# Near-Field Communication with Arduino, Android, and PhoneGap



O'REILLY\*

Tom Igoe, Don Coleman & Brian Jepson

# Beginning Nfc Near Field Communication With Arduino Android And Phonegap

**M** Walker

# Beginning Nfc Near Field Communication With Arduino Android And Phonegap:

Beginning NFC Tom Igoe. Don Coleman. Brian Jepson, 2014 Beginning NFC Tom Igoe, Don Coleman, Brian Jepson, 2014-01-14 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 Il 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 RFID Write 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

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