

# RCS-e open source stack



## Roadmap

Date: 04/04/2013

Author: Orange Labs, [jeanmarc.auffret@orange.com](mailto:jeanmarc.auffret@orange.com)



# Open source project

## ■ Open source published at:

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



The screenshot shows the project page for 'android-rcs-ims-stack' on the Code.google.com platform. The page header includes the project name and a search bar. The main content area is divided into a left sidebar and a main body. The sidebar contains 'Project Information' (starring by 78 users, Apache License 2.0), 'Labels' (RCS, RCS-e, SIP, Android, IMS, RTP, XCAP, XDM, MSRP, Chat, IIMDN, SDP, video, visio), 'Members' (jmauffret, 2 committers), and 'Your role' (Owner). The main body 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 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 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 features.

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

Project Home Downloads Wiki Issues Source Administer

Summary People

**Project Information**  
+13 including You  
Starred by 78 users  
Project feeds  
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 Telekom
- 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 2013

## ■ January 24: Sprint 1, v2.5.0

- Merge contributions.
- 1.2 hotfixes maintenance.
- New video profile (QVGA level 1.2 & 1.3).
- Blackbird preparation.

## ■ February 14 : Sprint 2, v2.5.1

- Merge contributions.
- 1.2 hotfixes maintenance.
- Push geoloc.
- Show us in a map.
- vCard.
- Auto reject FT if no storage.

## ■ March 11: Sprint 3, v2.5.2

- Merge contributions.
- Video orientation management.
- File transfer thumbnail.



# Roadmap 2013

## ■ March 29: Sprint 4, v2.5.3

- Merge contributions.
- Block contact capabilities.
- Multidevice.
- Share geoloc during a call.

## ■ April 18: Sprint 5, v2.5.4

- Merge contributions.
- Test MSRPoTLS.
- File transfer over HTTP.
- File transfer group.

## ■ Next sprints:

- Wi-fi provisioning.
- VoIP call.
- IP Video call.
- Queue messaging.
- IMDN group chat.
- Store & Forward group chat.
- Store & forward file transfer.
- Voice message.
- Backup & Restore.
- New Blackbird provisioning parameters.
- LTE support.

