



Mobile Ajax Workshop
Research In Motion Limited : position paper

Research In Motion (RIM) is a leading designer, manufacturer and marketer of innovative wireless solutions for the worldwide mobile communications market.

Through the development of integrated hardware, software and services that support multiple wireless network standards, RIM provides platforms and solutions for seamless access to time-sensitive information including email, phone, SMS messaging, Internet and intranet-based applications.

RIM technology also enables a broad array of third party mobile data services on a very secure and reliable pipe between handheld and Servers.

Ajax in the context of blackberry

RIM has long since developed its solutions with the following goals in mind:

- Support for standard protocols and languages –Java and JavaScript.
- Optimization of standard mark-up languages (WML, cHTML, XHTML Basic, HTML, SVG tiny)
- Insuring security, reliability and manageability of products and services.
- Special consideration of constraints inherent in the mobile environment (battery, resource utilization, efficient and frugal use of communication interfaces)

RIM considers Ajax as a key enabling technology for Web2.0 applications and services.

From a business perspective the support of Ajax on Blackberry devices is envisaged to

- shorten the “time to monetize” for application development
- Address new markets and target a wide range of application developers with varying backgrounds, skills and experience including:
 - Scripters and web developers
 - Advanced ,wireless-savvy Java developers
 - Content developers and non-programmers.
- Avoid proprietary solutions and explore standard and defacto-standard development platforms

However, on its own, Ajax does not solve all the needs, does not define the complete framework and even if its integration in the browser seems pretty straightforward, its integration in a secure client-server ecosystem raises today quite some questions.

RIM will continue to evaluate the benefits Ajax across a variety of mobile dedicated and enterprise dedicated applications. The enhancement of third party services on blackberry devices is also part of the given expectations.

Aims of these investigations are to evaluate Ajax under the following tracks:

- as a “one per many” optimization feature,



- as a cross-language, cross-application tool to simplify application development
- burden and benefits of Ajax integration in a mobile device infrastructure (taking in account handheld's specific constraints)
- Security risk inherited by scripting but specific to Ajax.

As a conclusion, RIM is seeking further developments around Ajax dedicated to the constraints of mobile handset and to the control & management of end-users privacy and enterprises confidentiality.