

openQA Project - action #62459

coordination # 62456 (Workable): [epic] test incompletes after failing in GRU download task on "Inactivity timeout" with no logs

Retry on download errors within GRU download tasks

2020-01-21 12:31 - okurz

Status: Resolved	Start date: 2020-01-21
Priority: Normal	Due date:
Assignee: kraith	% Done: 0%
Category: Feature requests	Estimated time: 0.00 hour
Target version: Current Sprint	
Difficulty:	

Description

Observation

openQA test in scenario obs-Unstable-Appliance-x86_64-obs_appliance@64bit-4G fails to download in [GRU](#) on

Gru job failed
Reason: asset download: download of http://download.opensuse.org/repositories/OBS:/Server:/Unstable/images/obs-server.x86_64-2.10.51-qcow2-Build2.438.qcow2 to /var/lib/openqa/share/factory/hdd/obs-server.x86_64-2.10.51-qcow2-Build2.438.qcow2 failed: connection error: Inactivity timeout at /usr/share/openqa/script/./lib/OpenQA/Task/Asset/Download.pm line 74.

Reproducible

Hard, seems to be related to temporary network problems.

Acceptance criteria

- GRU download retries automatically on temporary network problems

Suggestions

Similar to what was done for retry in cache asset download in [#55529](#) we could also retry downloads on what seems to be temporary network issues within GRU download jobs.

Further details

Always latest result in this scenario: [latest](#)

Related issues:		
Related to openQA Project - action #55529: job incompletes when it can not re...	Resolved	2019-08-14
Related to openQA Project - action #62159: Asset GRU download not done by web...	Resolved	2020-01-15

History

#1 - 2020-01-21 12:31 - okurz

- Related to action #55529: job incompletes when it can not reach the openqa webui host just for a single time aka. retry on 521 connect timeout in cache added

#2 - 2020-01-27 20:13 - okurz

- Related to action #62159: Asset GRU download not done by web UI host if job scheduled by `isos post`, fails to download and then cloned (was: ... using the Web UI) added

#3 - 2020-01-28 10:39 - kraith

- Assignee set to kraith

I'll take a look at combining gru and cache service downloads into a shared module. Both do pretty much the same work, and the cache service has a

reliable retry feature already. Sharing tests for all the various special cases will also make future maintenance easier.

#4 - 2020-02-03 09:29 - cdywan

- Target version set to Current Sprint

#5 - 2020-02-04 15:46 - kraih

- Status changed from Workable to In Progress

Think i have a workable solution now, just need to improve test coverage a bit more before opening the PR.

#6 - 2020-02-19 13:41 - kraih

Opened a PR. <https://github.com/os-autoinst/openQA/pull/2736>

#7 - 2020-02-21 12:22 - kraih

- Status changed from In Progress to Feedback

PR has been merged and deployed on O3.

#8 - 2020-02-21 12:32 - kraih

Looked a bit through the O3 logs and it seems to be helping with network errors.

```
[2020-02-21T01:36:01.0900 UTC] [debug] [#132159] Downloading "http://download.opensuse.org/repositories/KDE:/Medias/images/iso/opensuse_Krypton.x86_64-5.12.80-Build16.9.iso" to "/var/lib/openqa/share/factory/iso/opensuse_Krypton.x86_64-5.12.80-Build16.9.iso"
[2020-02-21T01:36:01.0900 UTC] [info] [#132159] Downloading "opensuse_Krypton.x86_64-5.12.80-Build16.9.iso" from "http://download.opensuse.org/repositories/KDE:/Medias/images/iso/opensuse_Krypton.x86_64-5.12.80-Build16.9.iso"
[2020-02-21T01:37:48.0261 UTC] [info] [#132159] Size of "/var/lib/openqa/share/factory/iso/opensuse_Krypton.x86_64-5.12.80-Build16.9.iso" differs, expected 982MiB but downloaded 325MiB
[2020-02-21T01:37:48.0378 UTC] [info] [#132159] Download error 598, waiting 5 seconds for next try (4 remaining)
[2020-02-21T01:37:53.0379 UTC] [info] [#132159] Downloading "opensuse_Krypton.x86_64-5.12.80-Build16.9.iso" from "http://download.opensuse.org/repositories/KDE:/Medias/images/iso/opensuse_Krypton.x86_64-5.12.80-Build16.9.iso"
[2020-02-21T01:38:58.0748 UTC] [info] [#132159] Size of "/var/lib/openqa/share/factory/iso/opensuse_Krypton.x86_64-5.12.80-Build16.9.iso" differs, expected 982MiB but downloaded 535MiB
[2020-02-21T01:38:58.0873 UTC] [info] [#132159] Download error 598, waiting 5 seconds for next try (3 remaining)
[2020-02-21T01:39:03.0874 UTC] [info] [#132159] Downloading "opensuse_Krypton.x86_64-5.12.80-Build16.9.iso" from "http://download.opensuse.org/repositories/KDE:/Medias/images/iso/opensuse_Krypton.x86_64-5.12.80-Build16.9.iso"
[2020-02-21T01:41:16.0994 UTC] [debug] [#132159] Download of "/var/lib/openqa/share/factory/iso/opensuse_Krypton.x86_64-5.12.80-Build16.9.iso" successful
```

#9 - 2020-02-21 19:21 - okurz

- Status changed from Feedback to Resolved

It's great to see that you also looked into the logs of the production instance and even found the cases of retries being triggered so I am confident that the feature works as intended and the ACs are fulfilled.