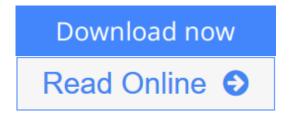


# FreeSWITCH 1.6 Cookbook

By Anthony Minessale II



FreeSWITCH 1.6 Cookbook By Anthony Minessale II

Over 45 practical recipes to empower you with the latest FreeSWITCH 1.6 features

# **About This Book**

- Learn how to create a fast and secure messaging and telephony system with FreeSWITCH
- Trap all the common functionalities of the telephony platform using popular communication protocols
- Move recipe by recipe to get the gist of the platform

## Who This Book Is For

FreeSWITCH 1.6 Cookbook is written for anyone who wants to learn more about using FreeSWITCH in production. The information is presented in such a way that you can get up and running quickly. The cookbook approach eschews much of the foundational concepts, and instead focuses on discrete examples that illustrate specific features. If you need to implement a particular feature as quickly as possible, then this book is for you.

# What You Will Learn

- Configure users and phones as well as connections to VoIP providers
- Control FreeSWITCH remotely with the powerful event socket interface
- Route inbound and outbound calls
- Insert CDRs into a database
- Enable text-to-speech in your voice applications
- Set up SSL certificates and release services to WebRTC
- Write JavaScript WebRTC clients for real time data/video/audio in browsers
- Grasp the FreeSWITCH security best practices and Lua application programming knowledge

### In Detail

FreeSWITCH is an open source carrier-grade telephony platform designed to

facilitate the creation of voice, chat, and video applications, via phones and web browsers. It is scalable, carrier-ready, and easy-to-program for converged communication and VoIP. The technology serves SIP, WebRTC, PSTN, FAX, PBX, VERTO, and all the relevant channels essential to stay connected in today's world.

In the FreeSWITCH 1.6 Cookbook, members of the FreeSWITCH development team share some of their hard-earned knowledge with you. Use this knowledge to improve and expand your FreeSWITCH installations.



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#### **Editorial Review**

About the Author

#### **Anthony Minessale II**

Anthony Minessale II is the primary author and founding member of the FreeSWITCH open source softswitch. He has spent almost 20 years working with open source software. In 2001, he spent a great deal of time as an Asterisk developer and authored numerous features and fixes to that project. Anthony started coding a new idea for an open source voice application in 2005. The FreeSWITCH project was officially opened to the public on January 1, 2006. In the years that followed, Anthony has actively maintained and led software development for this project.

#### **Michael S Collins**

Michael S Collins is a telephony and open source software enthusiast. Having worked as a PBX technician for 5 years and the head of IT for a call center for more than 9 years, he is a PBX veteran. He is an active member of the FreeSWITCH community and has coauthored FreeSWITCH Cookbook, by Packt Publishing in 2012. Michael lives in Central California with his wife and two children.

#### Giovanni Maruzzelli

Giovanni Maruzzelli (available at OpenTelecom.IT) is heavily engaged with FreeSWITCH. In it, he wrote interfacing with Skype and cellular phones. He's a consultant in the telecommunication sector, developing software and conducting training courses for FreeSWITCH, SIP, WebRTC, Kamailio, and OpenSIPS. An Internet technology pioneer, he was the cofounder of Italia Online in 1996. It is the most popular Italian portal and consumer ISP. Also, he was the architect of its Internet technologies (www.italiaonline.it). Then, Giovanni was the supervisor of Internet operations and the architect of the first engine for paid access to ilsole24ore.com, the most read financial newspaper in Italy, and its databases (migrated from the mainframe). After that, he was the CEO of the venture-capital-funded company Matrice, developing telemail unified messaging and multiple-language phone access to e-mail (text to speech). He was also the CTO of the incubator-funded company Open4, an open source managed applications provider. For 2 years, Giovanni worked in Serbia as an Internet and telecommunication investment expert for IFC, an arm of The World Bank. Since 2005, he has been based in Italy and serves ICT and telecommunication companies worldwide.

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