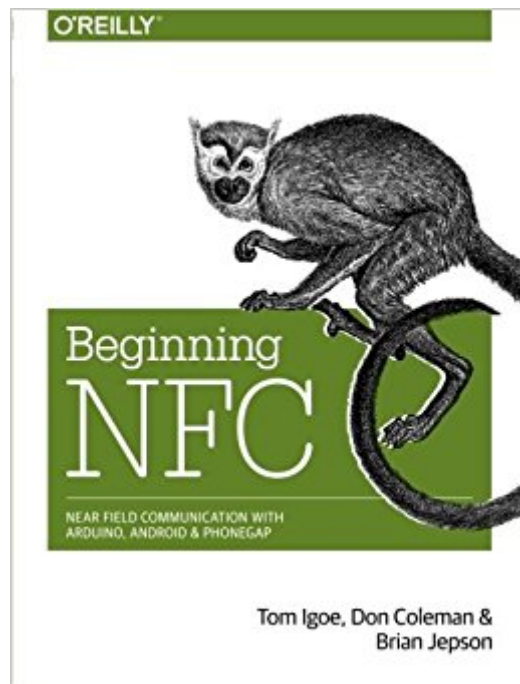




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Beginning NFC: Near Field Communication With Arduino, Android, And PhoneGap



Synopsis

Jump into the world of Near Field Communications (Nfc), the fast-growing technology that lets devices in close proximity exchange data, using radio signals. With lots of examples, sample code, exercises, and step-by-step projects, this hands-on guide shows you how to build Nfc applications for Android, the Arduino microcontroller, and embedded Linux devices. You'll learn how to write apps using the Nfc Data Exchange Format (Ndef) in PhoneGap, Arduino, and node.js that help devices read messages from passive Nfc tags and exchange data with other Nfc-enabled devices. If you know Html and JavaScript, you're ready to start with Nfc. Dig into Nfc's architecture, and learn how it's related to RfidWrite sample apps for Android with PhoneGap and its Nfc plugin Dive into Ndef: examine existing tag-writer apps and build your own Listen for and filter Ndef messages, using PhoneGap event listeners Build a full Android app to control lights and music in your home Create a hotel registration app with Arduino, from check-in to door lock Write peer-to-peer Nfc messages between two Android devices Explore embedded Linux applications, using examples on Raspberry Pi and BeagleBone

Book Information

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Customer Reviews

This is an awesome hands on book. Not only does it cover the technical aspects and the programming aspects, Igoe manages to develop and present a collection of low cost labs on real hardware. I'd recommend it for anyone who wants to begin a deep dive into NFC.

Good introduction. Solid examples of introductory applications. Not very technical, and good starter kit for people learning how to code.

I did find lots of good information but needed to look for other sources for example for applicable NDEF information. Large parts of the book consists of source code and explanations of that code.

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