Multi-client management

To manage the multi-client with several applications based on the OrangeLabs open source stack, you must at least do the following actions.

Your **application package** must be unique.
If you package your application with the stack core, you will need to merge resources.

- Rename the package `com.orangelabs.rcs` in AndroidManifest.xml to `com.your.packagename`
- Rename all "`import com.orangelabs.rcs.R`" to "`import com.your.packagename.R`"

The **providers** must also be unique.

- Refactor provider package (and subpackages) `com.orangelabs.rcs.provider` to `com.your.packagename.provider`
- Update providers in AndroidManifest.xml (`android:authorities` and `android:name`) with `com.your.packagename`

You can customize the **RCS Permissions**.

- Rename in AndroidManifest.xml `com.orangelabs.rcs.permission.RCS` to `com.your.packagename.permission.RCS and`
- Rename in AndroidManifest.xml `com.orangelabs.rcs.permission.RCS_EXTENSION` to `com.your.packagename.permission.RCS_EXTENSION`

To avoid interactions between several stacks, the **User account** must be differentiated.

- Rename the value `ACCOUNT_MANAGER_TYPE` in AuthenticationService.java "`com.orangelabs.rcs`" to "`com.your.packagename`"
- Rename the value `android:accountType` in rcs_core_authenticaor.xml "`com.orangelabs.rcs`" to "`com.your.packagename`". You can also customize the string "`rcs_core_account_id`".

Shared Preferences

/!\ The GSMA shared preferences to check if an other Joyn stack is activated doesn't work correctly. The meta data included in package application can be correctly retrieved. Then, we can get the others Joyn application settings. But, we can't know if these applications are active or not. An Android SharedLibray with the same name in several applications doesn't work correctly.

For Example:

We have 3 applications com.aaa.rcs, com.bbb.rcs, com.ccc.rcs with different package, but with a shared library with the same name. Application Aaa set value "aaa", application Bbb set value "bbb", application Ccc set value "ccc".

An other application gets values:

- Get Aaa value => "aaa" <- Ok
- Get Bbb value => "aaa" <- Not Ok, we have the same value of the first read
- Get Ccc value => "aaa" <- Not Ok, we have the same value of the first read

Now, if Ccc application gets values:

- Get Aaa value => "ccc" <- Not Ok, we have its own value
- Get Bbb value => "ccc" <- Not Ok, we have its own value

Workaround suggested by GSMA, only for downloadable client:

- Rename the name of the shared preference `GSMA_PREFS_NAME` in GsmaClientConnector.java