

RCS-e open source stack



Roadmap

Date: 26/11/2012

Author: Orange Labs, 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 is titled 'android-rcs-ims-stack' with the subtitle 'RCS-e stack for Android platform'. It features a navigation bar with links for 'Project Home', 'Downloads', 'Wiki', 'Issues', 'Source', and 'Administer'. The main content area is divided into two columns. The left column 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 right column displays the project description: 'RCS-e stack implementation (GSMA RCS 1.2.1 compliant, hotfixes 3.1)'. It includes a 'Follow @androidrcsstack' link and a '07/09/2012: Release 2.4.8 is available' announcement. A list of links points to various documents: README.txt (updated), Installation guide, Roadmap (updated), Wiki, Supported standards (updated), RCS API (updated), 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, compliant with GSMA RCS-e 1.2 standards. At the bottom, two side-by-side screenshots of an Android interface demonstrate the stack's capabilities, showing contact lists and RCS chat windows.



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 2012

■ November 23: Sprint 29 (v2.4.11)

- Merge contributions.

■ December 14: Sprint 30 (v2.4.12)

- Merge contributions.
- Test MSRP over TLS.
- Contact database optimization.



Roadmap 2013

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

