

## Cellular Network Infrastructure - Feature #4563

### install test for centos packages (like the debian install test)

05/25/2020 07:16 AM - osmith

<b>Status:</b> Resolved	<b>Start date:</b> 05/25/2020
<b>Priority:</b> Normal	<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> Create jenkins jobs, that install all centos packages from the official repositories for nightly and latest.	
<b>Related issues:</b>	
Related to Cellular Network Infrastructure - Bug #3176: osmocom debian packag...	<b>Resolved</b> 04/16/2018
Related to Cellular Network Infrastructure - Bug #3369: no automatic testing ...	<b>Resolved</b> 06/29/2018
Related to Cellular Network Infrastructure - Feature #4550: Integrate RPM spe...	<b>Resolved</b> 05/13/2020
Related to Cellular Network Infrastructure - Bug #4567: rpm is failing on jen...	<b>Stalled</b> 05/29/2020

#### History

##### #1 - 05/25/2020 07:16 AM - osmith

- Related to Bug #3176: osmocom debian packages are not install / upgrade tested added

##### #2 - 05/25/2020 07:17 AM - osmith

- Related to Bug #3369: no automatic testing of Debian/Ubuntu packages added

##### #3 - 05/25/2020 07:17 AM - osmith

- Related to Feature #4550: Integrate RPM spec files into Osmocom repositories and build them on OBS added

##### #4 - 05/26/2020 12:27 PM - osmith

Concept:

- move scripts that install all packages and try to run the services from docker-playground.git to osmo-ci.git. In docker-playground.git, we only have scripts for one image (nothing shared), so it fits better in osmo-ci.git
- create a new image centos-repo-install-test in docker-playground.git
- in osmo-ci.git:
  - trigger building the images from docker-playground.git (there's already code for that)
  - mount the shared script dir inside the containers
  - run the scripts in the containers, with a distro parameter to do distro specific installation etc.
- adjust jenkins job builder yml to make use of the new structure and run it for centos, too

##### #5 - 05/26/2020 12:28 PM - osmith

- Status changed from New to In Progress

##### #6 - 05/27/2020 06:36 AM - osmith

- Tracker changed from Bug to Feature

##### #7 - 05/27/2020 10:41 AM - osmith

- % Done changed from 0 to 70

Patches submitted:

<https://gerrit.osmocom.org/q/topic:centos-install-test>

In jenkins:

- <https://jenkins.osmocom.org/jenkins/job/Osmocom-repo-install-centos/>
- <https://jenkins.osmocom.org/jenkins/job/Osmocom-repo-install-debian/>

I just noticed that the workspace is not cleaned up properly yet:

```
java.nio.file.FileSystemException:
/home/osmocom-build/jenkins/workspace/Osmocom-repo-install-debian/feed/nightly/label/osmocom-master-debian9/_repo_install_test_data/blacklist.txt: Operation not permitted
```

Furthermore, "Osmocom-repo-install-centos/feed=next" found a real error in the repository that needs to be fixed. This should not be problematic however, as it only occurs when installing osmo-trx-ipc and its debug symbols package (which AFAIK nobody is doing/trying at the moment):

```
Error: Transaction check error:
file /usr/lib/debug/usr/bin/ipc-driver-test-1.2.0.60.bb89-2.1.x86_64.debug conflicts between attempted installs of
osmo-trx-ipc-debuginfo-1.2.0.60.bb89-2.1.x86_64 and osmo-trx-ipc-1.2.0.60.bb89-2.1.x86_64
```

#### #8 - 05/27/2020 12:07 PM - osmith

osmith wrote:

I just noticed that the workspace is not cleaned up properly yet:

```
java.nio.file.FileSystemException:
/home/osmocom-build/jenkins/workspace/Osmocom-repo-install-debian/feed/nightly/label/osmocom-master-debian9/_repo_install_test_data/blacklist.txt: Operation not permitted
```

Resolved with: <https://gerrit.osmocom.org/c/osmo-ci/+/18518>

#### #9 - 05/27/2020 12:22 PM - osmith

- % Done changed from 70 to 90

osmith wrote:

Furthermore, "Osmocom-repo-install-centos/feed=next" found a real error in the repository that needs to be fixed. This should not be problematic however, as it only occurs when installing osmo-trx-ipc and its debug symbols package (which AFAIK nobody is doing/trying at the moment):

```
Error: Transaction check error:
file /usr/lib/debug/usr/bin/ipc-driver-test-1.2.0.60.bb89-2.1.x86_64.debug conflicts between attempted installs of
osmo-trx-ipc-debuginfo-1.2.0.60.bb89-2.1.x86_64 and osmo-trx-ipc-1.2.0.60.bb89-2.1.x86_64
```

also fixed (in osmo-trx.git osmith/ipc branch, which is what the script for next is currently building).

#### #10 - 05/27/2020 01:02 PM - osmith

rpm is failing on jenkins slave admin2-deb9build for some reason (is the machine broken?). But I can't look further into that now, I've configured the job to only run on build2-deb9build-ansible for now, this works fine.

```
error: rpmdb: BDB0060 PANIC: fatal region error detected; run recovery
error: db5 error(-30973) from db->close: BDB0087 DB_RUNRECOVERY: Fatal error, run database recovery
```

<https://jenkins.osmocom.org/jenkins/job/Osmocom-repo-install-centos/feed=next.label=osmocom-master-debian9/11/console>

#### #11 - 05/28/2020 07:20 AM - laforge

On Wed, May 27, 2020 at 01:02:57PM +0000, osmith [REDMINE] wrote:

rpm is failing on jenkins slave admin2-deb9build for some reason (is the machine broken?).

the machine is fine, it runs tons of other services. There is plenty of disk space, and no errors in the kernel log or other suspicious behavior.

I suggest:

- rebuilding the docker container
- restarting the deb9build lxc (can use "reboot" like a physical machine).

**#12 - 05/28/2020 10:13 AM - osmith**

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

- % Done changed from 90 to 100

laforge wrote:

On Wed, May 27, 2020 at 01:02:57PM +0000, osmith [REDMINE] wrote:  
I suggest:

- rebuilding the docker container

I've tried this yesterday, same result.

- restarting the deb9build lxc (can use "reboot" like a physical machine).

Debugging this now doesn't seem a good use of time, given that I also need to get the centos8 ttcn-3 implementation done. With the workaround of hardcoding a node, it is working now, and I'm certain that it is an issue with that specific jenkins node (admin2-deb9build).

I'll set this issue to resolved, as the centos packages install and systemd services test script is now rolled out.

**#13 - 05/28/2020 09:28 PM - laforge**

On Thu, May 28, 2020 at 10:13:13AM +0000, osmith [REDMINE] wrote:

Debugging this now doesn't seem a good use of time, [...]  
I'll set this issue to resolved, [...]

Then please at least create a separate ticket about the bug, as otherwise we lose all knowledge of it.

**#14 - 05/29/2020 06:18 AM - osmith**

laforge wrote:

On Thu, May 28, 2020 at 10:13:13AM +0000, osmith [REDMINE] wrote:

Debugging this now doesn't seem a good use of time, [...]  
I'll set this issue to resolved, [...]

Then please at least create a separate ticket about the bug, as otherwise we lose all knowledge of it.

<https://osmocom.org/issues/4567>

**#15 - 05/29/2020 06:18 AM - osmith**

- Related to Bug #4567: rpm is failing on jenkins slave admin2-deb9build in docker added