

openQA Infrastructure (public) - action #89821

alert: **PROBLEM** Service Alert: openqa.suse.de/fs_/srv is **WARNING** (flaky, partial recovery with OK messages)

2021-03-10 08:41 - okurz

Status:	Resolved	Start date:	2021-03-10
Priority:	Normal	Due date:	
Assignee:	mkittler	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Ready		
Description			
Observation			
Multiple alert email reports: Notification: PROBLEM Host: openqa.suse.de State: WARNING Date/Time: Tue Mar 9 13:17:18 UTC 2021 Info: WARN - 80.1% used (64.06 of 79.99 GB), trend: +573.77 MB / 24 hours Service: fs_/srv See Online: https://thruk.suse.de/thruk/cgi-bin/extinfo.cgi?type=2&host=openqa.suse.de&service=fs_%2Fsrv			
Acceptance criteria			
<ul style="list-style-type: none">• AC1: /srv on osd has enough free space• AC2: alert is handled• AC3: icinga alert is only triggering if internal grafana alert is not handled or not effective			
Suggestions			
<ul style="list-style-type: none">• Follow the above thruk link to understand the monitoring data• Crosscheck alert limit "80%" with the limit we have in grafana• Make sure the grafana limit is smaller• Ensure there is enough space, e.g. ask EngInfra to increase or cleanup			
Related issues:			
Related to openQA Infrastructure (public) - action #100859: investigate how t...		Resolved	2021-10-12

History

#1 - 2021-03-10 08:41 - okurz

- Tags set to alert, thruk, icinga, srv, grafana, osd, postgres, storage, space

#2 - 2021-03-10 09:25 - mkittler

Looks like the relevant device is /dev/vdb so this is not about assets/results:

```
martchus@openqa:~> df -h / /srv/ /var/lib/openqa/share /var/lib/openqa/testresults
Dateisystem    Größe Benutzt Verf. Verw% Eingehängt auf
/dev/vdal      20G   8,1G   11G   44% /
/dev/vdb       80G   61G   20G   77% /srv
/dev/vdc       7,0T   5,6T   1,5T   80% /var/lib/openqa/share
/dev/vdd       5,5T   4,6T  1021G   82% /var/lib/openqa
```

In fact, it might be about the PostgreSQL database:

```
martchus@openqa:~> mount | grep /dev/vdb
/dev/vdb on /srv type xfs (rw,noatime,nodiratime,attr2,inode64,logbufs=8,logbsize=256k,noquota)
/dev/vdb on /var/lib/pgsql type xfs (rw,noatime,nodiratime,attr2,inode64,logbufs=8,logbsize=256k,noquota)
```

#3 - 2021-03-10 11:04 - okurz

Yes, /srv is the filesystem where we store mostly the database but a bit of other data as well. Sorry if that was not clear. I have mentioned "postgres" only as a tag, not in the text of the description

#4 - 2021-03-10 15:20 - mkittler

It is really mostly the database:

```
--- /srv
 54,0 GiB [#####] /PSQL10
  6,2 GiB [#      ] /log

  1,3 GiB [      ] homes.img
 23,1 MiB [      ] /salt
 10,0 MiB [      ] /pillar
```

We've already shared some figures within the chat and the indexes using most of the disk space. Here are the commands I've used to check this out: <https://github.com/Martchus/openQA-helper#show-postgresql-table-sizes>

Not sure whether we can easily improve/optimize this. We also likely can't just drop most of the indexes because they are actually there for a reason.

So I'd follow the last suggestion for now and asked infra to increase the size of /dev/vdb, e.g. to 100 GiB (so far we have 80 GiB).

#5 - 2021-03-10 18:16 - okurz

So I'd follow the last suggestion for now and asked infra to increase the size of /dev/vdb, e.g. to 100 GiB (so far we have 80 GiB).

Good. I assume you did so with ticket. Can you please reference the ticket? And did you include osd-admins@suse.de in CC?

#6 - 2021-03-11 09:24 - mkittler

- Assignee set to mkittler

I haven't done anything because I wanted to wait for at least one reply within the team. I'll do it now then.

#7 - 2021-03-12 10:54 - mkittler

- Status changed from Workable to Blocked

<https://infra.nue.suse.com/SelfService/Display.html?id=186825>

#8 - 2021-03-12 15:49 - mkittler

- Status changed from Blocked to Feedback

- Priority changed from Urgent to Normal

```
martchus@openqa:~> df -h /dev/vdb
Dateisystem  Größe Benutzt Verf. Verw% Eingehängt auf
/dev/vdb     80G    62G   19G   78% /srv
martchus@openqa:~> sudo xfs_growfs /var/lib/pgsql
meta-data=/dev/vdb          isize=256    agcount=16, agsize=1310720 blks
             =              sectsz=4096  attr=2,   projid32bit=1
             =              crc=0        finobt=0  spinodes=0 rmapbt=0
             =              reflink=0
data        =              bsize=4096 blocks=20971520, imaxpct=25
             =              sunit=0     swidth=0 blks
naming      =version 2   bsize=4096 ascii-ci=0 ftype=0
log         =Intern    bsize=4096 blocks=2560, version=2
             =              sectsz=4096 sunit=1 blks, lazy-count=1
realtime    =keine     extsz=4096 blocks=0, rtextents=0
Datenblöcke von 20971520 auf 26214400 geändert.
martchus@openqa:~> df -h /dev/vdb
Dateisystem  Größe Benutzt Verf. Verw% Eingehängt auf
/dev/vdb     100G   62G   39G   62% /srv
```

They gave us more space so I guess we're good for now (AC1 and AC2).

About AC3: Should I change the threshold in our monitoring from 90 % to 80 % or should I asked Infra to change the threshold in their monitoring from 80 % to 90 %. Or we just keep the 2 alerts differently so the Infra alert serves as initial alert and our own alert as a last reminder.

#9 - 2021-03-12 16:06 - okurz

About AC3: Should I change the threshold in our monitoring from 90 % to 80 % or should I asked Infra to change the threshold in their monitoring from 80 % to 90 %. Or we just keep the 2 alerts differently so the Infra alert serves as initial alert and our own alert as a last reminder.

I suggest to keep the 2 alerts but the other way around: Our alert first on 80% and the EngInfra alert on 90%, i.e. ask 'em to bump to 90%.

#10 - 2021-03-12 16:35 - mkittler

I've asked them: <https://infra.nue.suse.com/SelfService/Display.html?id=186868>

#11 - 2021-03-29 13:10 - okurz

- Status changed from *Feedback* to *Blocked*

blocked by <https://infra.nue.suse.com/SelfService/Display.html?id=186868>

#12 - 2021-04-13 08:13 - okurz

- Status changed from *Blocked* to *Resolved*

Confirmed with Daniel Rodríguez,

https://thruk.suse.de/thruk/cgi-bin/extinfo.cgi?type=2&host=openqa.suse.de&service=fs_/srv#pnp_th2/1618211527/1618301527/0 looks good

#13 - 2021-10-14 09:11 - okurz

- Related to action #100859: investigate how to optimize /srv data utilization on OSD size:S added