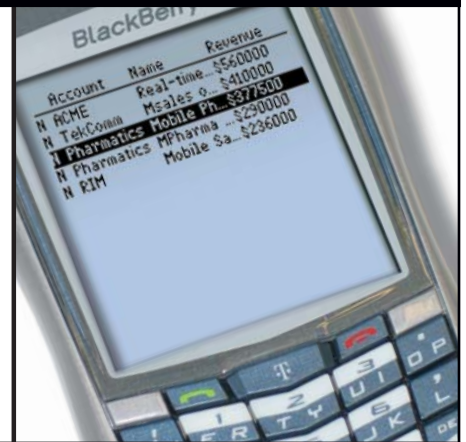


# extending enterprise applications to BlackBerry devices

accelerate application development using OneBridge® Mobile Platform



Extended Systems OneBridge platform enables enterprises to develop and deploy rich business applications on BlackBerry® devices. It works in concert with the existing e-mail capabilities by adding an enterprise mobile architecture that delivers both a high degree of reliability and extensive backend integration to legacy enterprise applications. For mobile workers already using BlackBerry for e-mail, OneBridge allows flexibility and investment protection by enabling enterprises to extend additional business applications to their existing device.

The OneBridge Mobile Application Acceleration Toolkit (OMAAT) for BlackBerry devices provides a rich library framework on the device for developing great mobile applications that access enterprise backends like CRM and ERP applications, Web Services and legacy database applications. The tool-kit provides delivery modes, database access and rich backend connectivity to make it easy for developers to build rich UI applications without worrying about data integrity, storage and connectivity. The toolkit is fully compliant with the BlackBerry Java™ Development Environment as well.

## features

### Rich client-connected enterprise applications for BlackBerry

Offers developers a choice to create rich client business applications that access enterprise data whether the BlackBerry device is connected or disconnected. The application experience is similar to built-in e-mail and other native applications for access from virtually anywhere.

### Easy access to any enterprise applications

Create applications that can access any kind of data using the OneBridge pre-built connectors for CRM and ERP applications, Web Services, legacy applications, databases and other server objects.

### Deliver any data

Deliver any kind of data to BlackBerry devices using the push, transactional and sync capabilities of the OneBridge toolkit. This provides an optimized way to access reference data, get notifications and execute transactions. Any of these methods could be used in an application depending on the type of functionality required.

## Do more with BlackBerry

- Develop easy-to-use rich client applications that can access enterprise data easily
- Extend any enterprise application to BlackBerry
- Deliver any type of data from backend systems using the OneBridge platform
- Persist data locally for data access when offline



**Built-in database for offline support**

Developers can utilize a lightweight, high-performance database that provides an easy way to persist enterprise data on the device with full offline navigational access. Using the optimized BlackBerry Java APIs, this database is fully geared towards integration with enterprise data by supporting automatic change detection for transactional and sync needs.

**Completely leverages BlackBerry security and infrastructure**

The toolkit utilizes the BlackBerry Enterprise Server™ and the Mobile Data Service (MDS) for communication and security so enterprise data is secure.

**Single infrastructure to develop application on all devices**

The OneBridge Platform offers enterprises and developers a unified way to develop and deploy applications to leading device operating systems including all Java-based BlackBerry devices.

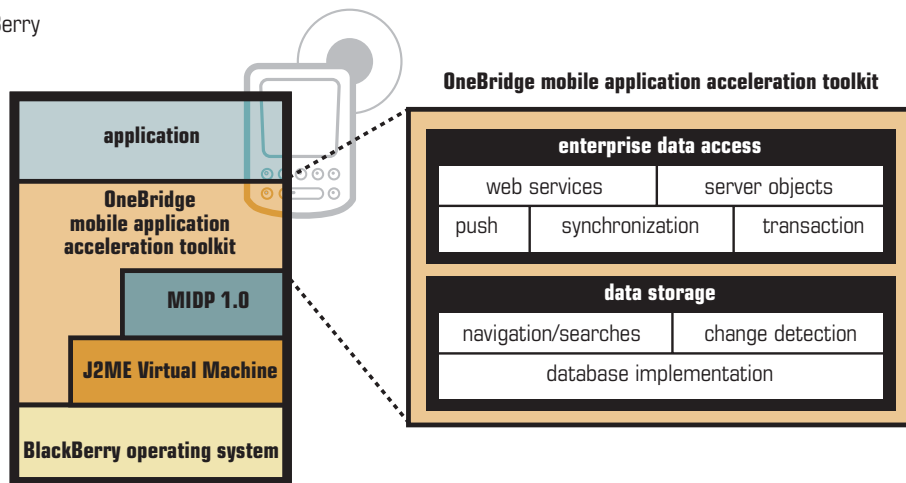
## architecture

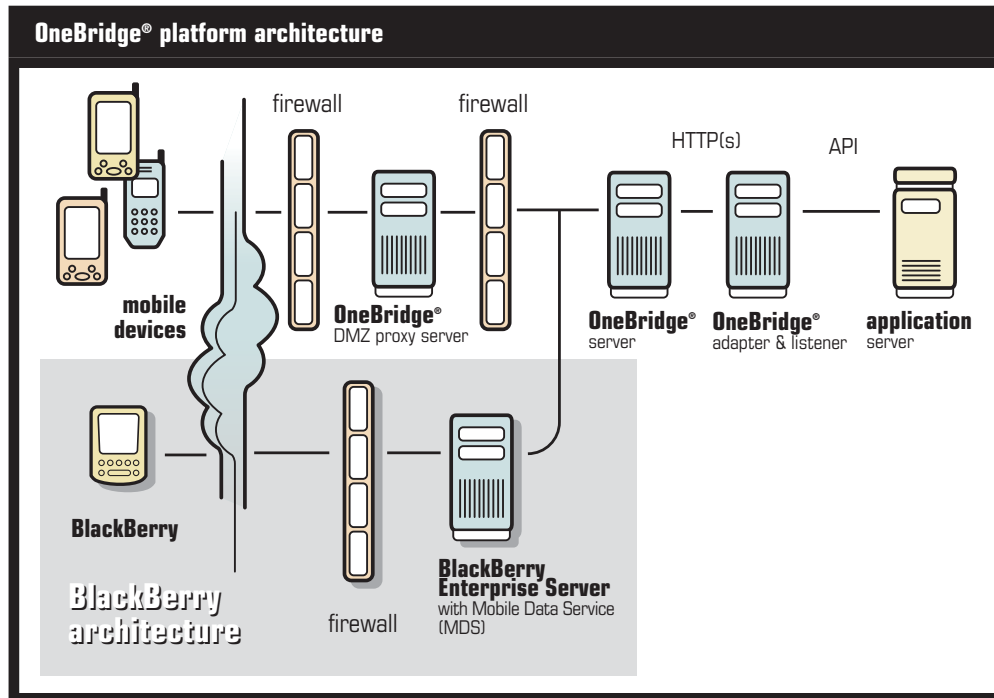
**OneBridge Mobile Application Acceleration Toolkit (OMAAT) for BlackBerry**

The OneBridge toolkit makes it easy to develop rich client applications on BlackBerry that require enterprise data access. OneBridge technology provides an application framework for BlackBerry developers that accelerate the development of applications. Developers can embed OneBridge libraries inside their applications to leverage various delivery methods like synchronization, transactional and server-based push to access data from a variety of enterprise backends easily. This flexibility provides developers with quick access to applications on the device anytime while intelligently updating the data when connected.

In addition, the OneBridge Framework provides a robust database implementation to help developers store persistent data on the device in a structured format that can be easily synchronized with server data. The database provides navigation, searching, indexing and other common database functionality. It also has automatic change log detection for easy reconciliation with server data. Based on BlackBerry Java APIs, it is optimized for high performance and low maintenance.

- Leverages both the native BlackBerry and J2ME™ MIDP features
- Provides application functionality to access and store data on the devices
- Provides sync, transactional and push delivery





## client features

### Embedded OneBridge library

OneBridge client libraries for seamless integration with applications

### Rich client support

Enables developers to create rich offline applications with full connectivity to backend servers

### Native development environment

Allows developers to use BlackBerry JDK to develop applications and integrated Extended Systems libraries for BlackBerry

### Data delivery

Supports push, synchronization and transactional methods for data delivery

### Backend enterprise data access

Supports access to all the enterprise servers that OneBridge supports today

### Database support

Provides native Extended Systems database as part of the client solution for optimal data storage and navigation

## technical specifications

### requirements:

- BlackBerry Enterprise Server (Exchange: 3.6 or greater, Notes: 2.2 or greater)
- Mobile Data Service installed

### supported BlackBerry devices:

- All Java-based BlackBerry devices on all networks
- Device OS version 3.7 or greater

### recommended minimum memory:

14MB Flash and 2MB RAM



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Extended Systems provides the expertise, strategy and solutions to help enterprise organizations streamline their business processes through mobile technology. The company's mobile solutions suite enables companies to mobilize critical enterprise applications such as e-mail, field service, sales force automation (SFA), enterprise resource planning (ERP), and customer relationship management (CRM). Extended Systems has more than 2,500 enterprise customers worldwide and key alliance relationships with EDS, Ericsson, HP, IBM, Microsoft, Motorola, Nokia, palmOne, RIM, Siemens, Symbian and Toshiba. © 2004 Extended Systems, Inc.

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### United States

#### Headquarters

5777 North Meeker Avenue  
Boise, Idaho 83713  
Tel: (800) 235-7576  
Tel: (208) 322-7800  
info@extendedsystems.com

### Benelux

IJsselsingel 42  
5215 CM 's-Hertogenbosch  
Tel: +31 (0)173 - 623 5359  
info@extendedsystems.nl

### Canada

175 Bloor Street East  
South Tower, Suite 1109  
Toronto, Ontario  
M4W 3R8  
Tel: (416) 214-9711  
info@extendedsystems.com

### France

Parc des Erables, Bâtiment 4  
66 route de Sartrouville  
78230 LE PECQ cedex  
Tel: +33 01 30 09 23 23  
info@extendedsystems.fr

### Germany

Schwarzwaldstr. 99  
71083 Herrenberg  
Tel: +49 (0) 7032 / 798 - 0  
info@extendedsystems.de

### United Kingdom

7-8 Portland Square  
Bristol BS2 8SN  
United Kingdom  
Tel: +44 (0)117 901 5000  
info@extendedsystems.co.uk

For information and a list of distributors visit our web site:  
[www.extendedsystems.com](http://www.extendedsystems.com)

