

RIA Meets Enterprise SOA

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Rich Internet Applications

Rich Internet applications (RIA) are web applications that have the features and functionality of traditional desktop applications. RIAs typically transfer the processing necessary for the user interface to the web client but keep the bulk of the data (i.e maintaining the state of the program, the data etc) back on the application server.

http://en.wikipedia.org/wiki/Rich_Internet_application# History_of_RIAs

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Expressiveness Rich media integration Performance / Responsiveness Real time Offline Deep back-end integration Web deployment model

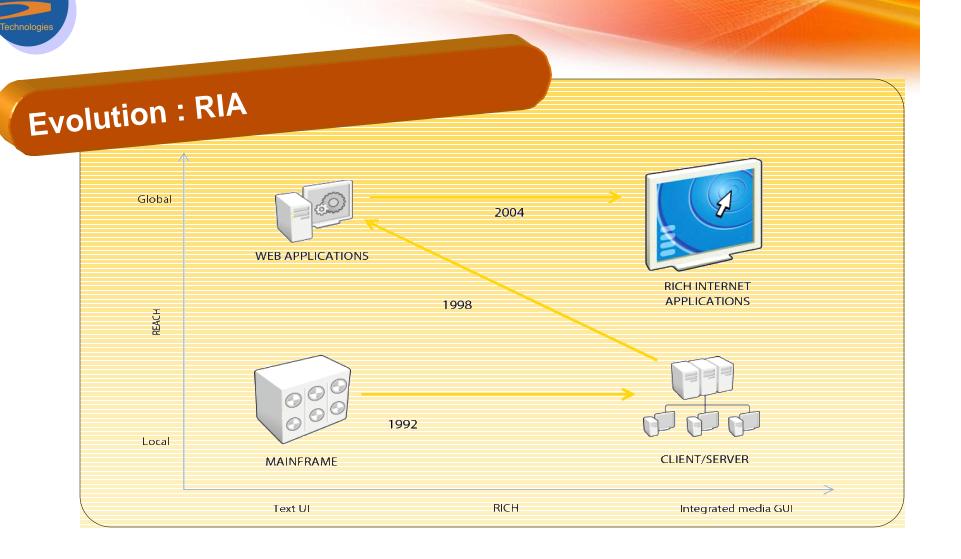
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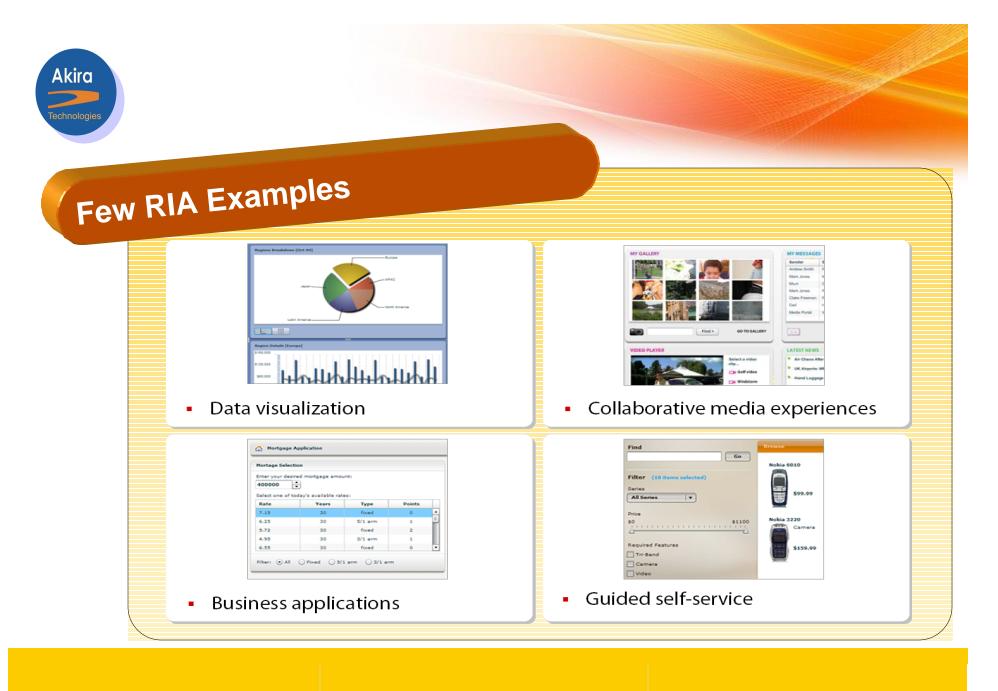
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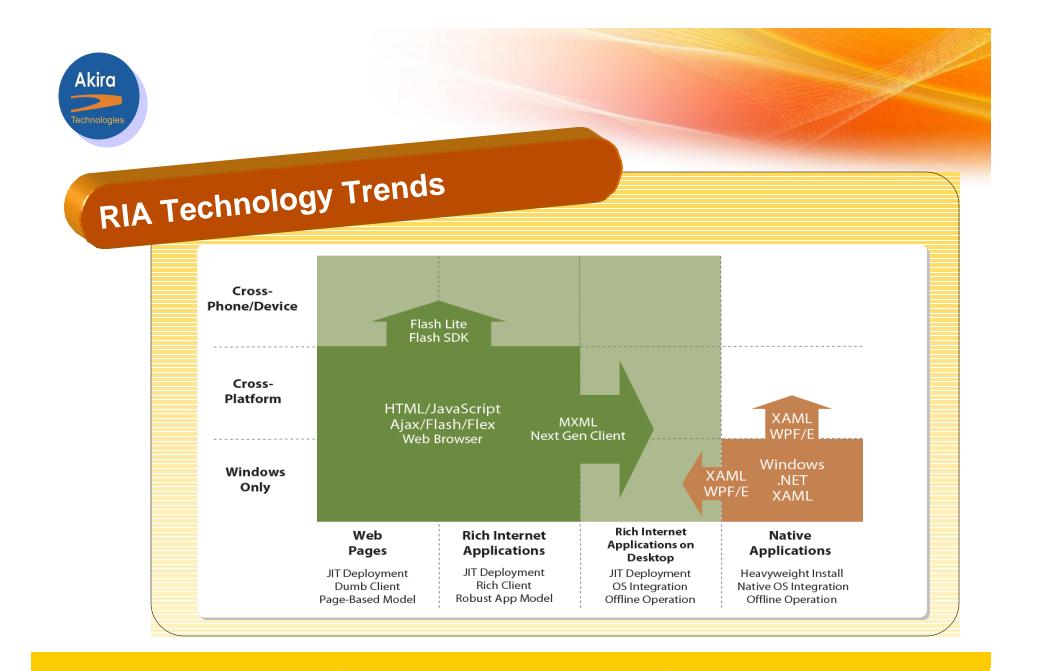
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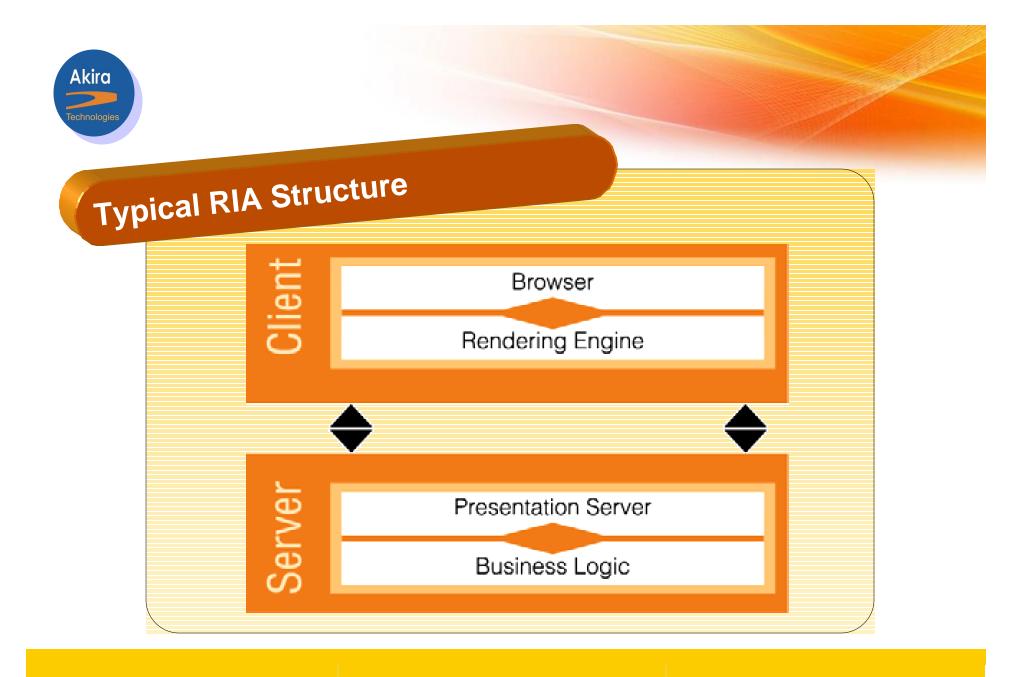




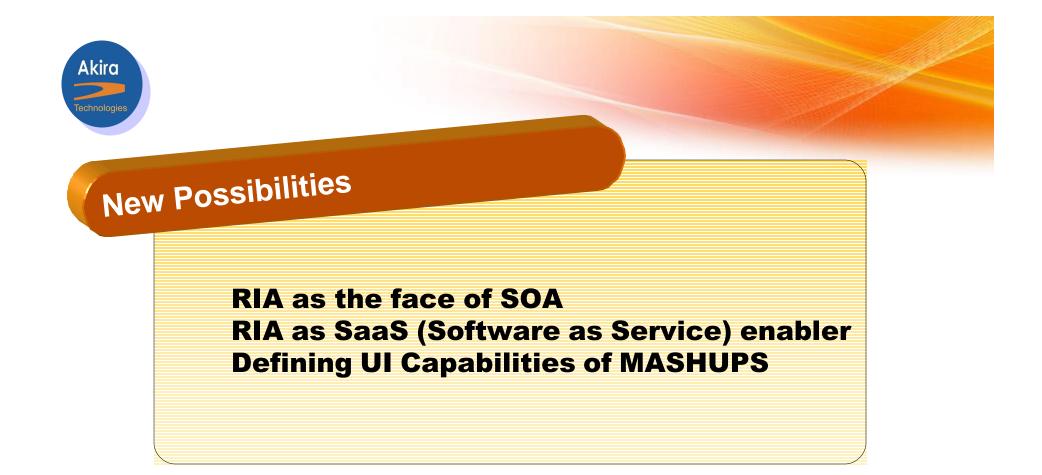
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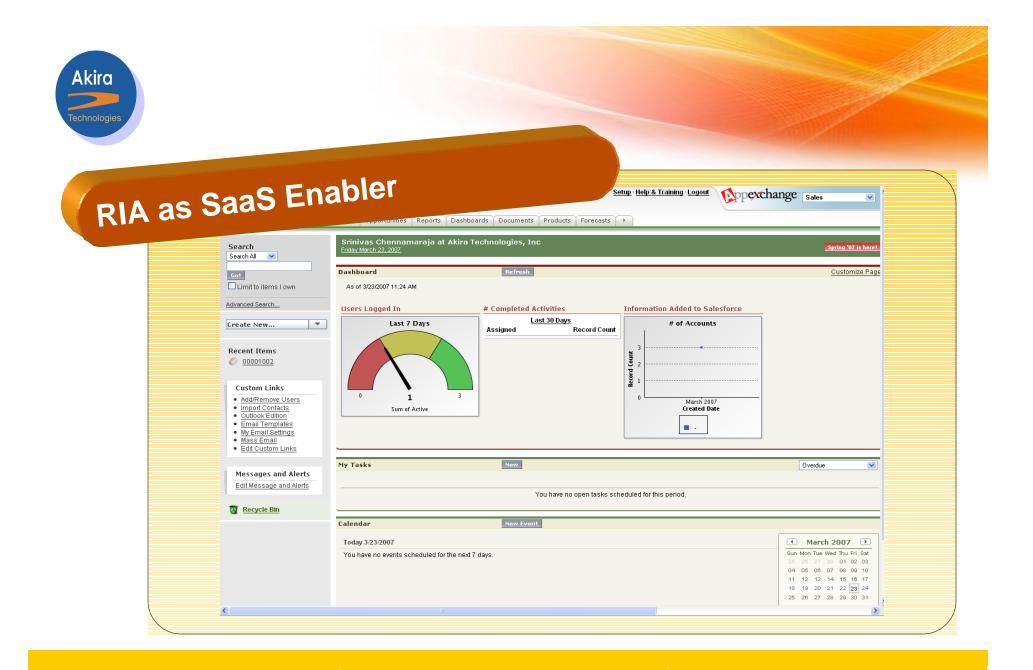


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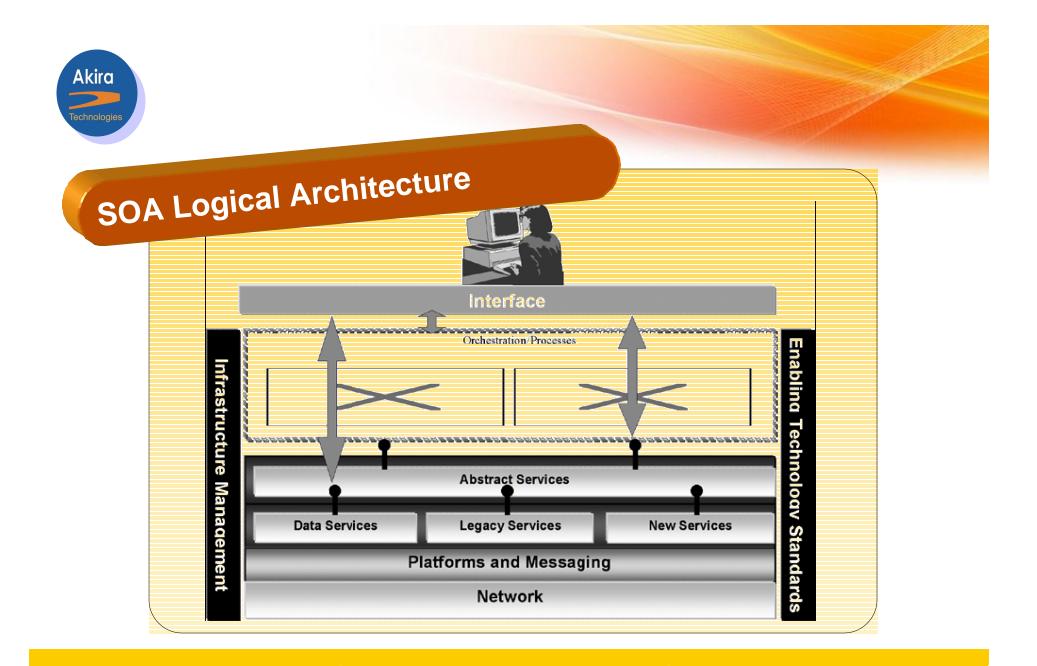


SOAs are like snowflakes No two are alike.

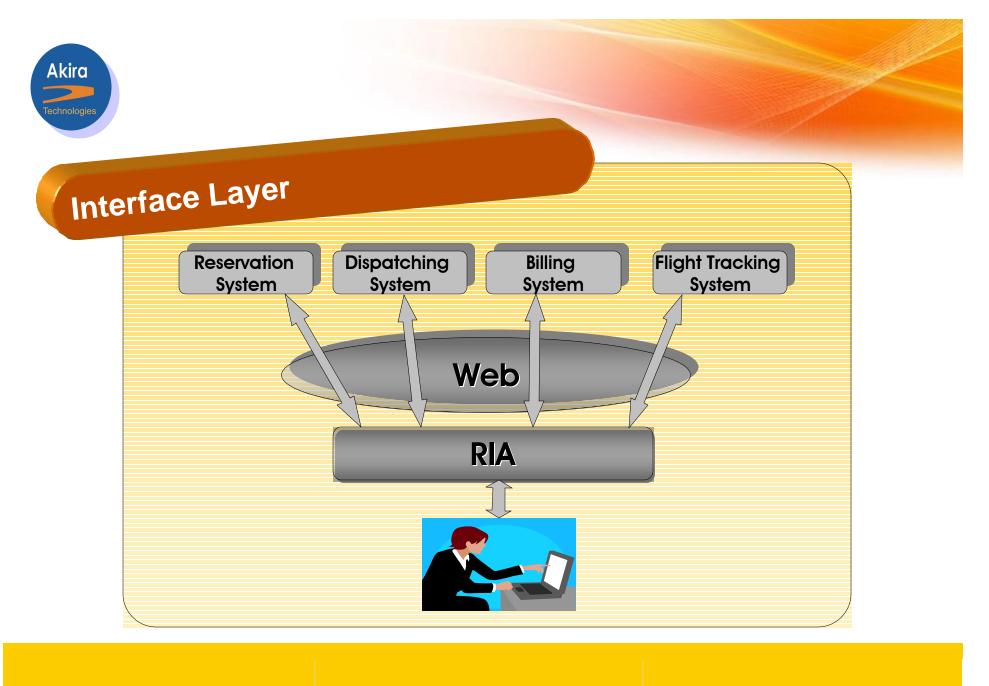
SOA is strategic framework of technology that let all interested systems, inside and outside an organization, expose and access well-defined services, and information bound to those services, that may be further abstracted to orchestration layers, composite applications, and interfaces to solution development.

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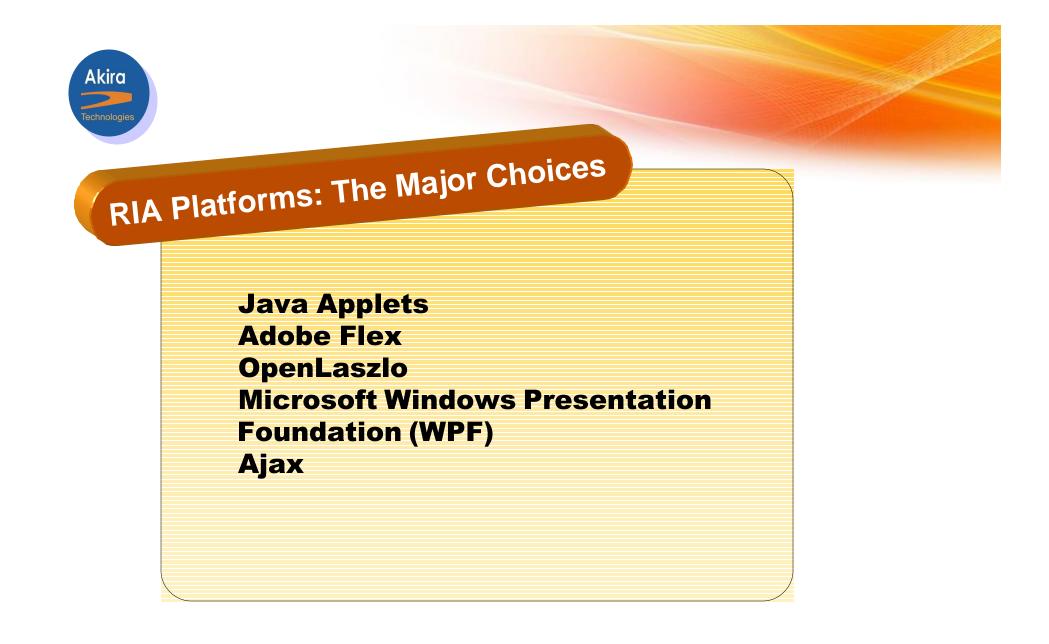
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Adobe Flex 2

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Flex 2 apps run cross-platform in a ubiquitous Flash Player 9 that's a lightweight virtual machine. The platform includes:

MXML

ActionScript 3.0 Flex Data Services

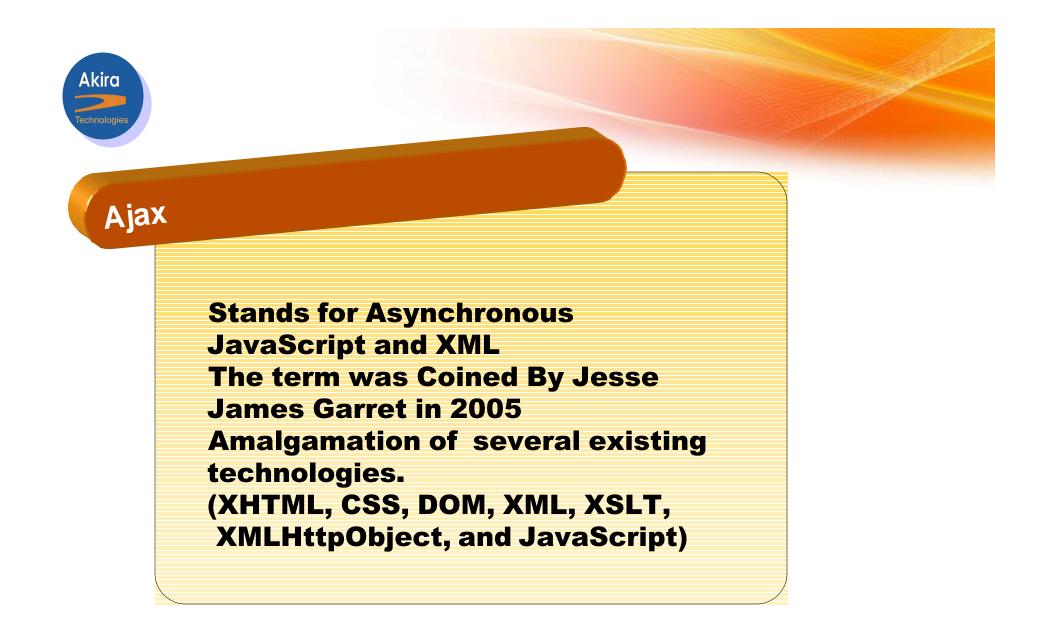
Charting and Multi Media

Components

Eclipse-based IDE

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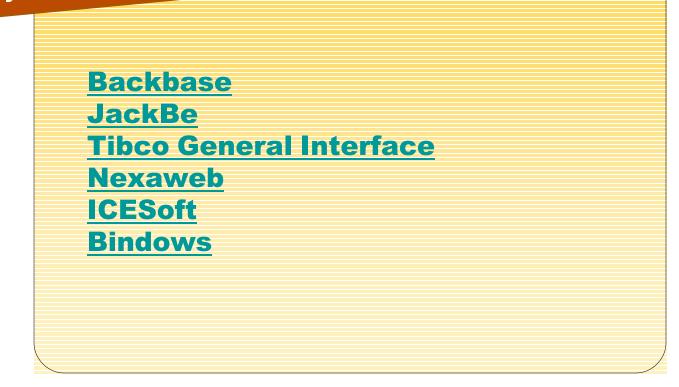
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Ajax Toolkits: Commercial





Four Aces of AJAX These four SDKs are closely matched in capabilities. The main differences lie in server-side support and fine points such as visual editing and debugging.

	Browser support	Server platforms	Visual editing tool	Debugging support			
Backbase 3.2	Internet Explorer 5+ on Windows, Firefox 0.8+ on any platform, Mozilla 1.5+ on any platform, Netscape 7.2+ on any platform, Camino 0.8+ on Mac OS X; support for Opera and Safari forthcoming	Client application works with any stan- dard Web server; additional integration with Java-based frameworks, including JSF and Struts available	Basic interactive Web page compiles and displays Backbase XML	Integrated			
Bindows 2.5	Internet Explorer 5.5+ (on Windows), Mozilla 1.4+, Netscape 7.1+, Firefox, K-Meleon, Camino, Opera (partial support); Safari support forthcoming	Static XML, HTML, and JavaScript can be delivered from any standard Web server	Basic interactive Web page compiles and displays Bindows XML	None; Firebug recommended			
JackBe NQ Sulte 4.6.1	Internet Explorer 5.5 and later, Firefox, Netscape, Safari	Basic client works with any standard Web server; forthcorning Presto will link together Web services in the server farm and translate them into JackBe's JSON protocol	Yes, Eclipse-like IDE	None; Firebug recommended			
Tibco General Interface 3.2	Internet Explorer 6 and Firefox 1.5; IE 7 support forthcoming	Web services and Tibco's Web service bus	Yes, Eclipse-like IDE	New step-through debugger for Internet Explorer; Venkman recommended for Firefox			
Source: InfoWorld							

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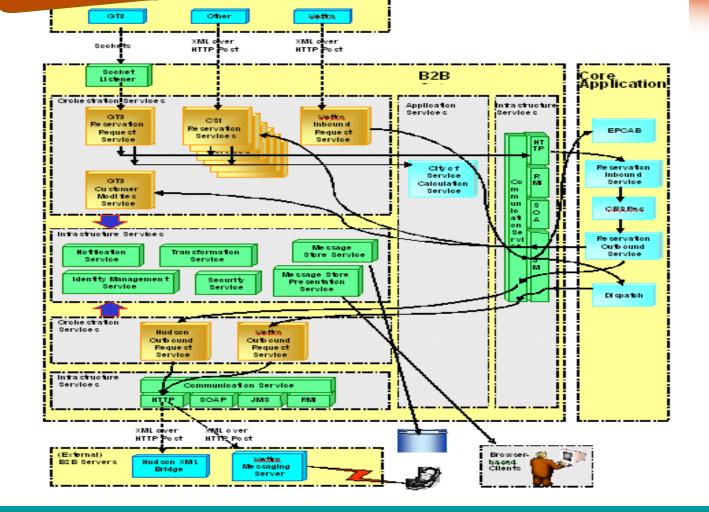
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Dojo Toolkit Google Web Toolkit (GWT) Microsoft Atlas Open Rico Yahoo Ajax Library Zimbra Kabuki

Ajax Toolkits: Open Source

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Case Study: Transportation Company

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Challenges For Enterprises

Lack of Standards Market Volatility Security Concerns Accessibility

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