



# Near Field Communication with Android Cookbook

By Vitor Subtil

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Near Field Communication with Android Cookbook By Vitor Subtil

**Discover the endless possibilities of using Android NFC capabilities to enhance your apps over 50 practical recipes**

## About This Book

- Practical and real-life examples showing how and where NFC can be used
- Discover how to exploit NFC capabilities to enhance your apps to easily share and interact with the world
- Learn how to extend cross-device content sharing by taking advantage of Android Beam's capabilities

## Who This Book Is For

If you want to learn how to create NFC-enabled Android applications, this is the book for you. Perhaps you already know a bit about Android application developments but have never used NFC, or perhaps you know a little about NFC android development but want some more advanced features and examples. In either case, this book will get you up and running quickly. You are expected to have Android programming knowledge.

## What You Will Learn

- Work with the foreground dispatch system NFC data exchange format
- Create several applications to consolidate knowledge and see what NFC can be used for
- Read and write tags with URI, text, mime, and external types
- Share content across two NFC-enabled devices
- Extend NFC usage using Bluetooth and Wi-Fi
- Combine NFC with social networks and games
- Use Open NFC for Android to set up a virtual development and testing environment

## In Detail

Near Field Communication, or simply NFC, is an emerging technology with endless applicability. Its low battery consumption and simplicity are the keys to its success.

Near Field Communication with Android Cookbook is a hands-on book that will help you to set up your development environment, get to know the basics of NFC, and then use what you learn to create more enhanced and practical applications. This practical guide will teach you all you need know about NFC to get you started in developing outstanding out-of-the-box applications.

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**Near Field Communication with Android Cookbook** By Vitor Subtil Bibliography

- Sales Rank: #4169616 in Books

- Published on: 2014-07-25
- Released on: 2014-06-13
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .65" w x 7.50" l, 1.09 pounds
- Binding: Paperback
- 304 pages

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### Editorial Review

About the Author

#### Vitor Subtil

Vitor Subtil has been a web developer since 2009 and has been working with ASP.NET, C#, Oracle, and FluentNhibernate in the development of Enterprise Management applications. He started using MVC and SOA quite recently. He is currently pursuing his final year graduate studies in Computer Engineering, where he got introduced to the NFC technology and became a fan thereafter. He is enthusiastic about new technologies such as HTML5, CSS3, and Android. He loves using the JQuery framework for JavaScript programming and uses new features of HTML5 such as OfflineStorage, the History API, and Canvas. His current focus is on developing Android applications.

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