# macromedia® COLDFUSION®MX 7

## The fastest, easiest way to build and deploy powerful Internet applications.

Macromedia ColdFusion MX 7 from Adobe makes Internet application development and deployment faster and easier than any other solution available today. Create applications featuring powerful services for business reporting; delivering engaging, cross-platform, rich Internet applications (RIAs); printable document generation; rich forms; full-text search; and graphing and charting. Run natively on industry-standard J2EE application servers and easily extend or integrate with other Java™ applications, connect to enterprise data and applications, create or consume web services, or interface with SMS on mobile devices or instant messaging clients.

### Top new features

- Structured business reports
- PDF document generation
- Flex 2 Integration
- Rich, high-quality forms
- Enterprise Manager
- SMS text messaging
- Instant messaging
- J2EE package and deployment

## Provide unparalleled user experiences

Users will be more productive when they interact with applications.

**Printable web content—**Transform web content into well-formatted, printable Adobe PDF or Macromedia FlashPaper™ 2 documents with the powerful new CFDOCUMENT capability. Users will now be able to print, e-mail, or save web content as rich documents. Easily add printing to existing applications with only a few lines of extra code.

**Structured business reports—**Easily design and generate dynamic high-quality, repeating group, structured business reports that fully integrate into web applications. Provide users with well-formatted data that is easy to understand, print, and e-mail in popular formats including PDF or Excel, and reduce or eliminate the need for costly third-party reporting products.

**Adobe Flex™ 2 integration—**Easily create expressive and interactive web applications that can reach virtually anyone on any platform. ColdFusion Extensions for Flex Builder™ 2 and new ColdFusion server features make it fast and easy to create rich, data-driven Internet applications that combine the flexibility and ease of use of an intelligent desktop application with the broad reach of traditional web applications.

## Rapidly learn, build, and deploy

Becoming productive sooner and delivering applications in J2EE environments faster reduces the total cost of Internet application development.

**Easy to learn, develop in record time—**ColdFusion MX 7 adds an array of powerful, new, and extended ColdFusion Markup Language (CFML) tags. By encapsulating complex actions into simple, intuitive tags, the scripting language in ColdFusion, modeled after HTML, makes it easy to get up and running quickly.

**Leverage object-based component architecture—**Combine the rapid development of ColdFusion with the code reuse and encapsula-

tion benefits of an object-oriented language by using ColdFusion components (CFCs). Build and consume SOAP web services, separate business logic from the presentation tier, provide data to Flex applications, and more—all in record time.

**Deploy high-performance Java applications—**The standards-based J2EE architecture of ColdFusion MX 7 leverages the power of the J2EE platform. Page compilation, database connection pooling, and data caching make ColdFusion a high-performing, scalable solution on industry leading J2EE servers like IBM® WebSphere and BEA WebLogic.

## Create a new class of applications

Move beyond HTTP and create groundbreaking new interfaces to mobile phones using SMS text messaging, IM using Lotus® Sametime or XMPP (the emerging IM standard), and other Internet protocols.

**Instant messaging—**Easily create instant messaging–accessible applications that provide access to the full set of IM services, including presence awareness, buddy lists, and more. Natively connect to Lotus Sametime, Google, and XMPP, or extend and connect to other popular IM technologies.

**SMS text messaging—**Create a new class of applications accessible through SMS text messaging (Short Message Service) on mobile devices. SMS extends the reach of applications beyond the desktop, providing users with complete mobility.

**Asynchronous processing—**Greatly improve users' experience with complex applications by processing long-running tasks in individual threads. With the CFML event gateway, users no longer have to wait for lengthy batch processes to complete before moving on to other tasks within an application.

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## System Requirements

**Windows® (Standard and Enterprise)**
• Intel® Pentium® II processor or higher
• 512MB RAM
• 500MB hard-disk space
• Windows 2000 Server SP3 or higher
• Windows 2000 Advanced Server, 2000 Datacenter Server
• Windows 2003 Web Edition, 2003 Standard Edition, 2003 Enterprise Edition
• Windows 2000 Professional SP3 or higher [2]
• Windows XP Professional, XP Home [2]

**Linux® (Standard and Enterprise)**
• Intel Pentium II processor or higher
• 512MB RAM
• 500MB hard-disk space
• Red Hat® Linux AS and ES 2.1 or 3.0
• SuSE Linux Enterprise Server 8x
• TurboLinux 8 Server (Japanese only)

**UNIX® (Enterprise Edition only)**
• SPARC®, PA-RISC 1.1 or 2.0, or POWER/3 processor
• 512MB RAM
• 500MB hard-disk space
• Sun® Solaris® 8, 9
• IBM® AIX® 5L 5.1 [ 1 ]

**Macintosh (Standard and Enterprise)**
• PowerPC
• 512MB RAM
• 500MB hard-disk space
• Apple Mac OS X 10.3.9, 10.4.2, and 10.4.3

**Supported Application Servers**
• Macromedia JRun™ 4 (Updater 4 and higher)
• 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
• IBM WebSphere Application Server for Developers 5.0
• BEA WebLogic Server 7, 8.1
• Oracle Application Server 10g

Complete product system requirements and recommendations are available at *http://www.adobe.com/products/coldfusion/productinfo/systemreqs/.*

[1] AIX support for WebSphere application server only.
[2] Recommended for development purposes only.

To purchase in the United States or Canada, visit *http://www.adobe.com/products/coldfusion/buy/* or call 888-649-2990.

Outside the U.S. and Canada, visit *www.adobe.com/international* to find the Adobe office or authorized distributor nearest you.

**Better by Adobe™**

## Great user experience

**Structured business reports**—Integrated business reporting provides high-quality, structured reports, otherwise possible only using expensive third-party products. Users have unprecedented access to important business data in a well-structured format that is easily understood.

**Flex 2 integration**—The combination of the rich user experience of Flex 2 and the productivity of ColdFusion MX 7 provides the fastest, easiest way to create rich Internet applications. Simple-to-use wizards in the ColdFusion Extensions for Flex Builder 2 generate complete data-driven RIAs, and server-side features give developers easy access to ColdFusion components from within Flex.

**Printable web content**—Dynamically transform existing HTML content into Adobe PDF or other formats to produce print-quality output that can be viewed in a browser, saved to disk, or e-mailed.

**Rich forms**—Build accessible, high-quality forms in minutes using the new rich Adobe Flash® and XML forms capabilities. Use familiar CFML tags to easily create complex, multi-step forms. Re-skin forms across applications.

**Charting**—Produce high-quality charts and graphs with over 200 different modifiable attributes to control animation, colors, labels, and more.

**Full-text search**—The latest version of the Verity full-text search engine adds hierarchical  category searching, spelling correction suggestions, highlighted search results, better search result data, and more.

## Flexible deployment

**Enterprise manager**—Easily create multiple 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.

**J2EE package deployment**—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).

**Sourceless deployment**—ColdFusion applications packaged as J2EE archives can optionally omit unencrypted CFML source, allowing applications to be redistributed and helping protect intellectual property.

**Administrator API**—Programmatically perform administrative tasks, such as datasource management, which previously required manual access using the ColdFusion administrator.

## Language enhancements

**Application event handling**—Applications can now detect and respond to the start or end of applications, sessions, and requests.

**Improved form validation**—Perform more powerful data validation at the form field level, on submission by the browser, on the server, or any combination of the three.

**Integrated NT domain authentication**—ColdFusion login tags can now directly authenticate users in a Microsoft® Windows NT domain.

**Plugable strong encryption**—ColdFusion now uses the Java security model to more easily integrate with third-party security products.

**Enhanced web services support**—Finer grain controls are now available enabling applications to have full access to SOAP headers, more control over WSDL creation, and more.  WS-I compliant.

## New classes of applications

**Event gateways**—Build gateway applications that can interact with a host of other protocols common in today's networked world. Use the pre-built gateways, or easily create new ones.

**Asynchronous CFML gateway**—Process multiple or long-running application tasks in their own threads, improving performance and functionality for users.

**SMS gateway**—Interface with SMS-enabled mobile phones. ColdFusion MX 7 is already AT&T certified.

**IM gateways**—Interface with Lotus Sametime IM, Google, or Jabber XMPP IM clients, the emerging standard protocol for instant messaging systems.

**Extensible gateway architecture**—Create new event gateways enabling ColdFusion applications to respond to events from a nearly limitless variety of emerging protocols.