

openQA Infrastructure - action #57962

Needle load time increase

2019-10-10 15:44 - acarvajal

Status:	Resolved	Start date:	2019-10-10
Priority:	High	Due date:	
Assignee:	okurz	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Current Sprint		

Description

Needle load time has increased since 09.10.2019 morning, from 3-5 seconds, to 60+ seconds.

This may cause failures in tests with time sensitive screen actions, for example offline upgrades with PATCH=1 which schedule:

```
migration/reboot_to_upgrade
migration/version_switch_upgrade_target
installation/isosize
installation/bootloader
```

The needle load time increase makes migration/version_switch_upgrade_target to take over 2 minutes to complete while the VM is rebooting in the background. When the test reaches installation/bootloader, SUT is already in the GRUB menu so it is not able to select upgrade from the installation menu and fails.

The following data is from HA offline migration tests and compare the last failing one vs the last passing one.

offline + SCC migration from 12sp4:

```
[2019-10-09T16:01:52.266 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 14:01:52 (108 s)
vs
[2019-10-09T01:03:01.624 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 23:03:01 (3 s)
```

offline + SCC migration from 12sp4:

```
[2019-10-09T22:12:39.589 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 20:12:39 (121 s)
vs
[2019-10-09T00:57:00.555 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 22:57:00 (3 s)
```

offline from 11sp4:

```
[2019-10-09T18:52:58.316 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 16:52:58 (194 s)
vs
[2019-10-09T01:16:05.424 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 23:16:05 (3 s)
```

offline from 11sp4:

```
[2019-10-09T18:51:43.165 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 16:51:43 (212 s)
vs
[2019-10-09T01:04:28.904 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 23:04:28 (3 s)
```

offline from 12sp2-Itss:

```
[2019-10-09T18:44:03.649 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 16:44:03 (190 s)
vs
[2019-10-09T00:55:09.279 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 22:55:09 (3 s)
```

offline from 12sp2-Itss:

```
[2019-10-09T22:09:06.597 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 20:09:06 (198 s)
vs
[2019-10-09T00:50:04.276 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 22:50:04 (5 s)
```

offline from 12sp3-Itss:

[2019-10-09T22:13:16.424 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 20:13:16 (152 s)
vs
[2019-10-09T01:06:02.459 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 23:06:02 (3 s)

offline from 12sp3-Itss:

[2019-10-09T22:15:35.895 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 20:15:35 (121 s)
vs
[2019-10-09T01:07:07.188 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 23:07:07 (3 s)

offline from 12sp4:

[2019-10-09T22:19:55.434 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 20:19:55 (487 s)
vs
[2019-10-09T00:52:54.409 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 22:52:54 (5 s)

offline from 12sp4:

[2019-10-09T22:04:26.060 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-09 20:04:26 (97 s)
vs
[2019-10-09T00:57:15.750 CEST] [debug] ||| finished version_switch_upgrade_target migration at 2019-10-08 22:57:15 (3 s)

More logs in: <https://openqa.suse.de/tests/overview?distri=sle&version=12-SP5&build=0155%400350&groupid=157>

Related issues:

Related to openQA Project - action #56789: New needles from git repository no...

New

2019-09-11

History

#1 - 2019-10-10 15:53 - okurz

- Status changed from New to In Progress

- Assignee set to okurz

so seems very likely to be linked to yesterdays deployment with upgrade of both worker and os-autoinst. Diffs are:

- openQA-worker: 4.6.1569991263.a96053cdc-lp151.1859.1..4.6.1570550933.4d654a67a-lp151.1882.1
- os-autoinst: 4.5.1569914332.5870aebd-lp151.180.1..4.5.1570546690.6aabb29c-lp151.184.1

openQA-worker:

```
0e9086386 Make clickable links if a setting looks like a URL
2668e2598 Too many webui requests take more than a second to be processed, so limiting concurrency is much safer for now
10c54b000 Add note about plugins not to enable on typical production setups
9740f4ab2 (HEAD -> enhance/apparmor, okurz/enhance/apparmor) apparmor: Update profile based on current o3 state
1021bb92f Elaborate on differences between table and YAML
226ed29a1 Use fork for nightly circleci job (#2365)
7953cd21c Retry limit asset job on key constraint violations during scans
885b5160f Improve job dependencies documentation
4aff6eab5 Dependency cron 191002000541
ee7054888 Correctly propagate job template name from YAML
```

os-autoinst:

```
bcbed8c6 Fix error handling when passing message from ws client to isotovideo
76bd97b9 (okurz/fix/script_run, fix/script_run) Add possibility to have a comment text in script_run (fixed)
2415ff3a (okurz/fix/ev_timer, fix/ev_timer) t: Fix 'Not enough arguments for EV::timer' with import ordering
eb20617f Allow loading needles from pool directory
```

My bet is on <https://github.com/os-autoinst/os-autoinst/pull/1217/commits/eb20617f5c259e7df93495aa98045c5145fc0df0>

Verified the problem together with mktittler by running isotovideo locally and we could observe a heavy increase in loading time, "last good":

```
okurz@linux-28d6:~/os-autoinst/local/x86_micro_selftest_opensuse 0 (fix/needle_load_time) $ ../../isotovideo -d
[2019-10-10T18:22:14.904 CEST] [debug] Current version is c66cc5fc573cb5a993d2d167bc8416bfa2c6d147 [interface
```

```
v17]
[2019-10-10T18:22:15.118 CEST] [debug] init needles from /var/lib/openqa/share/tests/opensuse/products/opensuse/needles
[2019-10-10T18:22:16.308 CEST] [debug] loaded 5520 needles
```

"first bad":

```
okurz@linux-28d6:~/os-autoinst/local/x86_micro_selftest_opensuse 0 (fix/needle_load_time) $ ../../isotovideo
-d
[2019-10-10T18:22:42.554 CEST] [debug] Current version is e55df29235d5d996a146ec4e5ec870cb0af12aa3 [interface
v17]
[2019-10-10T18:22:42.568 CEST] [debug] git hash in /var/lib/openqa/share/tests/opensuse: 03a81cc763a80046a36a9
ac9fead8bb72722147d
[2019-10-10T18:22:42.921 CEST] [debug] init needles from /var/lib/openqa/share/tests/opensuse/products/opensuse/needles
[2019-10-10T18:23:23.290 CEST] [debug] loaded 5520 needles
```

Reverted with

<https://github.com/os-autoinst/os-autoinst/pull/1224>

Hotpatched OSD workers with:

```
sudo salt '*' cmd.run 'curl -s https://github.com/os-autoinst/os-autoinst/commit/eb20617f5c259e7df93495aa98045
c5145fc0df0.patch | sudo patch -R -p1 --batch --force -d /usr/lib/os-autoinst/'
```

#2 - 2019-10-10 16:22 - coolo

We're talking about this time, right?

before:

```
[2019-10-04T03:02:35.238 CEST] [debug] init needles from /var/lib/openqa/cache/openqa.suse.de/tests/sle/products/sle/needles
[2019-10-04T03:02:37.322 CEST] [debug] loaded 9589 needles
```

after:

```
[2019-10-10T15:13:31.009 CEST] [debug] init needles from /var/lib/openqa/cache/openqa.suse.de/tests/sle/products/sle/needles
[2019-10-10T15:14:07.710 CEST] [debug] loaded 9575 needles
```

While I agree that the commit stands out as related, it doesn't really make sense in my head - as it only adds an if

#3 - 2019-10-10 16:38 - coolo

On o3 the slowdown can be pinned down to the 8th:

```
01051/01051423-opensuse-Tumbleweed-DVD-ppc64le-Build20191007-ltp_capbounds@ppc64le/autoinst-log.txt:[2019-10-0
8T16:36:27.760 UTC] [debug] init needles from /var/lib/openqa/cache/openqa1-opensuse/tests/opensuse/products/o
pensuse/needles
01051/01051423-opensuse-Tumbleweed-DVD-ppc64le-Build20191007-ltp_capbounds@ppc64le/autoinst-log.txt-[2019-10-0
8T16:36:29.207 UTC] [debug] loaded 5801 needles
--
01051/01051424-microos-Staging:D-Staging-DVD-x86_64-Build226.1-container-host@64bit-2G-HD40G/autoinst-log.txt:
[2019-10-08T14:44:28.841 CEST] [debug] init needles from /var/lib/openqa/cache/openqa1-opensuse/tests/microos/
products/microos/needles
01051/01051424-microos-Staging:D-Staging-DVD-x86_64-Build226.1-container-host@64bit-2G-HD40G/autoinst-log.txt-
[2019-10-08T14:44:53.216 CEST] [debug] loaded 5800 needles
```

#4 - 2019-10-10 16:47 - coolo

ok, that was misleading as power8 wasn't deployed

#5 - 2019-10-10 16:54 - coolo

<https://github.com/os-autoinst/os-autoinst/pull/1224/files#r333629471> - will you redeploy osd then?

#6 - 2019-10-10 18:16 - okurz

I updated my previous comment. I think this is why you haven't read that I hotpatched on OSD already. Any new deployment of os-autoinst will include the merged revert but I would not plan a new deployment yet.

Jobs can be retrigged, hotpatch can be applied to o3 as well or we wait until the night.

EDIT: power8.o.o did not even install latest os-autoinst packages, to be checked. Others rolled back with for i in aarch64 openqaworker1 openqaworker4 imagetester; do echo \$i && ssh root@\$i "transactional-update rollback last && reboot"; done

#7 - 2019-10-10 18:31 - okurz

- Related to action #56789: New needles from git repository not working with openqa-clone-custom-git-refspec added

#8 - 2019-10-10 19:59 - okurz

- Status changed from In Progress to Resolved

- Target version set to Current Sprint

many tests retriggered on both osd as well as some on o3 (probably none failed for because of this ticket though).