In addition to adding support for Web Services, BlackBerry MDS v4.1 includes other new features:

Enhancements with BlackBerry MDS v4.1

- Broadcast push allows simultaneous content distribution to groups of BlackBerry MDS Services and BlackBerry Enterprise Server can be increased for BlackBerry MDS Java Applications and BlackBerry MDS v4.0 installed on separate machines for greater performance and stability.

Additional Security Features

- RSA Securid® token support for two factor authentication provides an extra layer of security for accessing content wirelessly.

Scalability

- Improved BlackBerry transcoder architecture decreases browser rendering times, increasing efficiency and portability of applications using sockets.

Performance

- Support for additional simultaneous persistent socket connections, including WebSphere and applications using sockets.

Updated BlackBerry MDS Studio Applications

- New for BlackBerry MDS Studio Applications.

Get More Information or Download BlackBerry MDS

Visit the BlackBerry web site for all the tools and resources you need to get started with BlackBerry MDS. For access to the latest documentation, information and developer tools, visit: www.blackberry.com/go/mds.

Purchase BlackBerry Enterprise Solution v4-1

BlackBerry MDS v4-1 is available with BlackBerry Enterprise Solution v4-1. To find out how to purchase the BlackBerry Enterprise Solution v4-1, contact 1-877-255-2377 or 1-800-332-2411. Online: www.blackberry.com/go/purchase.
BlackBerry® Mobile Data System™ (BlackBerry MDS™) is an optimized application development framework for the BlackBerry Enterprise Solution.

BlackBerry MDS provides organizations with:
- Everything needed for building and deploying applications for the BlackBerry Enterprise Solution.
- Provides multiple development options and developer tools to organizations, so they can choose the methods that best suit their needs.
- Uses standards-based mechanisms and protocols to simplify integration with applications and systems.
- Optimizes wireless data transmissions for increased performance and lower operating costs.
- Provides TCP/IP and HTTP-based connectivity between BlackBerry MDS Studio™ Applications and Web Services.
- Manages the interactions and requests between BlackBerry devices and enterprise applications.
- Demonstrates how to optimize new and existing web-based applications using standard web development tools.
- Manages all components of the BlackBerry MDS architecture.

BlackBerry MDS Development Options:
- Involves three main components, including Web Services using BlackBerry MDS Studio.
- BlackBerry MDS Services™ mode on the BlackBerry Enterprise server and are responsible for managing interactions and requests between BlackBerry devices and enterprise applications.
  - BlackBerry MDS Administration and Management Service is responsible for managing BlackBerry devices and enterprise applications.
  - BlackBerry MDS Java Applications, BlackBerry MDS Browser Applications, and applications integrated with enterprise applications.

BlackBerry MDS Architecture:
BlackBerry MDS provides the essential components for creating, deploying, and managing applications for the BlackBerry Enterprise Solution. It delivers access to wireless applications using the same proven BlackBerry push delivery and advanced security model used for BlackBerry email.

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Blackberry MDS provides developers with a range of application development options, including easy integration with Web Services using BlackBerry MDS Studio.

"Extending applications and information with BlackBerry MDS is easier and more secure than any competing solution."

Brad Anderson, Windows Systems Administrator, Enery.
BlackBerry® Mobile Data System™ (BlackBerry MDS™) is an optimized application development framework for the BlackBerry Enterprise Solution.

BlackBerry MDS provides organizations with:

- Everything needed for building and deploying applications for the BlackBerry Enterprise Solution.
- Easily extend existing web-based applications and content using the BlackBerry MDS™.
- BlackBerry MDS Runtime™ enables developers to create wireless applications for the BlackBerry® device.
- BlackBerry Java Virtual Machine™ (BlackBerry JVM) provides a secure environment for running Java applications.
- BlackBerry MDS Provisioning Service controls and manages which applications users can download to BlackBerry devices.
- BlackBerry MDS Data Optimization Service transforms data for efficient wireless transmission and use on mobile devices.
- BlackBerry MDS Application Integration Service enables the integration of standard Web Services between BlackBerry MDS™ applications and Web services.
- BlackBerry MDS Java Applications, BlackBerry MDS Browser Applications and enterprise applications can communicate with each other.
- BlackBerry MDS Studio™ is a powerful visual application design and assembly tool that allows developers to quickly create and deploy applications that integrate with Web services using a component-based drag and drop approach.
- BlackBerry MDS Studio™ provides the essential components for creating, deploying and managing applications for the BlackBerry® device.

Simplified application lifecycle management helps reduce administrative overhead.

- Extends applications and information with BlackBerry MDS to easily and securely access wireless applications.
- BlackBerry MDS™ enables developers to create wireless applications for the BlackBerry® device.
- BlackBerry MDS™ is easier and more secure than any competing solution.

BlackBerry MDS Architecture

BlackBerry MDS provides the essential components for creating, deploying and managing applications for the BlackBerry Enterprise Solution. It delivers access to wireless applications using the same proven BlackBerry push delivery and advanced security model used for BlackBerry email.

There are three main components to BlackBerry MDS:

1. BlackBerry MDS Studio™: An out-of-the-box visual application design and assembly tool that allows developers to quickly create and deploy wireless applications for the BlackBerry® device.
2. BlackBerry MDS Runtime™: Provides runtime services for applications developed with BlackBerry MDS Studio.
3. BlackBerry MDS Services™: Provides everything needed to control and manage which applications users can download to BlackBerry devices.

BlackBerry MDS Development Options

- BlackBerry MDS Studio™ is an optimized application development framework that can be used to create wireless applications for the BlackBerry® device.
- BlackBerry MDS Runtime™ provides runtime services for applications developed with BlackBerry MDS Studio.
- BlackBerry MDS Services™ provides everything needed to control and manage which applications users can download to BlackBerry devices.

BlackBerry MDS Studio™

- BlackBerry MDS Studio™ provides runtime services for applications developed with BlackBerry MDS Studio.
- BlackBerry MDS Services™ provides an easy-to-use interface for managing applications and controlling which applications users can download.
- BlackBerry MDS Services™ provides everything needed to control and manage which applications users can download to BlackBerry devices.

BlackBerry MDS Development Options

- BlackBerry MDS Studio™ provides runtime services for applications developed with BlackBerry MDS Studio.
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BlackBerry® Mobile Data System™ (BlackBerry MDS™) is an optimized application development framework for the BlackBerry Enterprise Solution.

BlackBerry MDS provides organizations with:
- Everything needed for building and deploying applications for the BlackBerry Enterprise Solution.
- Frees multiple development camps and developer tools to organizations that choose to exclude BlackBerry.
- Sustained brand-based integration and products to simplify integration with application and system.
- Simplified application lifecycle management to reduce administrative overhead.
- Centralized deployment and management of applications using familiar BlackBerry Enterprise Server™ administration tools.
- User-centric application execution, management, and deletion capabilities “Extending applications and information with BlackBerry MDS is easier and more secure than any competing solution.”

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There are three main components to BlackBerry MDS:

- BlackBerry MDS Services™ are made on the BlackBerry Enterprise Server and are responsible for managing interactions and requests between BlackBerry devices and enterprise applications.
- BlackBerry MDS device software controls and manages which applications can be installed on BlackBerry devices.
- BlackBerry MDS Java Virtual Machine™ (BlackBerry JVM) provides a secure environment for running Java applications created using the BlackBerry JDE.

BlackBerry MDS Architecture

BlackBerry MDS Development Options

- BlackBerry MDS Studio™ is a powerful visual application design and assembly tool that allows developers to quickly create and deploy applications that integrate with Web Services using a component-based drag and drop approach.
- BlackBerry MDS Application Repository™ supports the integration of rich data between BlackBerry devices and enterprise applications.
- BlackBerry MDS Application Integration Services™ supports the integration of rich data between BlackBerry devices and Web services.
- BlackBerry MDS Application Repository™ centrally manages published BlackBerry MDS Services applications.

BlackBerry MDS Development Options

- BlackBerry MDS Device Software™ resides on BlackBerry devices and permits the use of application clients, including native, Java and HTML applications for the BlackBerry Browser using standard web development tools.
- BlackBerry MDS Developer Tools™ include the core components of any BlackBerry MDS Application with interactor media and rich graphical content.
- BlackBerry MDS Service Gateways™ resides on BlackBerry devices and provides the use of application gateways with BlackBerry MDS Runtime.
- BlackBerry MDS Runtime™ provides runtime services for applications developed with BlackBerry MDS Studio.
- BlackBerry MDS Device Software™ resides on BlackBerry devices.
- BlackBerry MDS Realtime™ provides runtime services for applications developed with BlackBerry MDS Studio.
- BlackBerry MDS Development Tools™ include the core components of any BlackBerry MDS Application with interactor media and rich graphical content.

BlackBerry MDS Development Options

- BlackBerry MDS Studio™ is a powerful visual application design and assembly tool that allows developers to quickly create and deploy applications that integrate with Web Services using a component-based drag and drop approach.
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- BlackBerry MDS Developer Tools™ include the core components of any BlackBerry MDS Application with interactor media and rich graphical content.
- BlackBerry MDS Service Gateways™ resides on BlackBerry devices and provides the use of application gateways with BlackBerry MDS Runtime.
- BlackBerry MDS Runtime™ provides runtime services for applications developed with BlackBerry MDS Studio.
- BlackBerry MDS Device Software™ resides on BlackBerry devices.
- BlackBerry MDS Realtime™ provides runtime services for applications developed with BlackBerry MDS Studio.
BlackBerry Mobile Data System dramatically reduces the amount of time and resources required to develop and deploy wireless applications for mobile workers.

A Comprehensive New Application Development Framework

The next generation of BlackBerry MDS now includes:
BlackBerry MDS Services, BlackBerry MDS Developer Tools and BlackBerry MDS Device Software.

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Enhancements with BlackBerry MDS v4.1

In addition to accessing props for BlackBerry, BlackBerry MDS v4.1 offers new features:

- Increased Scalability
- Improved Performance
- Improved Security Features

Get More Information or Download BlackBerry MDS

Visit the BlackBerry web site for all the tools and resources you need to get started with BlackBerry MDS. For access to the latest documentation, information on web-based tools, visit: www.blackberry.com/go/mds

Purchase BlackBerry Enterprise Solution v4.1

BlackBerry MDS v4.1 is available with BlackBerry Enterprise Solution v4.1. To find out how to purchase the BlackBerry Enterprise Solution v4.1, call 1-877-255-2377 or visit: www.blackberry.com/go/purchase

BlackBerry Mobile Data System

A Development Framework for Wirelessly Extending Applications
In addition to adding support for Web Services, BlackBerry MDS v4.1 includes other new features:

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### BlackBerry MDS v4.1 Enhancements

1. **Enhanced Broadcase Push**: Allows simultaneous content distribution to groups of devices.
2. **Improved Handling of Push Traffic**: At peak times for the organization.
3. **New Management Tools**: For BlackBerry MDS and BlackBerry Enterprise Server.
4. **Support for Additional Simultaneous Persistent Socket Connections**: Increasing efficiency and portability of applications using sockets.
5. **Improved BlackBerry Transcoder Architecture**: Decreases rendering times.
6. **New BlackBerry Browser Applications**: For BlackBerry MDS Studio.

### BlackBerry MDS v4.1 Additional Security Features

- **Enhanced Secure Sockets**: For BlackBerry MDS.

BlackBerry Mobile Data System dramatically reduces the amount of time and resources required to develop and deploy wireless applications for mobile workers.

Get More Information or Download BlackBerry MDS

Visit the BlackBerry web site for all the tools and resources you need to get started with BlackBerry MDS. For access to the latest documentation, information on new features, tools, or www.blackberry.com/go/mds.

Purchase BlackBerry Enterprise solution v4.1

BlackBerry MDS v4.1 is available with BlackBerry Enterprise solution v4.1. To find out how to purchase the BlackBerry Enterprise solution, call your sales representative at 1-800-347-5990. For more information, visit www.blackberry.com/go/purchase.

For a comprehensive list of all the tools and resources you need to get started with BlackBerry MDS, visit www.blackberry.com/go/mds.