaining complete email security during wireless transmission
- Available BlackBerry® Smart Card Reader — creating a secure, two-factor authenticated environment for granting access to BlackBerry and PKI applications
- Other critical security features — including support for hard deletes, backup/restore of saved messages, SNMP monitoring enhancements and enterprise smartphone authorisation
- The ability to disable the camera on employees' BlackBerry smartphones

## BLACKBERRY MOBILE DATA SYSTEM

Developing new wireless applications to extend corporate systems and data can seem challenging. But BlackBerry Mobile Data System (BlackBerry MDS) — which is a key part of BlackBerry Enterprise Server — offers an optimised application development framework that will dramatically reduce the time and effort needed to develop and deploy such wireless applications. Using the same push-based delivery model and advanced security features as BlackBerry email BlackBerry MDS offers:

- BlackBerry MDS Services — Manage interactions and requests between BlackBerry smartphones and enterprise applications
- BlackBerry MDS Developer Tools — Create wireless applications for the BlackBerry Enterprise Solution
- BlackBerry MDS Device Software — Enable applications built with BlackBerry MDS Developer Tools to run on BlackBerry smartphones Find out more about BlackBerry MDS at <http://eu.blackberry.com/eng/services/mobile.jsp>

## BLACKBERRY SUPPORT

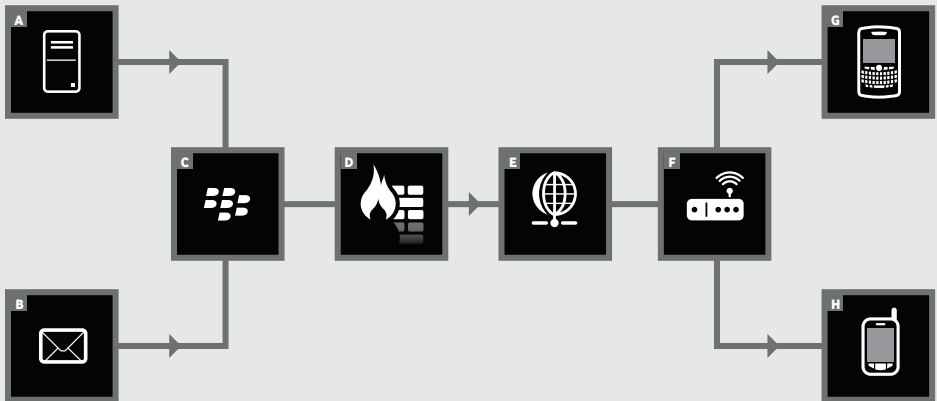
Whatever level of support you require, BlackBerry® Technical Support Services can deliver. Extensive support for BlackBerry Enterprise Solution for Microsoft Exchange is available online, including installation guides and user manuals (<http://eu.blackberry.com/eng/support/>). Your business can also choose from a range of support programmes and services designed to get the most value from your BlackBerry Enterprise Solution. These include BlackBerry Technical Support Services, the BlackBerry Alliance Programme, Corporate Developer Programme, RIM Professional Services, and others. These tools and programmes are designed to help organisations deploy, manage and extend their wireless solution.

# Understanding the architecture

The key element of BlackBerry Enterprise Solution is the BlackBerry Enterprise Server software, that acts as the central link between your Exchange and corporate servers, and the smartphones in the pockets of your mobile users. It fits seamlessly into Exchange environments and offers total administrative control and enterprise-grade data security, enabling wireless services for users without requiring disruption to normal services or significant development.

Understanding the architecture

- A Corporate databases and applications
- B Microsoft Exchange Server
- C BlackBerry Enterprise Server
- D Corporate Firewall
- E Internet
- F More than 160 wireless networks across the world
- G BlackBerry smartphones
- H BlackBerry-compatible devices from other manufacturers



# EASY TO INSTALL, INTEGRATE AND MANAGE

BlackBerry Enterprise Server sits behind the corporate firewall and manages the end-to-end transfer of data between mobile users' smartphones and the existing corporate infrastructure (see architecture diagram).

Managing and administering BlackBerry® Enterprise Solution for Microsoft Exchange is simple. Enhanced Administration Tools offer the chance to take advantage of lower administrative and support costs with improved management of user groups and role-based administrator access.

The latest version of BlackBerry Enterprise Solution includes the following administrative options:

- Centralised 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, synchronisation settings, access controls, software configurations and more are now all capable of being applied to groups of users in bulk.

## BENEFITS

INTEGRATES QUICKLY  
WITH EXCHANGE

CENTRAL ,  
ROLE - BASED  
AND GROUP  
ADMINISTRATION

EXTEND EXISTING  
TECHNOLOGY  
INVESTMENTS

# Solution feature

## Management / Administration

- Common Management Console for BlackBerry Enterprise Server
- Wireless IT Policies and Commands
- Role-based Administration
- Group-based Administration
- Enterprise Smartphone Authorisation
- 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

## Enterprise Data Access

- BlackBerry Mobile Data System (Full application development framework)
- Browser-Based Development Option Supported
- Web Services Rapid Application Development Option Supported
- Traditional Client-Server Development Option Supported
- New and Enhanced BlackBerry MDS Services: Group Push and Scalability Improvements, Distributed Server Deployment and Faster Web Browsing and authentication support

## Security

- Triple DES encryption support
- AES encryption support
- Support for Secure/Multipurpose Internet Extensions (S/MIME and PGP)
- Device Content Protection, Content Compression
- Wireless Encrypted Key Regeneration
- Support for Two Factor Authentication for applications

## Deployment

- Over-the-Air, cradleless Smartphone 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 smartphones and BlackBerry Connect devices

## More resources

If you would like to find out more about using BlackBerry Enterprise Server with Microsoft Exchange, visit:  
<http://eu.blackberry.com/eng/services/server/exchange>

For more information please contact our Business Segment Sales Team on  
[corporatesales.mt@vodafone.com](mailto:corporatesales.mt@vodafone.com) or call us on 92111228  
[www.vodafone.com.mt](http://www.vodafone.com.mt)

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Terms and conditions apply

