



WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition

Alan B Johnston, Daniel C Burnett

Download now

[Click here](#) if your download doesn't start automatically

WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition

Alan B Johnston, Daniel C Burnett

WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition Alan B Johnston, Daniel C Burnett

WebRTC, Web Real-Time Communications, is revolutionizing the way web users communicate, both in the consumer and enterprise worlds. WebRTC adds standard APIs (Application Programming Interfaces) and built-in real-time audio and video capabilities and codecs to browsers without a plug-in. With just a few lines of JavaScript, web developers can add high quality peer-to-peer voice, video, and data channel communications to their collaboration, conferencing, telephony, or even gaming site or application. New for the Third Edition The third edition has an enhanced demo application which now shows the use of the data channel for real-time text sent directly between browsers. Also, a full description of the browser media negotiation process including actual SDP session descriptions from Firefox and Chrome. Hints on how to use Wireshark to monitor WebRTC protocols, and example captures are also included. TURN server support for NAT and firewall traversal is also new. This edition also features a step-by-step introduction to WebRTC, with concepts such as local media, signaling, and the Peer Connection introduced through separate runnable demos. Written by experts involved in the standardization effort, this book contains the most up to date discussion of WebRTC standards in W3C and IETF. Packed with figures, example code, and summary tables, this book is the ultimate WebRTC reference.

Table of Contents

1 Introduction to Web Real-Time Communications

1.1 WebRTC Introduction

1.2 Multiple Media Streams in WebRTC

1.3 Multi-Party Sessions in WebRTC

1.4 WebRTC Standards

1.5 What is New in WebRTC

1.6 Important Terminology

Notes

1.7 References

2 How to Use WebRTC

2.1 Setting Up a WebRTC Session

2.2 WebRTC Networking and Interworking Examples

2.3 WebRTC Pseudo-Code Example

2.4 References

3 Local Media

3.1 Media in WebRTC

3.2 Capturing Local Media

3.3 Media Selection and Control

3.4 Media Streams Example

3.5 Local Media Runnable Code Example

4 Signaling

4.1 The Role of Signaling

4.2 Signaling Transport

4.3 Signaling Protocols

4.4 Summary of Signaling Choices

4.5 Signaling Channel Runnable Code Example

4.6 References

5 Peer-to-Peer Media

5.1 WebRTC Media Flows

5.2 WebRTC and Network Address Translation (NAT)

5.3 STUN Servers

5.4 TURN Servers

5.5 Candidates

6 Peer Connection and Offer/Answer Negotiation

6.1 Peer Connections

6.2 Offer/Answer Negotiation

6.3 JavaScript Offer/Answer Control

6.4 Runnable Code Example: Peer Connection and Offer/Answer Negotiation

7 Data Channel

7.1 Introduction to the Data Channel

7.2 Using Data Channels

7.3 Data Channel Runnable Code Example

7.3.1 Client WebRTC Application

8 W3C Documents

8.1 WebRTC API Reference

8.2 WEBRTC Recommendations

8.3 WEBRTC Drafts

8.4 Related Work

8.5 References

9 NAT and Firewall Traversal

9.1 Introduction to Hole Punching

9.3 WebRTC and Firewalls

9.3.1 WebRTC Firewall Traversal

9.4 References

10 Protocols

10.1 Protocols

10.2 WebRTC Protocol Overview

10.3 References

11 IETF Documents

11.1 Request For Comments

11.2 Internet-Drafts

11.3 RTCWEB Working Group Internet-Drafts

11.4 Individual Internet-Drafts

11.5 RTCWEB Documents in Other Working Groups

11.6 References

12 IETF Related RFC Documents

12.1 Real-time Transport Protocol

12.2 Session Description Protocol

12.3 NAT Traversal RFCs

12.4 Codecs

12.5 Signaling

12.6 References

13 Security and Privacy

13.1 Browser Security Model

13.2 New WebRTC Browser Attacks

13.3 Communication Security

13.4 Identity in WebRTC

13.5 Enterprise Issues

14 Implementations and Uses

INDEX

ABOUT THE AUTHORS

 [Download WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition.pdf](#)

 [Read Online WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition.pdf](#)

Download and Read Free Online WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition Alan B Johnston, Daniel C Burnett

From reader reviews:

Robert Pinkerton:

In this 21st centuries, people become competitive in most way. By being competitive currently, people have do something to make these people survives, being in the middle of often the crowded place and notice through surrounding. One thing that oftentimes many people have underestimated that for a while is reading. Yes, by reading a reserve your ability to survive improve then having chance to stand than other is high. In your case who want to start reading the book, we give you that WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition book as beginning and daily reading publication. Why, because this book is more than just a book.

Timothy Walker:

Here thing why this specific WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition are different and reputable to be yours. First of all examining a book is good however it depends in the content from it which is the content is as scrumptious as food or not. WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition giving you information deeper and in different ways, you can find any reserve out there but there is no guide that similar with WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition. It gives you thrill studying journey, its open up your eyes about the thing that will happened in the world which is possibly can be happened around you. It is possible to bring everywhere like in park your car, café, or even in your means home by train. If you are having difficulties in bringing the paper book maybe the form of WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition in e-book can be your substitute.

Richard Osteen:

Now a day folks who Living in the era where everything reachable by interact with the internet and the resources inside it can be true or not demand people to be aware of each details they get. How a lot more to be smart in receiving any information nowadays? Of course the correct answer is reading a book. Examining a book can help folks out of this uncertainty Information mainly this WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition book because book offers you rich details and knowledge. Of course the data in this book hundred % guarantees there is no doubt in it you may already know.

Michael Wheeler:

Playing with family in a very park, coming to see the ocean world or hanging out with friends is thing that usually you have done when you have spare time, subsequently why you don't try matter that really opposite from that. One activity that make you not sensation tired but still relaxing, trilling like on roller coaster you already been ride on and with addition of knowledge. Even you love WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition, you could enjoy both. It is excellent

combination right, you still want to miss it? What kind of hangout type is it? Oh can happen its mind hangout folks. What? Still don't buy it, oh come on its identified as reading friends.

**Download and Read Online WebRTC: APIs and RTCWEB
Protocols of the HTML5 Real-Time Web - Chinese Edition Alan B
Johnston, Daniel C Burnett #C9AW5QTULK0**

Read WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition by Alan B Johnston, Daniel C Burnett for online ebook

WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition by Alan B Johnston, Daniel C Burnett Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition by Alan B Johnston, Daniel C Burnett books to read online.

Online WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition by Alan B Johnston, Daniel C Burnett ebook PDF download

WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition by Alan B Johnston, Daniel C Burnett Doc

WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition by Alan B Johnston, Daniel C Burnett Mobipocket

WebRTC: APIs and RTCWEB Protocols of the HTML5 Real-Time Web - Chinese Edition by Alan B Johnston, Daniel C Burnett EPub