

FreeNAS - Bug #25525

Move consul_dir to /var/tmp

08/10/2017 12:44 AM - Landry Breuil

Status:	Resolved	
Priority:	Important	
Assignee:	Kris Moore	
Category:	OS	
Target version:	11.0-U3	
Seen in:	11.0-U2	Needs Merging: Yes
Severity:	New	Needs Automation: No
Reason for Closing:		Support Suite Ticket: n/a
Reason for Blocked:		Hardware Configuration:
Needs QA:	No	ChangeLog Required: No
Needs Doc:	Yes	

Description

A bit similar to [#25161](#), along with collectd, i see consul generating constant writes to the disks/system pool - when the system is idle, every 5s the disks are hit by the temporary files generated in /var/db/system/consul.

Afaict, the 'default' consul config would be to put the temporary files under /var/tmp, which fortunately for us is a tmpfs:

```
root@grimsel:~ # grep consul_dir /usr/local/etc/rc.d/consul|head -2
# consul_dir (dir):          Set dir to run consul in.
: ${consul_dir:="/var/tmp/consul"}
```

How about using the default instead of setting consul_dir to /var/db/system/consul in rc.conf ? Does it really need a permanent storage ? What's its usecase if no alert services are configured ?

As for collectd, im still able to patch collectd.conf to send its writes to a remote rrdcached, so that when i have no clients on the server, the disk i/o is zero (as it was the case in my previous freenas 9 setup..)

Associated revisions

Revision 071ed241 - 08/14/2017 07:37 AM - Kris Moore

Don't need to set the consul_dir variable to persistent storage, the default of /var/tmp is fine, since its only for current state information.

Ticket: #25525

Revision d4a79ab2 - 08/14/2017 07:49 AM - Kris Moore

Don't need to set the consul_dir variable to persistent storage, the default of /var/tmp is fine, since its only for current state information.

Ticket: #25525

Revision 78900294 - 08/17/2017 06:27 PM - Kris Moore

Don't need to set the `consul_dir` variable to persistent storage, the default of `/var/tmp` is fine, since its only for current state information.

Ticket: #25525

History

#1 - 08/10/2017 04:42 AM - Dru Lavigne

- Assignee changed from Release Council to Kris Moore

Over to Kris for consideration.

#2 - 08/11/2017 05:46 AM - Landry Breuil

Of course coming from [#22184](#), there's not much justification for <https://github.com/freenas/freenas/commit/5f772c5fb05adad3b4f82c15a3b9d7395773edcb> in the ticket..

I'm still trying to understand why even with this disabled, i still get writes to daX devices, while `top -m io` or `zpool iostat` shows almost nothing when idle.. now to write dtrace scripts.

#3 - 08/11/2017 05:54 AM - Dru Lavigne

- Category changed from Documentation to OS

#4 - 08/14/2017 07:37 AM - Kris Moore

- Status changed from Unscreened to Fix In Progress
- Target version set to 11.0-U3

Yea, you are right. It looks like this is only for temp agent state, no reason to set that dir. I'll get it fixed.

#5 - 08/14/2017 07:51 AM - Kris Moore

- Status changed from Fix In Progress to Needs Developer Review
- Assignee changed from Kris Moore to John Hixson
- Priority changed from No priority to Important

Fix is in master, over to John for review into -U3

<https://github.com/freenas/freenas/pull/272>

#6 - 08/14/2017 11:55 AM - John Hixson

- Status changed from Needs Developer Review to Reviewed by Developer
- Assignee changed from John Hixson to Release Council

Looks good to me

#7 - 08/14/2017 01:19 PM - Vaibhav Chauhan

- Status changed from Reviewed by Developer to 47

- Assignee changed from Release Council to Joe Maloney

#8 - 08/24/2017 08:03 AM - Dru Lavigne

- Subject changed from Consul causing constant disk writes to Move consul_dir to /var/tmp

#9 - 08/28/2017 10:19 AM - Joe Maloney

- Status changed from 47 to Ready For Release

- Needs QA changed from Yes to No

- QA Status Test Passes added

- QA Status deleted (Not Tested)

```
root@bonniemini:/var/tmp # ls
.bootready
.PBI.5379
.PBI.5509
.rnd
.smartalert
.sync_disk_done
.vmwarelogin_fails
alert
consul
consul-notifications.log
firmware
freenas_config.md5
ixdiagnose_boot.log
minio
nginx
nomad
pbi-repo.rpo
rc.conf.freenas
sessionidcpk2g28rw253ke5xflp0t261rflj9wzu
sessionidqc7p9h1vwplbq3mdf2g471lq9sijtjes
vi.recover
root@bonniemini:/var/tmp # cd consul
root@bonniemini:/var/tmp/consul # ls
checkpoint-signature raft serf
root@bonniemini:/var/tmp/consul # ls -la
total 5
drwxr-xr-x 4 root wheel 192 Aug 28 10:04 .
drwxrwxrwt 10 root wheel 1344 Aug 28 10:18 ..
-rw-r--r- 1 root wheel 394 Aug 28 10:04 checkpoint-signature
drwxr-xr-x 3 root wheel 192 Aug 28 10:03 raft
drwxr-xr-x 2 root wheel 128 Aug 28 10:03 serf
```

#10 - 08/28/2017 10:21 AM - Dru Lavigne

- Assignee changed from Joe Maloney to Kris Moore

#11 - 09/06/2017 11:51 AM - Vaibhav Chauhan

- Status changed from Ready For Release to Resolved