

# Osmocom.org Servers - Bug #4555

## host2 disk space running low

05/17/2020 08:11 AM - laforge

<b>Status:</b>	Resolved	<b>Start date:</b>	05/17/2020
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	laforge	<b>% Done:</b>	100%
<b>Category:</b>			
<b>Target version:</b>			
<b>Spec Reference:</b>			

### Description

```
/dev/md2          438G  377G   39G  91% /
```

- 199 GB are jenkins (build history / artefacts)
- 23GB is the deb8build jenkins slave lxc
- 79GB is the deb9build jenkins slave lxc
- 29GB are our docker image layers

We could add hard disks / SSDs to the server, but those are (rented) relatively expensive at ~ 8-10 EUR per month, which we'd have to double for RAID-1. It would be much more economic to upgrade from the AX60 to an AX51-NVMe (2x 1TB storage, faster CPU), which has only an EUR 5 per month price increase. However, that would mean migrating all data to a new machine and then finally switch over after everything is migrated.

### History

#### #1 - 05/17/2020 08:13 AM - laforge

- Description updated

#### #2 - 05/17/2020 08:18 AM - laforge

I've reclaimed 5GB due to 'docker image prune'.

In the debian9 build slave lxc,

- 33GB are docker images/layers
- 24GB are in /home/osmocom-build/jenkins/workspace

The workspace looks fine, but whether the 33GB docker layers are all needed remains to be investigated.

#### #3 - 05/17/2020 08:22 AM - laforge

What's quite interesting is the difference in 'du' output within the debian9 lxc and outside of it:

```
root@deb9build-ansible:~# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/md2        438G  371G   45G  90% /
```

```
root@host2 /var/lib/lxc # du --max-depth=1 -h
78G    ./deb9build-ansible
```

#### #4 - 06/12/2020 03:35 PM - laforge

- Status changed from New to In Progress

- % Done changed from 0 to 10

the problem is becoming more critical. I've inquired with Hetzner about an upgrade to AX51-NVMe.

The biggest consumer of space are the BTS tests at about 1.8 to 2 GB per build. We keep 35 at the moment, and we test master+latest for debian+centos, adding to almost 100GB at the moment already only for the BTS test.

As an interim measure, I am bzip'ing all those pcap files of the BTS tests.

**#5 - 07/01/2020 12:31 AM - roh**

- Priority changed from Normal to Urgent

disk ran full tonight.

redmine for osmocom.org stalled out, so i tried to reload the docker compose unit which failed (looped)

i scraped off 2% reserved space of /dev/md2 via tune2fs to get it up again - this is urgent now.

```
/dev/md2 438G 415G 8.9G 98% /
```

**#6 - 07/01/2020 06:20 AM - laforge**

The "easy" approach to get more disk space without deleting anything is:

```
cd /external/jenkins/home/jobs/ttcn3-bts-test
find . -iname \*pcap -exec bzip2 \{\} \;
```

Migrating to the new server is a too time-intensive distraction for me at the moment :/

**#7 - 07/17/2020 06:07 PM - roh**

disk was full again. i used the above script to gain 20gigs again.

note to self: use gzip next time, so wireshark can still directly open the files.

**#8 - 07/19/2020 09:30 AM - laforge**

- Status changed from In Progress to Resolved

- % Done changed from 10 to 100

all services migrated to new host2. The new machine still has a different IP address (178.63.23.163) and the old machine is running TCP + UDP port forwarding.

On Tuesday or Wednesday morning 8am, the IPs get migrated, and the old machine will disappear. I'm taking a last backup of the old 'host2' right now.

Resolving this ticket as the disk space problem is now absent.

I also re-compressed all pcap.bz2 to pcap.gz for convenience reasons.

```
/dev/md2 906G 397G 464G 47% /
```