



DATA SHEET

Macromedia® ColdFusion® MX 7

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

ColdFusion MX 7 makes Internet application development and deployment faster and easier than any other solution available today. Easily extend or integrate with Java or .NET applications, connect to enterprise data and applications, create or consume web services, or interface with SMS on mobile devices or Instant messaging clients. Add powerful application services for business reporting, rich-forms generation, printable document generation, full-text search, and graphing and charting.

Provide unparalleled user experiences.

Users will be more productive when they interact with applications.

Rich forms. Create 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 to describe form layout and design. Separate logic from presentation. Easily re-skin forms across applications.

Printable web content. Transform web content into well-formatted, printable Adobe® PDF or FlashPaper 2 documents by giving your applications 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 high-quality, repeating group, structured business reports and populate them dynamically in the context of a web application. Satisfy business reporting requirements while reducing or eliminating the need for costly third-party reporting products.

Rapidly learn, build and deploy.

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

Extend Dreamweaver power. New ColdFusion Dreamweaver extensions make it faster and easier to develop ColdFusion applications using Macromedia Dreamweaver® MX 2004.

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 tag-based scripting language in ColdFusion, modeled after HTML, makes it easy to get up and running quickly.

Leverage components. Build and consume SOAP web services in record time using ColdFusion components (CFCs), which separate business logic from the presentation tier. Use CFCs in all types of applications, including HTML, Flash, web services, SMS, IM, and more.

Deploy high-performance 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.

Create a new class of applications.

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

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.

Instant messaging. The instant messaging (IM) world is rapidly transforming, enabling IM clients to interact with Internet applications. ColdFusion MX 7 makes it easy to create IM-accessible applications, providing access to the full set of IM services including presence awareness, buddy lists, and more. Natively connect to Lotus Sametime and XMPP or extend and connect to other popular IM technologies.

File system gateway. ColdFusion MX 7 applications can now respond directly to events occurring on server file systems such as file uploading, deleting, renaming, and more.

Key Features

Great User Experience

Printable web content: Dynamically transform existing HTML content into Adobe 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 e-mail, and more.

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.

Rich forms: Build accessible, high-quality forms in minutes using the new Rich 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. Ready-to-use chart styles make it easy to create professional-looking charts and graphs, or create custom styles.

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.

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

EAR 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.

License usage scanner: Scan an IP subnet and produce a report of all ColdFusion servers operating on the subnet, simplifying license management and compliance.

To purchase in the United States or Canada, visit the www.macromedia.com/store or call **800-457-1774**. Outside the U.S. and Canada, please visit www.macromedia.com/intl to find the Macromedia office or authorized distributor nearest you.

Rapid Development

Dreamweaver extensions: Extend Dreamweaver MX 2004 with powerful features for ColdFusion development including integrated datasource management, CFFORM design support, ColdFusion component recordsets, a powerful login creation wizard, and more.

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.

Pluggable strong encryption: ColdFusion now uses the Java security model to more easily integrate with third-party security products.

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

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.

Improved XML functionality: DTD and schema validation and XML decision functions are now included.

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.

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

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

File system gateway: Respond to events occurring on server file systems such as file uploading, deleting, renaming, and more.

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

System Requirements

Windows (Standard and Enterprise)

Intel® Pentium® II processor or higher
512 MB RAM
500 MB 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
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 (Enterprise Edition Only)

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

Supported Application Servers

Macromedia JRun™ 4.1
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 [3]

Complete product system requirements and recommendations are available at www.macromedia.com/go/sysreqs

[1] AIX support for WebSphere application server only.

[2] Recommended for development purposes only.

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

