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WebSocket: Lightweight Client-Server Communications



Synopsis

Until recently, creating desktop-like applications in the browser meant using inefficient Ajax or Comet technologies to communicate with the server. With this practical guide, youâ€™ll learn how to use WebSocket, a protocol that enables the client and server to communicate with each other on a single connection simultaneously. No more asynchronous communication or long polling! For developers with a good grasp of JavaScript (and perhaps Node.js), author Andrew Lombardi provides useful hands-on examples throughout the book to help you get up to speed with the WebSocket API. Youâ€™ll also learn how to use WebSocket with Transport Layer Security (TLS). Learn how to use WebSocket API events, messages, attributes, and methods within your client application. Build bi-directional chat applications on the client and server with WebSocket as the communication layer. Create a subprotocol over WebSocket for STOMP 1.0, the Simple Text Oriented Messaging Protocol. Use options for older browsers that donâ€™t natively support WebSocket. Protect your WebSocket application against various attack vectors with TLS and other tools. Debug applications by learning aspects of the WebSocket lifecycle.

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Customer Reviews

I found the book clearly written, and full of helpful information. The book has the latest information about WebSocket and identifies the pain points of integration. There was a section on security that was really helpful that I'm forwarding to my IT guy- and made it very clear to identify what was coming across the wire, which was really helpful.

Great in-depth book on WebSocket This book is well written and contains a number of examples which always help me integrate a new technology faster. It isn't just about the basics of WebSocket but goes into detail about security aspects to take into account, how to get over the hurdles present in older browsers, and how to integrate a protocol and layer it on top of the WebSocket protocol. Best thing about the book is I can give him the chapter on security and make sure they can properly watch out for the attack vectors explained in the book. Highly recommended book if you're looking to migrate your old long polling and move to WebSocket.

I learned a lot, this book was recommended by a friend and I was not disappointed. A lot of examples which are easy to understand (I even used some of them right away!) I especially liked the section on security and the chapter on STOMP. I am definitely gonna recommend it to some colleagues !

This is a great book if you want information quick and concise. Normally I do not read books on technically stuff, but Andrew has really done a great piece of work here. I would not be able to gather information faster using google :) He has even made a quicklist if your are a one of those who want to the point quickly, in short if you want to learn about websocket this is for you.

The book is well-written and covers a wide range of topics related to WebSockets all presented in a crisp, clean and straightforward manner. Most importantly (and unlike most tech books) it is well written.

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