openQA Project - action #91527

coordination # 39719 (Resolved): [saga][epic] Detection of "known failures" for stable tests, easy test results review and easy tracking of known issues

coordination # 19720 (Resolved): [epic] Simplify investigation of job failures

Cleanup logging in autoinst-log.txt

2021-04-21 15:30 - okurz

Status:	Resolved		**Start date:**	2021-04-21
Priority:	Normal		**Due date:**	
Assignee:	ilausuch		**% Done:**	0%
Category:	Feature requests		**Estimated time:**	0.00 hour
Target version:	Ready			
Difficulty:				

Description

Motivation

openQA test reviewers often rely on autoinst-log.txt for investigation on job failures. Not all messages in that log are well structured, e.g. plain "print-statements" as well as crucial information hidden in "debug" messages as well as less relevant information in a too prominent log level. Readability can be improved.

Acceptance criteria

- **AC1:** No plain print-statements in a common autoinst-log.txt
- **AC2:** The main recurring log messages of a common log file have been reviewed

Suggestions

- Take a look at a standard job, e.g. following https://openqa.opensuse.org/tests/latest?arch=x86_64&distri=opensuse&flavor=DVD&machine=64bit&test=textmode&version=Tumbleweed and find the autoinst-log.txt
- When reading the log file find individual issues, delegate to other tickets or fix directly

Related issues:

Related to qe-yast - action #89485: Implement feature to use separate log fil...	**Closed**	**2021-03-04**
Related to openQA Project - action #92902: Remove unnecessary linebreaks in c...	**Workable**	**2021-05-20**

History

#1 - 2021-05-03 11:55 - ilausuch

- Status changed from Workable to In Progress

- Assignee set to ilausuch

#2 - 2021-05-03 14:57 - ilausuch

Should this case be considered?

The code line
https://github.com/os-autoinst/openQA/blob/3cb36e69423ebe3abf9c7f1c23c2906d2f615b91/lib/OpenQA/Worker/Engines/isotovideo.pm#L143
generates this output

```
[2021-05-03T05:24:40.0419 CEST] [info] Download of openSUSE-Tumbleweed-DVD-x86_64-Snapshot20210502-Media.iso.s
ha256 processed:
[info] [#70]
Cache size of "/var/lib/openqa/cache" is 21GiB, with limit 180GiB
[info] [#70]
Downloading "openSUSE-Tumbleweed-DVD-x86_64-Snapshot20210502-Media.iso.sha256" from "http://openqa1-opensuse/t
ests/1724624/asset/other/openSUSE-Tumbleweed-DVD-x86_64-Snapshot20210502-Media.iso.sha256"
[info] [#70]
Size of "/var/lib/openqa/cache/openqa1-opensuse/openSUSE-Tumbleweed-DVD-x86_64-Snapshot20210502-Media.iso.sha2
56" is 124 Byte, with ETag ""7c-5c1646608dad8""
[info] [#70]
```

What is expected in this case? All the output in the same line?

#3 - 2021-05-04 04:08 - openqa_review

- Due date set to 2021-05-18

Setting due date based on mean cycle time of SUSE QE Tools

#4 - 2021-05-05 08:03 - cdywan

ilausuch wrote:

> Should this case be considered?
>
> The code line
> https://github.com/os-autoinst/openQA/blob/3cb36e69423ebe3abf9c7f1c23c2906d2f615b91/lib/OpenQA/Worker/Engines/isotovideo.pm#L143
> generates this output

```
[2021-05-03T05:24:40.0419 CEST] [info] Download of openSUSE-Tumbleweed-DVD-x86_64-Snapshot20210502-Media.i
so.sha256 processed:
[info] [#70]
Cache size of "/var/lib/openqa/cache" is 21GiB, with limit 180GiB
[info] [#70]
Downloading "openSUSE-Tumbleweed-DVD-x86_64-Snapshot20210502-Media.iso.sha256" from "http://openqa1-opensu
se/tests/1724624/asset/other/openSUSE-Tumbleweed-DVD-x86_64-Snapshot20210502-Media.iso.sha256"
[info] [#70]
Size of "/var/lib/openqa/cache/openqa1-opensuse/openSUSE-Tumbleweed-DVD-x86_64-Snapshot20210502-Media.iso.
sha256" is 124 Byte, with ETag ""7c-5c1646608dad8""
[info] [#70]
```

> What is expected in this case? All the output in the same line?

- What is [info] [#70] here?
- The line break after the prefix strikes me as wrong. It inflates the log size and hampers filtering e.g. you can't really grep this by prefix

#5 - 2021-05-05 09:01 - okurz

cdywan wrote:

> - What is [info] [#70] here?

That's the output of the cache service minion processes which we collect here. I think we should either have a timestamp prefixed on front or – as discussed yesterday with ilausuch – use something like a markdown quotation style to separate the block body from the first log line that encapsulates it. For a start I suggest to simply prepend each line of the body by 2 spaces

> - The line break after the prefix strikes me as wrong. It inflates the log size and hampers filtering e.g. you can't really grep this by prefix

I agree. I don't remember seeing that from the beginning when implemented such log lines. Looks like a regression.

As discussed yesterday with ilausuch I suggest that within this ticket we look for simple solutions where we can and identify hard parts that can not be easily solved and report them into separate tickets for followup.

#6 - 2021-05-11 14:40 - okurz

- Related to action #89485: Implement feature to use separate log file for REST API added

#7 - 2021-05-12 10:55 - ilausuch

In logs we can se
[0mStart CPU
This is a print in the os-autoinst/backend/qemu.pm

https://github.com/os-autoinst/os-autoinst/pull/1668

#8 - 2021-05-12 14:43 - ilausuch

Previously the new lines appear without indentation. But for a
better reading and parsing the new lines that belongs to a
log entry are indented as markdown style

```
[2021-05-12T16:34:22.474 CEST] [debug] <<< testapi::assert_screen(mustmatch=[
  "partitioning-edit-proposal-button",
```

```
    "before-role-selection",
    "inst-instmode",
    "online-repos"
], timeout=120)
```

This is the new format:

```
[2021-05-12T16:34:22.474 CEST] [debug] <<<testapi::assert_screen(mustmatch=[
    "partitioning-edit-proposal-button",
    "before-role-selection",
    "inst-instmode",
    "online-repos"
  ], timeout=120)
```

https://github.com/os-autoinst/os-autoinst/pull/1669

#9 - 2021-05-13 08:36 - ilausuch

Other logs detected

```
[0mWARNING: cv::norm() returned NaN (poo#68474)

[0mGOT GO

[0m/hdd/openqa-devel/repos/os-autoinst/consoles/vnc_base.pm:62:{
  "hostname" => "localhost",
  "port" => 5991,
  "connect_timeout" => 3
}

[0m[2021-05-13T13:12:01.111 CEST] [debug] tests/installation/system_role.pm:83 called system_role::assert_syst
em_role -> tests/installation/system_role.pm:65 called system_role::change_system_role -> tests/installation/s
ystem_role.pm:45 called testapi::send_key_until_needlematch

Web application available at http://0.0.0.0:20013

[2021-05-17T13:49:33.0579 CEST] [info] Download of Tumbleweed.x86_64-1.0-virtualbox-Snapshot20210516.vagrant.v
irtualbox.box processed:
[info] [#358]
Cache size of "/var/lib/openqa/cache" is 57GiB, with limit 180GiB
[info] [#358]
Downloading "Tumbleweed.x86_64-1.0-virtualbox-Snapshot20210516.vagrant.virtualbox.box" from "http://openqa1-op
ensuse/tests/1745884/asset/other/Tumbleweed.x86_64-1.0-virtualbox-Snapshot20210516.vagrant.virtualbox.box"
[info] [#358]
Content of "/var/lib/openqa/cache/openqa1-opensuse/Tumbleweed.x86_64-1.0-virtualbox-Snapshot20210516.vagrant.v
irtualbox.box" has not changed, updating last use
```

#10 - 2021-05-14 08:56 - ilausuch

- File autoinst-log.txt added

I would like to share the output log of a job run using:
https://github.com/os-autoinst/os-autoinst/pull/1670

#11 - 2021-05-14 11:29 - okurz

looks good. There are things which look like not affected by the indention, e.g.

```
/hdd/openqa-devel/repos/os-autoinst/consoles/vnc_base.pm:62:{
  "port" => 5991,
  "connect_timeout" => 3,
  "hostname" => "localhost"
}
```

which I think I can fix myself in https://github.com/os-autoinst/os-autoinst/pull/1673 :)

#12 - 2021-05-18 12:57 - ilausuch

- Status changed from In Progress to Resolved

As https://github.com/os-autoinst/os-autoinst/pull/1670 is merged, this ticket is finished. Remain detected cases will be inserted in
https://progress.opensuse.org/issues/65271

#13 - 2021-05-20 11:26 - tinita

I was wondering about this:

```
[info] [#70]
Cache size of "/var/lib/openqa/cache" is 21GiB, with limit 180GiB
```

I think the linebreak after [info] [#70] comes from a wrong handling of log messages, for example in:

https://github.com/os-autoinst/openQA/blob/master/lib/OpenQA/CacheService/Task/Asset.pm#L50-L54

```
    $log->on(
        message => sub {
            my ($log, $level, @lines) = @_;
            $output .= "[$level] " . join "\n", @lines, '';
        });
```

The callback gets [#70] and the actual log message in two lines, so I think the join "\n" should be replaced with join " " here.

It's not really clear from https://metacpan.org/pod/Mojo::Log how multiple arguments to one of the log methods are supposed to behave. But $log->context adds the [#70] as an array item, and I don't think this is supposed to create a new line.

#14 - 2021-05-20 13:48 - tinita

- Related to action #92902: Remove unnecessary linebreaks in cache service logging added

#15 - 2021-05-31 13:31 - okurz

- Due date deleted (2021-05-18)

Files

autoinst-log.txt	597 KB	2021-05-14	ilausuch

```
[info] [#70]
Cache size of "/var/lib/openqa/cache" is 21GiB, with limit 180GiB
```