

**Macromedia® ColdFusion MX 7  
Evaluator's Guide**

February 2005

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Macromedia, Inc.  
600 Townsend St.  
San Francisco, CA 94103  
415.252.2000

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## **Evolution of ColdFusion**

For the past ten years, ColdFusion has played a key role in the Rapid Application Development of web applications in companies around the world.

In the mid-1990s, when the web was still new, people struggled to create dynamic websites, then a complex and costly undertaking that only a limited few could accomplish. Allaire Corporation's introduction of ColdFusion in 1995 broke this barrier, enabling a broad audience to build and deploy dynamic, database-driven websites.

As organizations' reliance on the Internet began to grow, ColdFusion Enterprise Edition was released in 1998, providing companies with the scalability and reliability necessary, as web applications became strategic to businesses.

Macromedia acquired Allaire Corporation in 2001. As J2EE took on a mainstream role in enterprise applications development, organizations recognized that building Java apps was more complicated and required developers with more sophisticated skills, making them more costly and harder to find. The introduction of ColdFusion MX in 2002 solved these problems by providing the same rapid, "easy to learn/easy to use" ColdFusion programming model, while leveraging the power of the J2EE platform. In addition, ColdFusion MX introduced the fastest way to create and consume web services and also introduced an easy way for developers to use Flash as a rich presentation layer for building rich Internet applications.

Tens of thousands of companies have adopted ColdFusion because of its ability to solve such a broad range of problems – from simple, single purpose database access applications to the most demanding public-facing websites on the Internet today.

## **Introducing Macromedia ColdFusion MX 7**

Macromedia ColdFusion MX 7 is the most significant release of ColdFusion since its inception ten years ago. Still the fastest way to build and deploy powerful Internet applications, ColdFusion MX 7 introduces new, ground-breaking capabilities for developers, end users, and system administrators. Powerful new application services for creating rich Flash and XML forms; designing and generating structured business reports, and transforming dynamic web content into printable documents add up to great user experiences.

ColdFusion MX 7 breaks through several chronic problems that exist in today's Internet. It focuses on providing a more engaging, compelling user experience for the most common dynamic web application implementations.

- Printable web content – ColdFusion MX 7 introduces an easy, powerful way to dynamically transform html content into high-quality, printable pdf or Macromedia FlashPaper formats with the addition of a single tag.
- Rich, high-quality forms – ColdFusion MX7 makes it fast and easy for developers to create great-looking Flash forms and XML forms in minutes by using just a few ColdFusion tags.
- Integrated, structured business reporting – ColdFusion MX 7 reporting adds powerful, banded report design and generation capabilities, enabling developers to quickly and easily design highly structured business reports and integrate them into web applications. Now use ColdFusion to add reporting and document printing to any web application technology.

Additionally, ColdFusion MX 7 opens the door to the mobile Internet by providing an easy, powerful way to securely extend Internet applications to mobile phone users through SMS text messaging. Today, billions of mobile devices are Internet-connected, but without access to useful applications. This is because it's been too complex and expensive to create and deploy them. With the introduction of ColdFusion MX 7, developers will now be able to rapidly build and deploy these applications to extend the Internet to mobile users by using the same, familiar ColdFusion programming model.

ColdFusion MX 7 provides a way for organizations to rapidly create compelling Internet applications that solve today's business problems faster and more cost effectively than any other solution available.

### Key Benefits

**Easy to learn, develop in record time.** Becoming productive sooner and delivering applications faster reduces the total cost of Internet application development.

- ColdFusion Markup Language (CFML), the tag-based scripting language in ColdFusion, is modeled after html, making it easy to get up and running quickly – encapsulating complex actions into simple, intuitive tags. ColdFusion MX 7 boosts CFML with an array of powerful new and extended tags.
- New ColdFusion Dreamweaver extensions make it faster and easier than ever to develop ColdFusion applications using Macromedia Dreamweaver MX 2004.
- Build and consume SOAP web services in record time using CFCs (ColdFusion Components), separating business logic from presentation tier. Use CFCs in all types of applications, including html, Flash, web services, SMS, IM, and more.
- Take advantage of major updates to the already powerful set of application services in ColdFusion, including the latest Verity full-text search engine and dramatic improvements to charting and graphing.

**Provide an unparalleled user experience.** Users will increase productivity and interact with applications in superior ways.

- Build accessible, high-quality forms in minutes using the new rich Flash and XML forms capabilities. Complex, multi-step forms are now easy to create using familiar CFML tags. Easily re-skin forms across applications.
- Transform web content into well-formatted, printable PDF or FlashPaper 2 documents in the context of an application using the powerful new CFDOCUMENT capability. Easily add printing to existing applications with only a few lines of additional code.
- ColdFusion MX 7 adds powerful new business reporting capabilities to fully integrate structured business reporting inside web applications. Satisfy business reporting requirements while reducing or eliminating the need for costly third-party reporting products.

**Create a new class of applications.** Extend proven rapid application development techniques to new application types.

- ColdFusion MX 7 provides groundbreaking new capabilities enabling the creation of a new class of applications accessible through Short Message Service (SMS) text-messaging on mobile devices. SMS extends the reach of applications beyond the desktop, providing users with complete mobility.
- The Instant Messaging (IM) world is about to go through a rapid transformation where IM clients are used to interact with Internet applications. ColdFusion MX 7 makes it easy to create applications for IM known today as “bots.” Leverage “IM presence services” (the ability to know when a user is available and online) in applications to determine the current availability of a user before sending a new message. Connect to Lotus Sametime or XMPP, the emerging IM standard.

**Flexible, multi-platform deployment.** Streamline deployment and enjoy greater scalability, reliability, and security without greater cost.

- ColdFusion MX 7 provides new, flexible options for application deployment. Package an application AND the ColdFusion runtime into a single EAR for fast Java deployment. Distribute

applications as Java bytecode, without CFML source, helping protect source code investments. Easily create new application instances, delivering high availability of individual applications.

## **Macromedia ColdFusion MX 7 Customer Profiles**

ColdFusion spans the public and private sectors, typically grouped as follows:

### **Corporate intranets**

ColdFusion is widely deployed inside firewalls in a significant percentage of the world's major corporations. ColdFusion is widely adopted in these environments because of its unique ability to rapidly solve departmental problems using powerful web applications. It easily connects to other applications, databases, and technologies, making it a great choice for large corporations needing to access information from a variety of systems. ColdFusion is used to create a variety of applications solving content management, workflow, reporting, and many other common problems. ColdFusion is often used by corporate IT organizations, but is also widely used by departmental developers to solve smaller, but critical local problems.

### **Large, public websites**

ColdFusion runs some of the largest public websites on the Internet today – in finance, healthcare, manufacturing – in fact, in practically every business sector. ColdFusion, with its scalable architecture, allows companies to grow their websites to handle hundreds of millions of transactions.

### **Government agencies**

ColdFusion is the most widely deployed web application server technology in the United States Government, running more than 75% of the public-facing .gov sites. ColdFusion is particularly well suited for government use because it can solve such a wide range of problems, both in scale and complexity. It is also well suited for the public sector because of its accelerated learning curve, as government employees frequently move interdepartmentally and need to leverage their technology skills. The easy-to-learn, tag-based scripting language in ColdFusion keeps training time and costs low.

### **Small to medium-sized organizations' intranets and public sites**

ColdFusion is deployed in hundreds of thousands of small-to-medium sized companies, meeting an enormous range of application challenges. Easy configuration, deployment, and administration make ColdFusion a logical, cost-effective solution. ColdFusion is uniquely positioned to start small when companies are solving small problems and grow as needs grow. Flexible deployment options make it easy for companies to start out on simple hardware and systems, later migrating applications to larger, more powerful hardware and operating systems. ColdFusion is a cost-effective solution for mid-range companies to flourish.

### **Emerging new markets**

With the groundbreaking introduction of the event gateway enabling the creation of SMS and IM applications, new markets will emerge in areas such as SMS banking, entertainment, and others.



## Top 10 Reasons to Buy Macromedia ColdFusion MX 7

1. **Speed up the development process with intuitive, rapid server scripting.** ColdFusion is the easiest and fastest development environment to learn and become productive. Rapidly build and deploy applications in record time.
2. **Add powerful capabilities easily with integrated application services.** Easily add common, powerful features including full-text searching, charting and graphing, rich forms generation, structured report generation, printable web content, high-performance email generation, and Flash integration – using powerful, native ColdFusion application services.
3. **Integrate with a broad range of enterprise systems.** Connect to enterprise databases using type-4 wire-speed drivers, access Java, COM, and CORBA objects, access .NET via web services, and easily access JSP, Servlets, or EJBs.
4. **Deploy flexibly.** Deploy ColdFusion on Windows, Linux, or Unix. Leverage the power of J2EE by deploying on leading J2EE platforms including IBM WebSphere, BEA WebLogic, SunONE, or JRun.
5. **Create printable web content.** Dynamically transform web content into high-quality printable, portable documents in PDF or FlashPaper 2 formats using a single tag.
6. **Generate structured business reports.** Design and generate high-quality, structured business reports otherwise only possible using expensive, third-party reporting products. Provide users access to important business data in easy-to-understand formats.
7. **Develop new classes of applications with SMS and IM gateways.** Use the extensible gateway architecture in ColdFusion MX 7 to build new classes of applications accessed through mobile phones using SMS text-messaging (Short Message Service), Lotus Sametime Instant Messaging (IM), and XMPP Jabber IM.
8. **Increase productivity with advanced development capabilities.** Use ColdFusion Components (CFCs) to separate business logic from presentation tier and easily create web services. Integrated session management, incremental page delivery, JSP, Servlet, and EJB support are only the beginning of the advanced features available.
9. **Deploy high-performance applications.** Standards-based J2EE architecture leverages the power of the J2EE platform. In addition, page compilation, database connection pooling, and data caching make ColdFusion a high-performing, scalable solution.
10. **Proven globally.** ColdFusion is a mature, proven technology successfully adopted by tens of thousands of companies around the world.

## Top 10 Reasons to Upgrade to Macromedia ColdFusion MX 7

1. **Generate structured business reports.** Easily design and generate high-quality, repeating group, structured business reports and populate them dynamically in the context of web applications.
2. **Build rich, high-quality forms.** Create rich forms displayed in Flash in minutes using just a few ColdFusion tags. Re-skin forms easily across applications using XML forms.
3. **Create printable web content.** Dynamically transform web content into high-quality printable, portable documents in PDF or FlashPaper 2 formats using a single tag.
4. **Develop new classes of applications.** Move beyond http and create groundbreaking new interfaces to mobile phones using SMS text messaging, IM using XMPP (the emerging IM standard), and other Internet protocols.
5. **Develop faster with Dreamweaver MX 2004.** Become more productive by using the new ColdFusion Extensions for Dreamweaver MX 2004 to rapidly build applications.
6. **Achieve new levels of high availability.** Use the ColdFusion Enterprise Manager to create individual instances of ColdFusion, isolating individual applications and administration. Administer ColdFusion programmatically using new Admin APIs.
7. **Deploy on J2EE faster.** Package an application AND the ColdFusion runtime into a single Java archive (EAR or WAR) for fast, easy deployment on leading J2EE servers.
8. **Protect source code investments.** Compile .cfm files into Java bytecode to distribute and execute without the visible source .cfm files being present.
9. **Search with new power.** Boost searching with the latest Verity technology, enabling highlighted search terms, searching within a results set, spelling suggestions, and hierarchical category searching.
10. **Render rich charting.** Produce clean, crisp charts and graphs with over 200 different modifiable attributes to control animation, colors, labels, and more. Include charts and graphs within dynamic business reports.

## New Features and Benefits Overview

*Users will increase productivity and interact with applications in superior ways.*

### Great User Experience

Feature	Benefit
<b>Printable web content</b>	Dynamically transform existing html content into PDF or FlashPaper 2 format to produce print-quality output, including headers and footers, multiple page sizes, orientations, the ability to save output to disk or email, and more.
<b>Structured business reports</b>	Integrated business reporting provides high-quality, structured reports, otherwise possible only using expensive third-party reporting products. Users will have unprecedented access to important business data in a format that is easily understood.
<b>Flash forms</b>	Create and maintain rich, complex multi-step forms easily, providing users with easy-to-use, easy-to-understand forms.
<b>XML Forms</b>	Separate logic from presentation with the new CFFORM feature, allowing look-and-feel as well as complex form functionality to be easily shared, reused, and revised across sites.
<b>Flash form controls</b>	Use rich Flash form controls not available in regular html such as data grids, tree controls, and calendars.
<b>New CFCHART engine</b>	Produce high-quality charts and graphs with over 200 different modifiable attributes to control animation, colors, labels, and more.
<b>Ready-to-use chart styles</b>	Use pre-defined chart styles for professional looking charts and graphs or create new styles for use across multiple charts and graphs.
<b>Improved text searching capabilities</b>	The latest version of the Verity full-text search engine is included in ColdFusion MX 7. Among many new, powerful features are hierarchical category searching, spelling correction suggestions, highlighted search results, and better search result data.

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*Becoming productive sooner and delivering applications faster reduces the total cost of Internet application development.*

<b>Rapid Development</b>	
<b>Feature</b>	<b>Benefit</b>
<b>Dreamweaver extensions</b>	Extend Dreamweaver MX 2004 with powerful features for ColdFusion development including integrated datasource management, <i>cform</i> design support, ColdFusion Component recordsets, a powerful login creation wizard, and more.
<b>Improved form validation</b>	Perform more powerful data validation and allow validation to be performed at the form field level, on submission by the browser, on the server, or any combination of the three.
<b>Parameter validation</b>	The same powerful validation used in forms can be used for all ColdFusion variables with validation added to the <i>cfparam</i> tag.
<b>Strong encryption</b>	ColdFusion now uses the Java security model enabling integration with third-party security products.
<b>Integrated NT Domain authentication</b>	ColdFusion login tags can now directly authenticate users in a Microsoft Windows NT Domain.
<b>Improved XML functionality</b>	DTD and schema validation, and XML decision functions are now included.
<b>In-memory query metadata support</b>	The powerful ColdFusion in-memory query feature has been enhanced to support metadata in queries created with the <i>queryNew</i> function.
<b>Debugging improvements</b>	The new <i>cftimer</i> tag allows developers to see execution time between lines of ColdFusion code as it executes on the server.
<b>Cross-site scripting attack prevention</b>	New <i>scriptProtect</i> attribute of the <i>cfapplication</i> helps protect against cross-site scripting attacks.
<b>Application event traps</b>	Now trap and respond to application, request and session events.
<b>Enhanced web services support</b>	Finer grain controls are now available enabling applications to have full access to SOAP headers, more control over WSDL creation, and more.

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*Streamline deployment and enjoy greater scalability, reliability, and security without greater cost.*

<b>Flexible Deployment</b>	
<b>Feature</b>	<b>Benefit</b>
<b>Enterprise Manager</b>	Enterprise Manager provides support for clustering and for creating multiple ColdFusion server instances on a single machine. Experience highly available, secure, and performance optimized applications - without the additional hardware and software expense of separate physical servers.
<b>EAR/WAR deployment</b>	Moving ColdFusion applications into production in J2EE environments has never been easier. Deploy an application AND the entire ColdFusion runtime as a standard Java archive (EAR or WAR file)
<b>Sourceless deployment</b>	ColdFusion applications packaged as J2EE archives can optionally omit unencrypted CFML source allowing applications to be redistributed helping protect intellectual property.
<b>Administrator API</b>	Programmatically perform tasks, such as datasource management, which previously required direct browser access to the ColdFusion administrator.
<b>License usage scanner</b>	ColdFusion can scan an IP subnet to produce a report of other ColdFusion servers running on networks to assist in license management and compliance.

*Extend proven rapid application development techniques to groundbreaking application types.*

**New Classes of Application Development**

<b>Feature</b>	<b>Benefit</b>
<b>SMS gateway</b>	ColdFusion applications can interface with SMS-enabled mobile telephones. AT&T Certified.
<b>Lotus Sametime gateway</b>	ColdFusion applications can interface with the Sametime instant messaging system.
<b>XMPP gateway</b>	ColdFusion applications can interface with standard XMPP protocol-based instant messaging systems.
<b>File system gateway</b>	ColdFusion applications can respond directly to events occurring on server file systems such as files being uploaded, deleted, renamed, etc.
<b>CFML asynchronous gateway</b>	Build multi-threaded, asynchronous applications.
<b>Extensible gateway architecture</b>	Developers can create event gateways to allow ColdFusion applications to respond to events from a nearly limitless variety of emerging protocols.

## **Macromedia ColdFusion MX 7 Event Gateways**

*ColdFusion moves beyond the web to mobile phones, instant messaging, and more.*

ColdFusion MX 7 introduces Event Gateways, a powerful new feature that allows ColdFusion applications to interact with more than just web browsers and web services. Using the same, easy-to-use CFML used to create web applications today, developers can now build gateway applications that can interact with a host of other protocols common in today's networked world. Developers can create their own gateways or build applications using the several pre-built gateways available in the product.

### **Short Message Service**

One particularly powerful and exciting gateway included in ColdFusion MX 7 is for creating SMS applications.

Short Message Service (SMS) is a way to send short text messages to and from wireless devices such as mobile phones, PDAs, and pagers. The Associated Press [reported](#) in September 2004 that the world will have almost two billion mobile telephone users by 2006. In China alone, new subscribers are rising by four to five million a month. While SMS applications can be built today with complex Java on highly customized servers, event gateways will allow developers to leverage the productivity of ColdFusion and bring applications to this vast new market with unparalleled ease. ColdFusion SMS applications let end-users use cell phones to interact with applications such as:

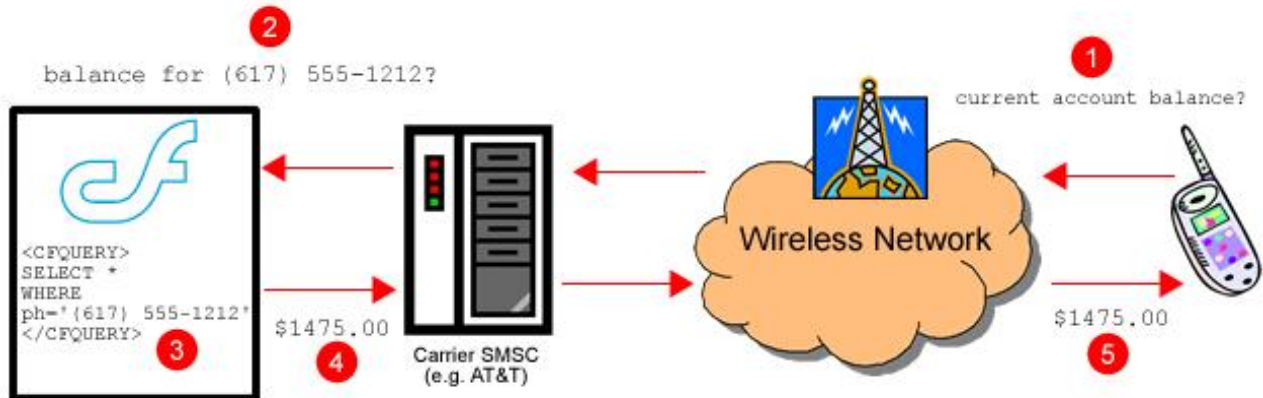
- SMS banking, where customers can receive alerts, perform account transfers, pay bills, and more
- Notification of events such as package shipments or restaurant table availability
- Voting, such as popularity voting for reality television shows
- Remote interaction with traditional web applications, such as approving a purchase order when not in the office

SMS applications are secure; traffic between the server and the mobile device is encrypted as part of the technology's standard, and it features built-in authentication verification. Finally, it works with the devices that users already own; there is nothing to install on the client.

A ColdFusion SMS application involves: the ColdFusion server, a carrier's short message service center (SMSC), and the user's device, such as a mobile phone.

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The development process resembles steps like this:



1. The developer codes and tests the application on the ColdFusion server using the built-in SMSC test server and cell phone emulator included in ColdFusion MX 7.
2. An account is opened with an SMSC from a wireless carrier such as AT&T.
3. The carrier will associate the account with a telephone number or short code and location of the ColdFusion server.
4. When a message comes from an end-user's telephone to that number or short code, the SMSC sends it to the ColdFusion SMS event gateway using short message peer-to-peer-protocol (SMPP) over TCP/IP.
5. ColdFusion processes the request, using ordinary CFML, and sends a response back through the SMSC to the originator's phone.



### Instant Messaging

ColdFusion MX 7 includes two ready-to-use Instant Messaging (IM) gateways including an XMPP (Extensible Messaging and Presence Protocol) gateway and a Lotus Sametime gateway enabling connectivity to IBM's popular Lotus Sametime™ IM product. Building applications that interact with IM can take advantage of IM presence services, enabling an application to be aware of an IM user's state – whether a user is online, active, inactive, etc. This useful piece of information can help developers build process-flow applications that route transactions to people based on their current availability. Another useful IM capability is the ability to push a message to a user. This data-push capability enables applications to be able to notify users upon selected events.

A simple example may help clarify the IM application opportunity better. Today, the use of telephone IVR systems enable callers to be routed to call queues based on a selection of IVR menu choices. Using IM, a new breed of customer interaction applications can emerge using IM to perform similar functions that IVR systems provide today. Using ColdFusion MX 7, developers can create applications that will interact with customers using IM, enabling customers to select from simple menu trees, routing an IM customer service interaction to an available, qualified service representative. This application provides an improved customer experience – a faster way to get connected to a service rep. The application also improves companies' interactions with customers by enabling a service rep to simultaneously interact with multiple customers.

### Building Custom Gateways

Because event gateways provide a generalized asynchronous messaging mechanism, they can be used with many kinds of event or messaging resources. ColdFusion MX 7 includes gateways (either product quality, or lighter weight example gateways) for communicating between ColdFusion applications and the following types of resources:

1. Mobile phones and other devices that support short messaging services (SMS)
2. XMPP or Lotus Sametime™ Instant Messaging (IM) clients
3. Java Sockets (which enable ColdFusion applications to communicate with TCP/IP-based devices and programs, such as Telnet terminal clients)
4. Java Messaging Service (JMS) resources, such as storefront sales order handling systems
5. File Systems to allow ColdFusion to react to server events such as documents being uploaded or deleted as may be common in content management system applications

In addition to the gateways included with ColdFusion MX 7, developers can create their own gateways to interact with a host of other protocols common in today's networked world. New gateways can be written using Java and can handle any event or messaging technology supported by the Java runtime or by third-party providers. This extensibility opens up a significant new opportunity for the use of ColdFusion in innovative new ways, solving new classes of problems.

## **Macromedia ColdFusion MX 7 Reporting**

Macromedia ColdFusion MX 7 reporting adds integrated business reporting capabilities to ColdFusion, providing unprecedented access to important business data. This new capability enables high-quality, structured reports to be fully integrated into web applications, providing users with well formatted data that is easy to understand, print, and email.

Design well-structured, repeating-group report templates quickly and easily with the ColdFusion Report Builder tool. Generate reports within applications in PDF, Macromedia FlashPaper 2, or Excel format, built specifically for viewing documents on the web. Whether creating standard, batch-oriented reports or enabling users to generate reports on the fly, ColdFusion MX 7 reporting offers users unparalleled, structured business reporting power, otherwise only possible using expensive, third-party reporting products.

### **Design pixel-perfect reports quickly and easily**

- Use the powerful ColdFusion Report Builder to design crisp, well-formatted reports. Include charts and graphs; automatically generate subtotals and totals, and much more.
- Manipulate report data within report definitions using ColdFusion expressions and functions.
- Easily test reports within Report Builder by accessing ColdFusion data sources on ColdFusion servers.
- Increase collaboration with unlimited seats of the ColdFusion Report Builder with the purchase of ColdFusion MX 7.

### **Dynamically generate integrated reports within ColdFusion applications**

- Provide users a fully integrated reporting experience by invoking reports within the context of an application.
- Use ColdFusion queries to create exactly the data needed for a dynamic report. Pull data from anything ColdFusion can access including UDFs, CFCs, web services, XML, databases, etc.

### Deliver reports in useful, familiar formats

- Create reports in the familiar PDF format or generate reports in Macromedia FlashPaper 2 format, providing a light-weight, portable format for web users to easily view documents in any browser using only Macromedia Flash Player.
- Generate and save reports to disk for reuse and portability. Easily add the ability to email reports from within applications.
- Meet important Section 508 accessibility requirements enabling individuals with disabilities to use reports.

## Integrating Macromedia ColdFusion MX 7 with other Macromedia products

### Working with Macromedia Flex

Macromedia Flex presentation server offers a familiar, standards-based programming framework and powerful set of building blocks for creating a richer, more responsive presentation tier for enterprise applications. The ability of ColdFusion to easily integrate with nearly any back-end resource, such as a database, email server, file system, or web service, makes it an ideal match for Flex. Using Flex and ColdFusion together, developers can create well-designed, structured, n-tier applications that leverage the back-end power and productivity that is uniquely ColdFusion, coupled with the front-end usability that is uniquely Flash. Adding ColdFusion to a Flex solution provides rich reporting and printing capabilities to applications.

### Working with Macromedia Flash MX 2004

In addition to the powerful Flash Remoting capabilities already available in ColdFusion MX, ColdFusion MX 7 adds the ability to easily create rich Flash forms, solving complex, multi-step forms problems. HTML form maintenance is a time-consuming and tedious task, but creating Flash forms is fast and intuitive for a ColdFusion developer. New Flash form controls (not available in regular HTML) such as data grids, tree controls, and calendars are also available in ColdFusion MX 7, and can easily be used within the *cfform* tag to add rich controls to your applications.

### Working with Macromedia Dreamweaver MX 2004

Macromedia Dreamweaver MX 2004 provides a compelling development environment for building and testing ColdFusion applications. ColdFusion MX 7 provides new extensions for Dreamweaver MX 2004 with powerful features for ColdFusion development including integrated data source management, *cfform* design support, ColdFusion Component recordsets, a powerful login wizard, and more. Used together, Dreamweaver and ColdFusion provide an efficient, rapid development environment for building powerful web applications.

## **Product and Company Facts**

### **Pricing and availability:**

ColdFusion MX 7 is available in two major editions:

- Standard Edition: \$1299 2 CPUs (Note change from MX 6.1 which was licensed per-server)
- Enterprise Edition: \$5999 per 2 CPUs

ColdFusion MX 7 is available in English and Japanese for commercial purchase.

Upgrade pricing is available for all ColdFusion MX and ColdFusion MX 6.1 customers.

#### **Trial Version Restrictions**

- Full Enterprise feature set for 30 day time limit – after 30 days, becomes a Developer Edition installation
- CFDOCUMENT and CFREPORT output (PDF, FlashPaper, etc.) watermarked
- Charts (swf, jpg, png, etc.) watermarked

#### **Developer Edition Restrictions**

- CFDOCUMENT and CFREPORT output (PDF, FlashPaper, etc.) watermarked
- Charts (swf, jpg, png, etc.) watermarked
- Access restricted to localhost plus 2 IPs

## **Distribution**

Macromedia ColdFusion MX 7 is available worldwide and on the web through standard software distribution channels and mail order. Visit [www.macromedia.com/software/coldfusion](http://www.macromedia.com/software/coldfusion) to purchase from the Macromedia website.

## **Sales Contacts**

<b>Location</b>	<b>Phone</b>
United States	(800) 358-9370
Outside of United States	(858) 847-7900
Toll Free United Kingdom	0800-9173-481
Toll Free France	0800-918-222
Toll Free Germany	0800-182-9477
Toll Free Italy	800-785-990

Hours: 6:00am - 5:00pm PT, Monday - Friday.

### System Requirements

#### Windows (Standard and Enterprise)

- Intel Pentium II processor or higher
- 512 MB RAM
- 500 MB hard-disk space
- 2000 Server SP3 or higher
- 2000 Advanced Server, 2000 Datacenter Server
- 2003 Web Edition, 2003 Standard Edition, 2003 Enterprise Edition
- 2000 Professional SP3 or higher (1)
- XP Professional, XP Home (1)

#### Linux (Standard and Enterprise)

- Intel Pentium II processor or higher
- 512 MB RAM
- 500 MB hard-disk space
- Red Hat Linux AS & ES 2.1 or 3.0
- SuSE Linux Enterprise Server 8x
- TurboLinux 8 Server (Japanese Only)

#### UNIX

- SPARC, PA-RISC 1.1 or 2.0, or POWER/3 processor
- 512 MB RAM
- 500 MB hard-disk space
- Sun Solaris 8, 9, or 10
- IBM AIX 5L 5.1 (2)
- Apple Mac OS 10.3 (1)

#### Supported Application Servers

- Macromedia JRun 4, Updater 4 or higher
- IBM WebSphere Application Server – Express, Version 5.1
- IBM WebSphere Application Server, Version 4, 5.0, 5.0.2, 5.1
- IBM WebSphere Application Server – Network Deployment, Version 5.0, 5.0.2, 5.1 Non-Clustered, Single Server Only (3)
- IBM WebSphere Application Server for Developers 5.0
- BEA WebLogic Server 7, 8.1

1 For development purposes only.

2 AIX support for WebSphere application server only

3 Vertical and horizontal clustering not supported. Use of the Network Deployment console for deployment of ColdFusion applications is also not supported.

### **About Macromedia, Inc.**

Macromedia is motivated by the belief that great experiences build great businesses. Our software empowers millions of business users, developers, and designers to create and deliver effective, compelling, and memorable experiences – on the Internet, on fixed media, on wireless, and on digital devices.

### **Company Headquarters**

Macromedia Inc.  
600 Townsend Street  
San Francisco, CA 94103  
(415) 252-2000  
Customer Service: 800-470-7211  
[www.macromedia.com](http://www.macromedia.com)

### **Trademarks**

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