

Cellular Network Infrastructure - Feature #3228

build-system: check match between debian package names and shared object files

05/03/2018 12:36 PM - pespin

Status: Resolved	Start date: 05/03/2018
Priority: Normal	Due date:
Assignee: pespin	% Done: 100%
Category:	
Target version:	
Spec Reference:	
Description	
Debian names packages containing shared object libraries by adding the major version to the package name.	
For instance, libfoo.1.2.3 becomes libfoo1 .deb package, where "1" is the major version.	
For libtool's system current:revision:age, it gets translated into version number major.age.revision, where major=current-age, reflecting the fact that ABIs can be backwards compatible. Debian uses major to generate the package name.	
Further information can be found in https://osmocom.org/projects/cellular-infrastructure/wiki/Make_a_new_release#Versioning-considerations-for-libraries .	
Sometimes we incorrectly update LIBVERSION variable in Makefile.am with regards to the debian package name in debian/, and as a result we can end up for instance having a libfoo1 deb package containing a libfoo.0 -> libfoo.0.1.0 library files, which is wrong, since the debian package name should match the installed major version library. See OS#3175 as a real example.	
To prevent it, we should add some extra logic/hooks to debian/rules to match filenames being added to a library package are correct regarding its package name.	
Related issues:	
Related to libosmocore - Bug #3175: Packaging: Upgrading libosmocore impossib...	Resolved 04/16/2018
Related to Cellular Network Infrastructure - Feature #3229: build-system: je...	New 05/03/2018

History

#1 - 05/03/2018 12:36 PM - pespin

- Related to Bug #3175: Packaging: Upgrading libosmocore impossibel due to dpkg error overwriting libosmoctrl.so.0 added

#2 - 05/03/2018 12:41 PM - pespin

- Related to Feature #3229: build-system: jenkins.sh: Improve debian package generation test coverage during gerrit submission added

#3 - 09/06/2018 10:20 AM - pespin

- Status changed from New to Resolved

- % Done changed from 0 to 100

Related work done in <https://gerrit.osmocom.org/#/c/libosmocore/+10705/>