RCS RI application

Installation guide

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Summary

1. Upgrade procedure

Note: `adb` is the Android Debug Bridge tool available from the Android SDK (http://developer.android.com).

1.1. Upgrade RCS stack from 1.x to 2.x release

If you upgrade 1.x RCS stack to 2.x release, you should uninstall completely the previous 1.x release in order to reset the internal database. ! this will erase all the RCS data (profile, presence sharing, .etc).

To uninstall a release, go to the device settings and select the menu “Applications/Manage applications. Or use the following command: `adb uninstall com.orangelabs.rcs`

1.2. Normal upgrade procedure

1. Use the following command to uninstall the RCS/IMS stack without erasing data:

   ```
   adb uninstall -k com.orangelabs.rcs
   ```

2. Use the following command to uninstall the RI application:

   ```
   adb uninstall com.orangelabs.rcs.ri
   ```

3. Install the new software release (see next chapter).

4. Restart the device or restart the RCS service via its RCS settings.

2. Installation procedure

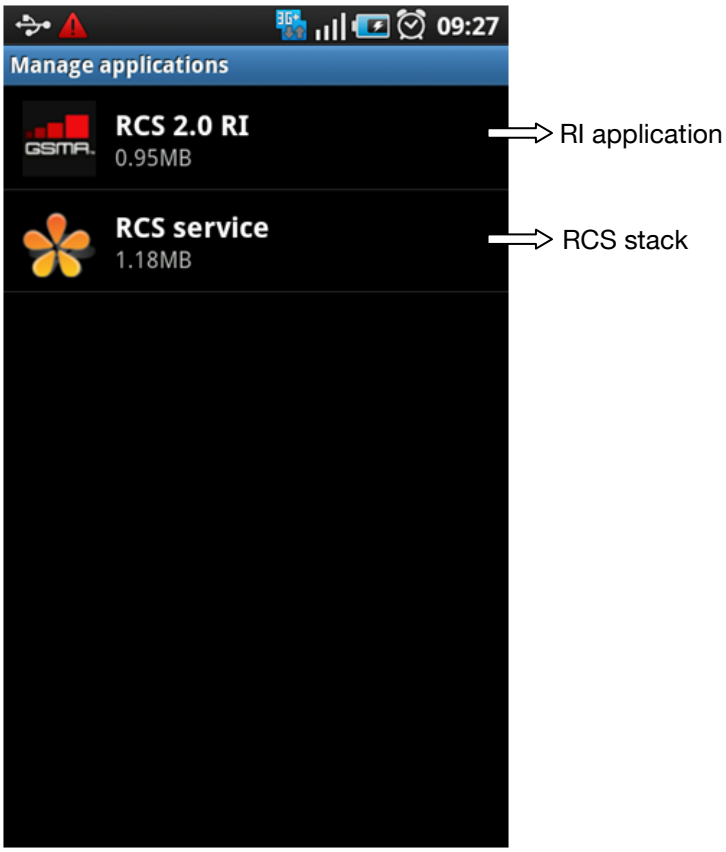
1. Use the following command to install the RCS/IMS stack:

   ```
   adb -d install RCS_core_2.x.y.apk
   ```

2. Use the following command to install the RI application:

   ```
   adb -d install RCS_RI_2.x.y.apk
   ```

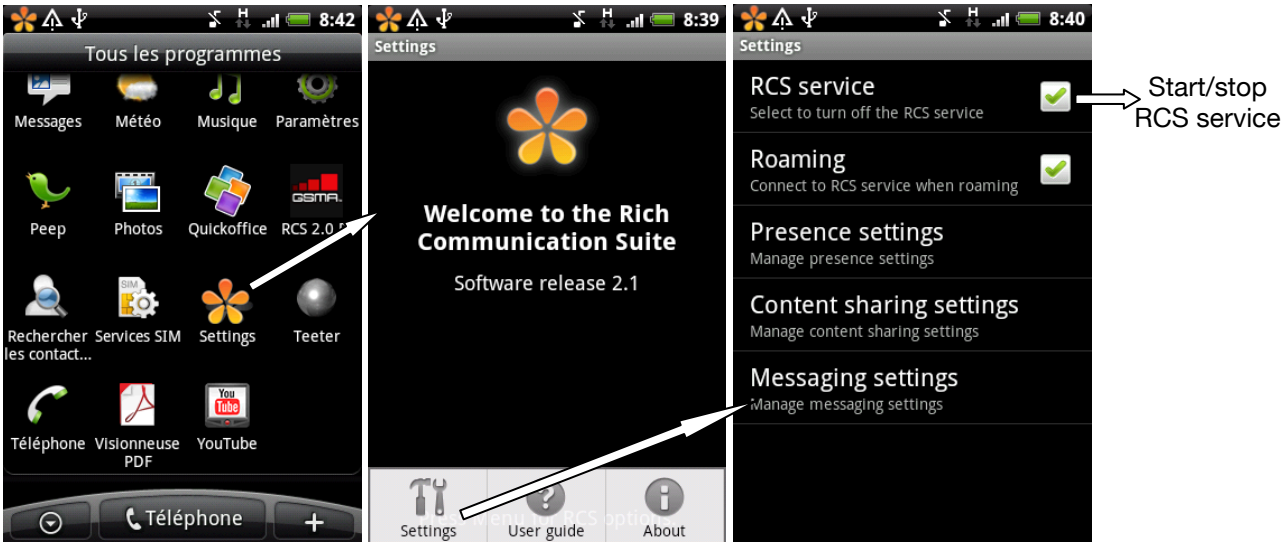
3. The following applications are now installed:


09:27
Manage applications
RCS 2.0 RI
0.95MB
RCS service
1.18MB
RI application
RCS stack

3. Startup

3.1. Start the stack

The RCS/IMS stack is started at device boot or by using the “Settings” application:



When the stack is started a dedicated notification is added in the top notification bar of the device:

When the icon is grayed  , it means that the stack is not connected to IMS (no coverage, IMS down, user not known, …etc).

When the icon is  it means you are registered to IMS with success.

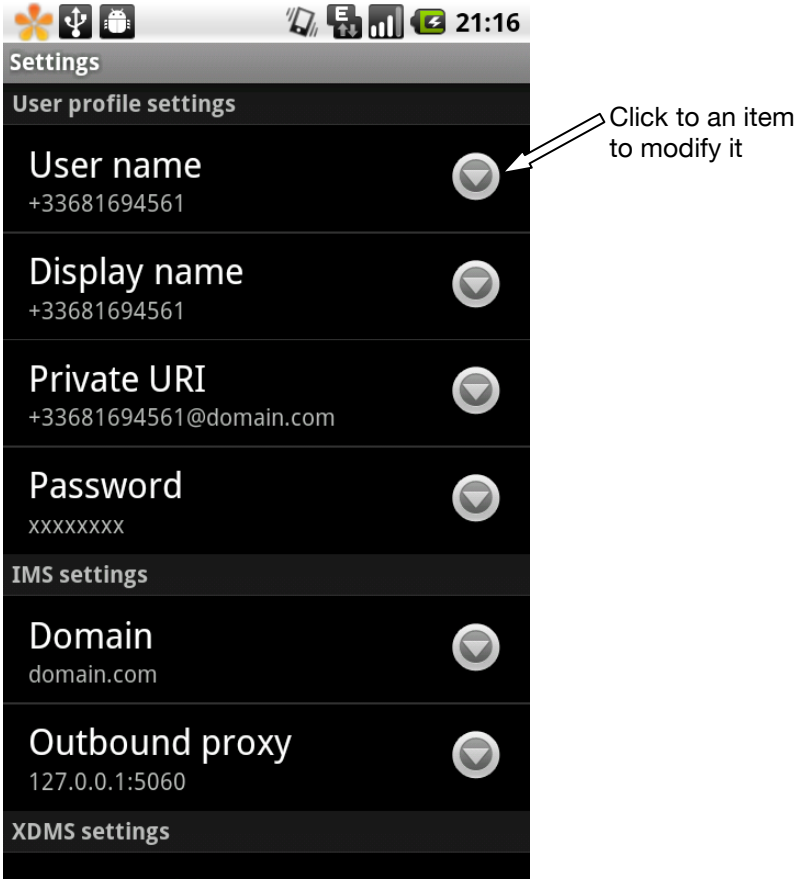
The notification permits also to have a direct access to the RCS settings.

3.2. Start the RI application

Use the application shortcut:

4. IMS user profile provisionning

The IMS user profile may be provisioned via the RCS Settings application, via the menu “User profile”:



4.1. Manual provisioning

The following IMS parameters should be entered manually:

- Username: this is the username part of the IMPU.
- Display name: may be any string.
- Private URI: this is the IMPI.
- Password: password used for authentication during registration.
- Domain: home domain.
- Outbound proxy: address and port of the entry point of the IMS platform (SBC or P-CSCF).
- XDM server: address of the XDMS.
- XDM login: login to connect to the XDMS.
- XDM password: password to connect to the XDMS.
- Conference factory URI for group chat.

The IMPU is then built by using the username and the domain.

Sample:

- Username = “abcd”.
- Display name = “ABCD”.
- Private URI = “abcd_private@domain.com”.
- Password = “xxxx”.

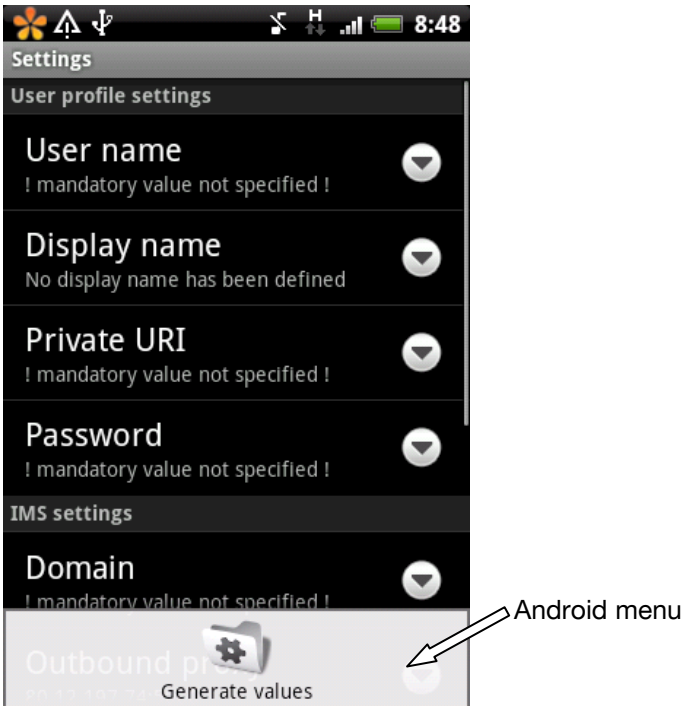
- Domain = “domain.com”.
- Outbound proxy = “127.0.0.1:5060”.
- XDM server = ”127.0.0.1:8080/services”.
- XDM login = “yyyy”.
- XDM password = “xxxx”.
- Conference factory UI = “sip:conference-factory@domain.com”.

Note: settings are stored into a content data provider.

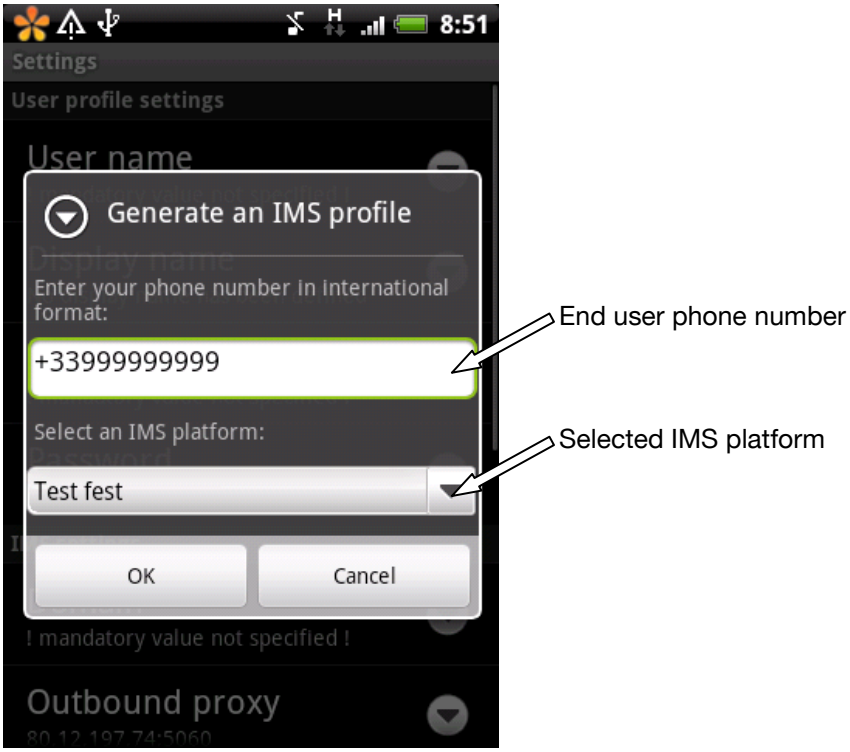
Note: for any update of the user profile, the RCS service should be restarted.

4.2. Automatic provisioning

From the “User profile settings” display, click on the Android menu button to access to the menu “Generate value”:



The menu “Generate value” permits to generate automatically the IMS user profile for a given platform:



Here we have just to enter a phone number in international format and to select the target platform, then the IMS profile is automatically derived: