

# Ajax: The Complete Reference

By Thomas Powell

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**Ajax: The Complete Reference** By Thomas Powell

## The Definitive Guide to Ajax Web Application Development

Evolve from the click-and-wait programming pattern to the latest Web 2.0 paradigm using this comprehensive guide to Ajax. Written by Web development expert Thomas Powell, the book lays out every feature of Ajax alongside detailed explanations and real-world code examples.

*Ajax: The Complete Reference* explains how to create and test Ajax-enabled Web applications using the XMLHttpRequest object as well as alternative JavaScript-based communication mechanisms. You'll explore a variety of sample applications featuring emerging user-interface conventions and build applications that address real-world networking and security issues. A robust communication library is developed throughout the book that enables you to architect flexible Ajax applications. The latest technologies such as Web services, Flash-Ajax integration, client-side templates, Comet, and Offline Access are also covered. Discover the future of Web development today!

- Work with traditional JavaScript communication approaches like iframes
- Explore all the quirks and details in the XMLHttpRequest object
- Handle disparate data formats, including XML, JSON, CSV, YAML, and more
- Deal with networking issues, including timeouts, retries, response ordering, and a variety of server and content errors
- Simplify JavaScript programming using open-source Ajax libraries like YUI
- Secure Ajax applications using authentication, obfuscation, and encryption
- Implement common Ajax UI patterns such as auto suggest, click-to-edit, and drag-and-drop
- Solve troubling Ajax architecture problems, including back button, history, and bookmarking issues
- Learn Ajax's role in Web 2.0 and Web services
- Explore push style communication using Comet and Flash
- Discover the future of offline Web application access and operation



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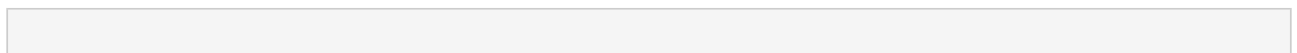
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### Editorial Review

#### About the Author

**Thomas A. Powell** brings a blend of real-world experience with academic rigor to the job of exposing the realities of Ajax. As the CEO of PINT ([www.pint.com](http://www.pint.com)), a nationally recognized Web development shop, he has been involved in the design and architecture of websites for leading organizations around the world for nearly 15 years. Mr. Powell is also an instructor at the University of California, San Diego and the author of numerous books, including *HTML & XHTML: The Complete Reference*, *JavaScript: The Complete Reference*, and *Web Design: The Complete Reference*.

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