

## libosmcore - Feature #3765

### Build old (at least latest) releases of programs against "master of the day" libosmo\*

01/22/2019 09:11 PM - laforge

<b>Status:</b>	Resolved	<b>Start date:</b>	01/22/2019
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	osmith	<b>% Done:</b>	100%
<b>Category:</b>			
<b>Target version:</b>			
<b>Spec Reference:</b>			
<b>Description</b>			
As we've seen in issues like <a href="#">#3764</a> , as well as in <a href="http://lists.osmocom.org/pipermail/openbsc/2019-January/012703.html">http://lists.osmocom.org/pipermail/openbsc/2019-January/012703.html</a> - it is vital that we keep automatically building older applications against newer libraries. In fact, also older libraries like libosmo-{abis,netif,sccp} against libosmcore, as they require that.			
This way we should catch at least the most blatant traps of incompatibilities, such as			
<ul style="list-style-type: none"><li>• namespace collisions</li><li>• semantic changes that make autotest fail</li></ul>			
<b>Related issues:</b>			
Related to libosmcore - Bug #3867: Some older Osmocom program releases don't...		<b>New</b>	<b>03/27/2019</b>

## History

### #1 - 03/21/2019 03:13 PM - osmith

- Status changed from New to In Progress
- Assignee changed from Osmocom CNI Developers to osmith

### #2 - 03/26/2019 10:52 AM - osmith

- % Done changed from 0 to 80

The script is implemented.

Patches submitted:  
<https://gerrit.osmocom.org/#/q/topic:build-old-tags-against-master>

Jenkins job created:  
<https://jenkins.osmocom.org/jenkins/job/Osmocom-build-tags-against-master>

I have configured it to default to the last three releases of each relevant repository. There is a bit of subtle breakage already, so I'm currently adjusting the configuration to not build the breaking releases (so the job runs through successfully). I'll list the broken ones here, so we can decide what to do with them.

### #3 - 03/26/2019 12:28 PM - osmith

- % Done changed from 80 to 90

Current result, from <https://jenkins.osmocom.org/jenkins/job/Osmocom-build-tags-against-master/10/console>:

```
Building old tags against libraries from current master... (ERR: new error, err: known error)
* libosmo-abis      0.5.0      0.5.1      0.6.0
* libosmcore       0.12.1     1.0.0      1.0.1
* libosmo-netif    0.2.0      0.3.0      0.4.0
* libosmo-sccp     0.9.0      0.10.0     1.0.0
* openbsc          1.0.0 (err)  1.1.0      1.2.0
* osmo-bsc         1.2.1 (err)  1.3.0      1.4.0 (err)
* osmo-bts         0.8.0      0.8.1      1.0.0
* osmo-ggsn        1.2.1      1.2.2      1.3.0
* osmo-hlr         0.2.0      0.2.1      1.0.0
* osmo-ihh         0.2.0      0.3.0      0.4.0
* osmo-mgw         1.3.0 (err)  1.4.0 (err)  1.5.0
* osmo-msc         1.2.0      1.3.0 (err)  1.3.1
```

* osmo-pcu	0.5.0 (err)	0.5.1	0.6.0
* osmo-sgsn	1.2.0 (err)	1.3.0 (err)	1.4.0 (err)
* osmo-sip-connector	1.1.0	1.1.1	1.2.0
* osmo-trx	0.3.0	0.4.0	1.0.0

These are marked as known errors for now, because they fail for various reasons:

1. openbsc 1.0.0: testsuite
2. osmo-bsc 1.2.1: depends on libosmo-legacy-mgcp
3. osmo-bsc 1.4.0: testsuite
4. osmo-mgw: 1.3.0: testsuite
5. osmo-mgw: 1.4.0: testsuite
6. osmo-msc: 1.3.0: -Werror and deprecated gsm0480\_create\_ussd\_release\_complete()
7. osmo-pcu: 0.5.0: testsuite
8. osmo-sgsn 1.2.0: sgsn\_test.c: gtp.h: No such file or directory
9. osmo-sgsn 1.3.0: testsuite
10. osmo-sgsn 1.4.0: testsuite

[laforge](#) and everybody else: how should we proceed with these?

#### #4 - 03/27/2019 10:28 AM - osmith

- Status changed from *In Progress* to *Resolved*

- % Done changed from 90 to 100

Patches were merged, the jenkins job is up and running now (and already failing, because of a new incompatibility). I'll create a follow up issue for the errors we're seeing.

#### #5 - 03/27/2019 03:47 PM - osmith

- Related to Bug #3867: Some older Osmocom program releases don't build against current master libosmo\* added