

FOR AJAX DEVELOPERS

# ADOBE® AIR™

## DELIVER RICH INTERNET APPLICATIONS ON THE DESKTOP



Adobe AIR software is a new cross-operating system runtime that enables Ajax developers to use their existing skills, code, and tools to build powerful rich Internet applications (RIAs) for the desktop.

### **Deploy engaging user experiences to the desktop**

Adobe AIR enables you to build desktop RIAs that integrate local and network data, interact with local and network applications, connect multiple network data sources, benefit from network resiliency, manage large volumes of data, reuse components from browser RIAs, and provide customized or branded user interfaces. Adobe AIR includes the open source WebKit engine, which supports a wide range of HTML specifications; the open source ActionScript™ virtual machine (Tamarin) from Adobe Flash® Player 9 software; and embedded local database functionality. This enables Ajax and HTML developers to build and deploy a wide range of sophisticated Flash or HTML-based applications consistently across multiple operating systems.

### **Extend the reach of RIAs**

Adobe AIR applications combine the richness, reach, and ease of development of the web model with the power and convenience of the desktop. Web application developers have access to a set of Adobe AIR APIs that leverage desktop functionality and resources, including local file access and storage, drag-and-drop support, rich clipboard support, access to multiple servers and other desktop applications, database access, background processing, system notifications, and more. This helps you build data-driven applications and

incorporate text, PDF documents, and rich media to provide expressive, immersive user experiences that complement browser-based RIAs—from productivity applications that work both online and offline to media players that can be accessed via the desktop.

### **Achieve rapid productivity**

Adobe AIR supports a flexible programming model that helps developers achieve excellent productivity. When building Adobe AIR applications, you can leverage your HTML, Ajax, or JavaScript development skills, work with the IDE of your choice, and use the tools you already have—from a simple text editor and open source tools such as Aptana Studio to Adobe tools such as Adobe Dreamweaver® CS3, Eclipse™ based Adobe Flex® Builder™ 3, and Adobe Flash CS3 Professional software—to quickly build Adobe AIR applications or deploy existing web applications to the desktop. Using the Adobe AIR SDK, you can package the application for easy web deployment. The same Adobe AIR file installs an application across operating systems. With the virtually seamless installation capability of Adobe AIR, delivering applications and the runtime is easy.

## System requirements

### Windows®

- Intel® Pentium® 1GHz processor
- Microsoft® Windows 2000 with Service Pack 4; Windows XP with Service Pack 2; or Windows Vista® Home Basic, Home Premium, or Ultimate
- 256MB of RAM

### Macintosh

- PowerPC® G3 1GHz or Intel Core™ Duo 1.83GHz processor
- Mac OS X v10.4.10 or v10.5.x (PowerPC); Mac OS X v10.4.x or v10.5.x (Intel)
- 256MB of RAM

## Pricing

Adobe AIR, the Adobe AIR SDK, and the Flex 3 SDK are available at no charge. The Adobe AIR Extension for Flash CS3 Professional is available at no charge to licensed users of Flash CS3 Professional, and the Adobe AIR Extension for Dreamweaver CS3 is available at no charge to licensed users of Dreamweaver CS3. For pricing on Adobe Flex Builder 3, visit [www.adobe.com/go/flex](http://www.adobe.com/go/flex). Tools are available for download at [www.adobe.com/go/air](http://www.adobe.com/go/air).

## Features and benefits of Adobe AIR

### Familiar workflow

Develop rich Internet applications on the desktop using familiar workflows and development tools.

### Flexible runtime

Leverage the proven, mobile-friendly, open source WebKit engine for HTML-based applications or the open source Tamarin virtual machine for Flash based applications.

### Local file access

Leverage local storage, and read and write local files of any size containing text or binary content.

### Embedded database

Build data-intensive applications with the integrated, open source, cross-platform SQLite database for improved application responsiveness and data manipulation.

### Convenient desktop APIs

Connect RIAs to the desktop with drag-and-drop support, rich clipboard access, and more.

### Enhanced networking

Give users broad and flexible options for accessing standard and wireless networks, including HTTP and RTMP, as well as binary and XML sockets.

### Rich multimedia and video

Enjoy support for animations, bitmap and vector graphics, and audio, and deliver low-bandwidth, high-quality video, including H.263, H.264, AAC, MP3, Sorenson, and On2 VP6.

### Multitask support and transparency

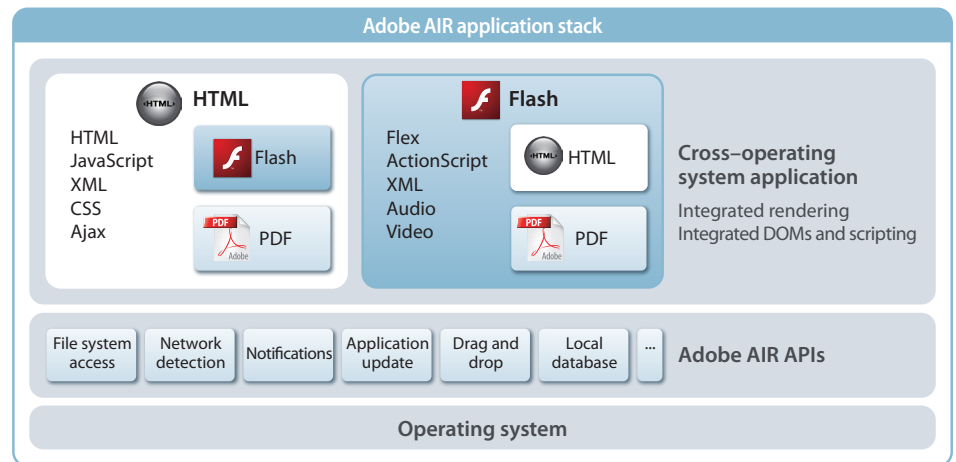
Take full control over the look and feel of applications for complete branding, including non-rectangular windows and custom chrome.

### Cross-operating system compatibility

Use the Adobe AIR SDK to package cross-operating system, binary-compatible applications for easy deployment.

### Easy application delivery

Help users easily install AIR applications from the web with runtime support for application updates and maintenance.



The Adobe AIR architecture



**Adobe Systems Incorporated**  
345 Park Avenue  
San Jose, CA 95110-2704  
USA  
[www.adobe.com](http://www.adobe.com)

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