

# RCS-e open source stack



## Roadmap

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# Open source project

## ■ Open source published at:

<http://code.google.com/p/android-rcs-ims-stack/>



The screenshot shows the Google Code project page for 'android-rcs-ims-stack'. The page header includes the project name and a search bar. The main content area is divided into two columns. The left column contains project information such as 'Project Information', 'Code license' (Apache License 2.0), 'Labels' (RCS, RCS-e, SIP, Android, etc.), 'Members' (jmauffret, 2 committers), and 'Your role' (Owner). The right column features a title 'RCS-e stack implementation (GSMA RCS 1.2.1 compliant, hotfixes 3.1)', a 'Follow @androidrcsstack' link, and a release announcement '07/09/2012: Release 2.4.8 is available'. Below this, there is a list of links to various documents like README, Installation guide, Roadmap, Wiki, Supported standards, RCS API, FAQ, GSMA UI Connector Demo, GSMA Client Connector Demo, SIP API Demo, and Findbugs filter. A paragraph describes the RCS-e stack as an open source implementation of the Rich Communication Suite standards for Google Android platform. At the bottom, there are two side-by-side screenshots of a mobile application interface showing contact lists and RCS chat functionality.

android-rcs-ims-stack  
RCS-e stack for Android platform

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Summary People

**Project Information**  
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Code license  
Apache License 2.0  
Labels  
RCS, RCS-e, SIP, Android, IMS, RTP, XCAP, XDM, MSRP, Chat, IIMDN, SDP, video, visio  
Members  
jmauffret  
2 committers  
Your role  
Owner

**RCS-e stack implementation (GSMA RCS 1.2.1 compliant, hotfixes 3.1)**  
Follow @androidrcsstack  
07/09/2012: Release 2.4.8 is available

- See details in last [README.txt](#) (updated).
- See [Installation guide](#).
- See [Roadmap](#) (updated).
- See [Wiki](#).
- See [Supported standards](#) (updated).
- See [RCS API](#) (updated).
- See [FAQ](#).
- See [GSMA UI Connector Demo](#) which demonstrates how to link RCS apps thanks to the GSMA UI Connector API.
- See [GSMA Client Connector Demo](#) which demonstrates how to detect other installed RCS clients.
- See [SIP API Demo](#) which demonstrates how to create new RCS/IMS services on top of the RCS stack.
- See [Findbugs filter](#) used to exclude some files for static source code analysis.

The RCS-e stack is an open source implementation of the Rich Communication Suite standards for Google Android platform. This implementation is compliant to GSMA RCS-e 1.2 standards. Thanks to its client/server API, the stack may be easily integrated with existing native Android applications (e.g. address book, dialer) and permits to create new RCS applications (e.g. chat, widgets).

Two screenshots of the RCS application interface are shown side-by-side. The left screenshot shows a contact list with entries for 'Me', '+33643933579', '+33643933665', 'My RCS profile', 'Tab', and 'Test'. The right screenshot shows a chat interface with a contact card for 'At Home' and buttons for 'View', 'Message', 'File transfer', and 'Chat'.



# Main contributors

- Orange Labs
- Deutsche Telecom
- HTC
- Motorola
- Neusoft.
- Sony



# History...

- 2007 / First RCS stack for J2ME platform.
- 2008-2009 / RCS 1.0 stack:
  - GSMA IOT: Helsinki (2008) / First participation.
  - GSMA IOT: Paris (2009).
  - GSMA IOT: Munich (2009).
- Jan. 2010 / First RCS stack for Android platform.
- 2010 / RCS 2.0 stack:
  - GSMA IOT: Paris (2010).
  - GSMA IOT: Beijing (2010).
  - GSMA IOT: Madrid (2010).
- Jan. 2011 / RCS 2.0 stack:
  - GSMA IOT: Helsinki (2011).
  - OrangeLabs stack is taken as Reference Implementation by GSMA.
- Feb. 2011 / Integrate the same SIP stack as Google Android 2.3.
- March 2011 / RCS-e stack implementation based on 2.0 stack started.
- April 2011 / First RCS-e 1.1 release available.
- Mai 2011: RCS-e stack published to open source community.
- End of 2011: native integration by several device manufacturers.



# Roadmap



# Roadmap 2012

## ■ January 16: Sprint 14

- IOT tests.
- HTTPS provisioning module.
- Findbugs report.

## ■ January 30: Sprint 15

- IOT tests.
- HTTPS provisioning version management.
- DNS management (NAPTR & SRV).
- End user confirmation request API to accept terms of use.

## ■ February 10: Sprint 16

- IOT tests.

## ■ February 22: Sprint 17

- Bug fix after IOT tests.

## ■ March 12: Sprint 18

- Bug fix after IOT tests.
- Rename package of the NIST SIP stack to avoid concurrency problems with native NIST SIP stack.
- Update source code copyrights.



# Roadmap 2012

## ■ March 30: Sprint 19

- IOT tests.
- GSMA RCS Implementation Guidelines.
- Nonce caching.

## ■ April 13: Sprint 20

- IOT tests.
- GSMA RCS Implementation Guidelines.

## ■ April 30: Sprint 21

- Provisioning terms.
- IOT tests.

## ■ May 21: Sprint 22

- Backup & restore RCS settings.
- Bug correction.

## ■ June 22: Sprint 23

- GSMA UI Connector.
- Bug correction.



# Roadmap 2012

## ■ July 06: Sprint 24

- IOT test fest (Madrid).
- IPv6 tests.

## ■ August 14: Sprint 25 (v2.4.7)

- GSMA Guidelines 3.0.
- IOT test fest issues.

## ■ September 07: Sprint 26 (v2.4.8)

- GSMA Guidelines 3.1.

## ■ October 12: Sprint 27 (v2.4.9)

- IMS session refactoring on duplicated code.
- Merge contributions.
- Multidevice management.
- GSMA Guidelines 3.1.

## ■ October 31: Sprint 28 (v2.4.10)

- MSRPS
- Merge contributions.





# Roadmap 2013

- **Blackbird release**
- **Crane release**

