M·V·C WebMaker
code free zone

RAD Platform for Web 2.0 and Cloud

The *Fastest* and *Easiest* way to
Compose Enterprise Web 2.0 and Cloud Applications

WebMaker is a code-free RAD Platform for Enterprise Web2.0 and Cloud applications. Use WebMaker's drag-and-drop Studio with a range of Palettes to create Rich and Accessible applications and publish them on-premise or cloud using a single click.

WebMaker combines the Speed and Simplicity of forms tools with the Power of bespoke development. Web applications can be composed by harnessing web services and data sources without the need for coding. This uniquely empowers Web Developers and Power Users to create end-to-end service-oriented web applications without the need for Scripting, J2EE™ or .NET™ programming skills.

Organisations are using our product to deliver web based applications such as:

- *Self-Service Websites* - Dynamic data driven accessible Web Applications and eForms

- *Enterprise Web 2.0 Mashups* - Rich, AJAX-based high transaction internal solutions

- *Contact Centre Automation* - Seamless integration of CRM, Case Management, BPM or Human Workflow solutions with existing Line of Business COTS packages

- *Application Modernisation* - Develop on-demand applications by consuming multiple legacy systems

WebMaker has a unique, codeless approach for capturing, processing, and presenting information, that integrates multiple transactional services and data sources in real time. WebMaker dramatically simplifies the development of Rich Internet Applications for Enterprise Web 2.0 and Cloud.
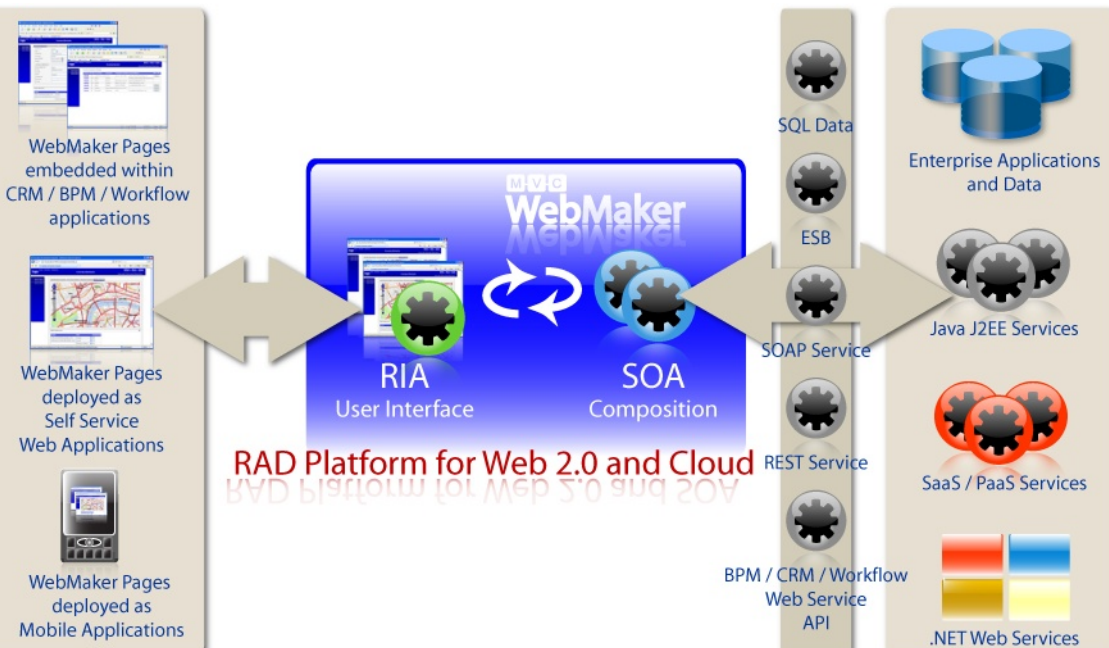
Increase productivity and reduce costs by 63%

WebMaker is an affordable product that can provide a multi-fold increase in productivity for your development and integration projects with associated reduction in cost of maintenance. WebMaker can be used to produce consistent and better engineered applications that are standards-based and easier to maintain, with the agility to keep pace with rapidly changing business models.

Protect existing investments by accessing Enterprise Systems and Data

You can use WebMaker's powerful service integration capabilities to access existing enterprise systems. These systems can be used to compose compelling web applications, including the creation of new composite applications based on existing data, protecting your valuable investments. This approach can provide significant savings compared to the replacement option.

Reduce Expensive Product Development

You can extend and Enhance enterprise applications such as CRM, BPM and COTS packages by easily and seamlessly embedding WebMaker within existing application screens. WebMaker produces 'thin' web applications, comprising XHTML, JavaScript and CSS, providing WebMaker applications with unlimited reach into enterprise applications, remote services and SaaS and PaaS platforms.

WebMaker Pages embedded within CRM / BPM / Workflow applications

WebMaker Pages deployed as Self Service Web Applications

WebMaker Pages deployed as Mobile Applications

M·V·C WebMaker

RIA — User Interface

SOA — Composition

RAD Platform for Web 2.0 and Cloud

SQL Data
ESB
SOAP Service
REST Service
BPM / CRM / Workflow Web Service API

Enterprise Applications and Data
Java J2EE Services
SaaS / PaaS Services
.NET Web Services

> *Hyfinity's solution is at the critical hotspot at the intersection of RIA and SOA, and heralds the future of rich, flexible applications created from compositions of services.*
>
> Jason Bloomberg [Zapthink]

Easily Integrate your IT Landscape

WebMaker is a RAD Platform for the composition and deployment of Enterprise Web 2.0 applications from SOA Services. Using WebMaker you can quickly access your enterprise systems and data to build truly engaging web applications.

- Integrate with SaaS and PaaS environments, including Salesforce.com® and Oracle® CRM On Demand

- Integrate and extend BPM solutions and WorkFlow, including BEA® Aqualogic® and HandySoft BizFlow®

- Integrate and extend CRM and CMS applications, including Oracle®, Lagan® and MicroSoft® SharePoint

- In fact, you can rapidly compose web applications from any standard Web Service or SQL data source

- Encourage Rapid prototyping and iterative development, enabling end-user involvement at a very early stage

- Use proven visual integration adapters for a wide range of public sector applications, including Revenues and Benefits systems from Northgate iWorld and Capita Academy, Housing systems from Northgate iWorld, Environmental Services from Mayrise™, GIS, Streetscene and Gazetteer Services from Pitney Bowes MapInfo® including Confirm®, Envinsa® & Stratus solutions as well as CAPS Uniform

About Hyfinity

Hyfinity's mission is to simplify the development of Enterprise Web 2.0 applications by automating mundane development tasks and reusing readily available information models. This is achieved through its declarative service composition technology that can be used to build Web Applications quickly and easily.

Hyfinity has worldwide OEM agreements with partners and we work with our customers and partners to ensure solutions are designed and developed rapidly without compromising quality and scalability. To learn more you can download a free copy of WebMaker and develop applications in a matter of minutes. Please contact us at www.hyfinity.com if you wish to discuss your specific project requirements.

Fast and Easy Development

Using a model-driven development approach WebMaker can automate many of the mundane development tasks associated with traditional development tools and frameworks. This makes the development process easy and more accessible to a wider range of Web Application Developers, providing:

- Automatic creation of web service proxies (provides interactions with SOA services)

- Automatic generation of web pages

- Bi-directional data binding between XHTML and XML

- Automatic creation of content-activated validation rules, providing quick and easy conditional behaviour, based on client and server-side decisions

- Accelerated development through native XML and AJAX compatibility, with plug-in capability for rich controls including maps, graphs and a wide range of third party controls

Using WebMaker's graphical drag-and-drop design studio you can compose applications and deploy them for execution without the need for complex build, compilation and deployment processes.

Develop Standards-based, flexible and accessible applications with AJAX support
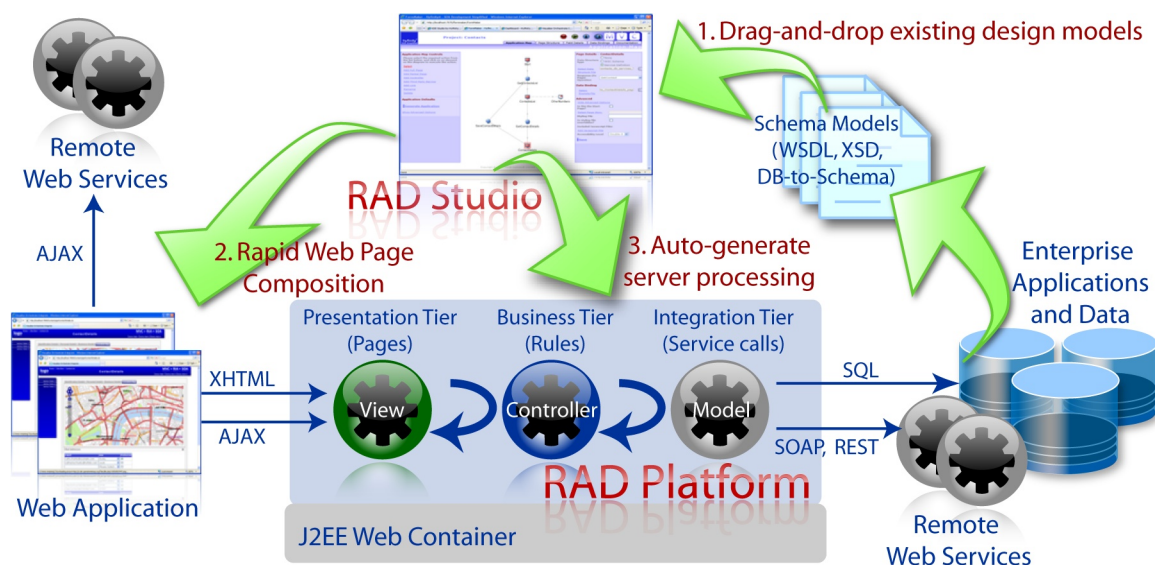
WebMaker produces standards-based web applications that comply with W3C, Section 508 and WAI Accessibility standards. Unlike many RAD tools, WebMaker provides declarative, native XML rules-based orchestration and service composition capabilities. This can be used for data validation, screen orchestration, service orchestration, information composition and general-purpose business logic development, ensuring productivity without compromising flexibility.

You can also develop AJAX applications without the need for programming knowledge. WebMaker also enables you to access a range of UI Controls from third party widgets, including Dojo, JQuery, Prototype, Google™ and Yahoo®.

Remote Web Services

AJAX

RAD Studio

1. Drag-and-drop existing design models

Schema Models (WSDL, XSD, DB-to-Schema)

2. Rapid Web Page Composition

3. Auto-generate server processing

Enterprise Applications and Data

Web Application

Presentation Tier (Pages)

Business Tier (Rules)

Integration Tier (Service calls)

XHTML

View

Controller

Model

SQL

AJAX

SOAP, REST

RAD Platform

J2EE Web Container

Remote Web Services

We have been very impressed with Hyfinity's MVC technology. It has already shown itself to be a hugely productive development environment which produces industrial strength XML applications which are capable of modification and extension in a highly effective manner. Hyfinity has arrived at just the right moment to help us deliver our global expansion plans.

Dave Moody, CTO [Lagan]

hyfinity®

WebMaker Features - Enterprise and Cloud
High Performance, Scalable, Thin Web Applications

RAD Studio – Development Tooling

- Visual application navigation map
- Data-driven UI Development using XML Schemas, WSDL files and RDBMS Schemas
- Drag-and-drop Form Studio – Easy Learning Curve
- Easy rich control setup - Grids, Tables, Tabs, etc.
- Easily plug-in 3rd Party controls - Charts, Trees, Videos and more....
- Use 3rd Party Ajax Widgets - JQuery, Prototype, EXT, Yahoo...
- Auto generated client-side data validation
- Conditional display based on data results
- Automatic error handling
- Advanced formatting capabilities
- Calendars and date handling
- Post implementation, Multi-lingual translations
- Automatic Data Bindings - Page to Services
- Automatic AJAX calls
- Fully integrated message flow and rules debugging

Architecture - Deployed Applications

- Cross Browser Support – IE, Firefox, Safari, Chrome and Opera
- Zero browser footprint - No plug-ins required
- W3C and WAI Accessibility - Double A compliance
- Open W3C Standards - XHTML, CSS, XPath, XSD, WSDL, etc.
- Simple J2EE Deployment Architecture, with one-click Publication over HTTP
- Environment Agnostic - Talk to J2EE, .NET and SOA
- Seamless Workflow - Integrate with CRM, BPM and Workflow products

RAD Platform - SOA Integration

- Composite Service-based applications
- Design and Publish - no compilation
- Highly Scalable Architecture
- XML Data-driven Declarative Business Rules (Codeless)
- Higher Level XML Machine for powerful XML manipulation
- Automated Web Service Calls from WSDLs
- Support for easy RESTful integration
- Automatic RDBMS integration using drag-and-drop
- Automatic Web Page Orchestration
- Parallel and Forward-Chaining Rules Capabilities
- Java Controllers - Easy integration with Java components and packages
- Web Service Security Support
- Runtime Dashboard – Message Tracing, Logging, Scalability, Deployment Parameters, General Application and Security Configuration

WebMaker Runtime - System Requirements, Support and Compatibility

Application Servers	WebMaker's Runtime Platform uses a lightweight J2EE architecture and resides within J2EE-compliant Web Application Servers including: • Apache Tomcat (included) • JBoss by Red Hat • Oracle WebLogic • IBM WebSphere
Operating Systems	• Microsoft Windows • SUN Solaris • IBM AIX • HP-UX • Linux
Processor	• System dependent, but single socket with two cores is licenced as standard
Disk	• Minimum 100MB disk space. This is very dependent on the type of application being developed.
RAM	• Application dependent. Typically. 0.5GB minimum.
Databases	Supports JDBC-compliant databases, including: • Oracle • MS SQL Server • IBM DB2 • MySQL • WebMaker also support RESTful APIs for all popular XML Databases
Browser Support	Supports all popular browsers, including: • Microsoft Internet Explorer • Mozilla Firefox • Apple Safari • Google Chrome • Opera

WebMaker Studio - System Requirements

Browser	Support for all popular browsers, including: • Internet Explorer (needs Adobe SVG Viewer) • Mozilla Firefox • Apple Safari • Google Chrome • Opera
Operating System	• Microsoft Windows
Processor	• Intel Pentium 4 processor or equivalent. Minimum 1GHz, single core. Recommended 2GHz, core duo.
Disk	• Minimum 250MB disk space. Recommended 500MB to enable multi-project development with import and export capabilities.
RAM	• Minimum 1GB. Recommended 2GB.
Display	• 1024x768 resolution or above. For development, a higher resolution, multi-screen layout is ideal.

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