

## openQA Project - action #81180

### fetchneedles fails on uncommitted needles

2020-12-18 08:38 - okurz

<b>Status:</b>	Resolved	<b>Start date:</b>	2020-12-18
<b>Priority:</b>	Normal	<b>Due date:</b>	2021-01-11
<b>Assignee:</b>	cdywan	<b>% Done:</b>	0%
<b>Category:</b>	Concrete Bugs	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Ready		
<b>Difficulty:</b>			

**Description**

### Observation

Report by user "leli" in <https://chat.suse.de/channel/testing?msg=kRr8dRMqjMXwB56YB>

I met issue to save needle to OSD. 'Failed to save select\_patterns-minimal-system-20201218.  
Unable to reset repository to origin/master: error: cannot rebase: Your index contains uncommitted changes.  
error: Please commit or stash them.'

### Problem

"fetchneedles" should ensure a clean state and try to repair itself where it can

### History

#### #1 - 2020-12-18 08:42 - okurz

Could reproduce the problem calling `sudo -u geekotest bash -ex /usr/share/openqa/script/fetchneedles` on osd

```
+ '[' '' = -h ']'
+ '[' '' = --help ']'
+ : geekotest
+ : opensuse
+ : git://github.com/os-autoinst/os-autoinst-distrib-opensuse.git
+ : master
+ : openqa@
+ : 'openQA web UI'
+ : opensuse
+ : 1
+ : git://github.com/os-autoinst/os-autoinst-needles-opensuse.git
+ : master
+ : 0
+ dir=/var/lib/openqa/share/tests
+ '[' -w / ']'
+ '[' 0 = 1 ']'
+ target=/var/lib/openqa/share/tests/opensuse
+ mkdir -p /var/lib/openqa/share/tests/opensuse
+ cd /var/lib/openqa/share/tests/opensuse
+ '[' '!' -d .git ']'
+ do_fetch /var/lib/openqa/share/tests/opensuse
+ target=/var/lib/openqa/share/tests/opensuse
+ git_update master
+ branch=master
+ git gc --auto --quiet
+ git fetch -q origin
+ git rebase -q origin/master
+ '[' 1 = 1 ']'
+ test -d products
+ for nd in products/*/needles
+ '[' -h /var/lib/openqa/share/tests/opensuse/products/caasp/needles ']'
+ continue
+ for nd in products/*/needles
+ '[' -h /var/lib/openqa/share/tests/opensuse/products/casp/needles ']'
+ continue
+ for nd in products/*/needles
```

```
+ '[' -h /var/lib/openqa/share/tests/opensuse/products/microos/needles ']'
+ continue
+ for nd in products/*/needles
+ '[' -h /var/lib/openqa/share/tests/opensuse/products/opensuse/needles ']'
+ cd /var/lib/openqa/share/tests/opensuse/products/opensuse/needles
+ git_update_needles
+ git_update master
+ branch=master
+ git gc --auto --quiet
+ git fetch -q origin
+ git rebase -q origin/master
++ git rev-parse --abbrev-ref --symbolic-full-name HEAD
+ '[' master = HEAD ']'
+ for nd in products/*/needles
+ '[' -h /var/lib/openqa/share/tests/opensuse/products/sle/needles ']'
+ cd /var/lib/openqa/share/tests/opensuse/products/sle/needles
+ git_update_needles
+ git_update master
+ branch=master
+ git gc --auto --quiet
+ git fetch -q origin
+ git rebase -q origin/master
error: cannot rebase: Your index contains uncommitted changes.
error: Please commit or stash them.
```

#### and the current state

```
# sudo su geekotest
geekotest@openqa:~/share/tests/sle/products/sle/needles> git status
On branch master
Your branch is up to date with 'origin/master'.
```

Changes to be committed:

```
(use "git restore --staged <file>..." to unstage)
    new file:   links_https-links-connect-suse-webpage-20201218.json
    new file:   links_https-links-connect-suse-webpage-20201218.png
```

#### Did as geekotest

```
git commit -m "Add links_https-links-connect-suse-webpage-20201218" -a
git rebase -q origin/master
git push origin HEAD:master
```

EDIT: We already changed fetchneedles in the past, e.g. in 2aadd3e56 trying to repair needle git repos on detached HEADs. But I think we do not have automatic repairs that would commit or delete files we have not pushed.

#### #2 - 2020-12-19 04:09 - openqa\_review

- Due date set to 2021-01-02

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

#### #3 - 2021-01-05 13:31 - cdywan

I guess you've been mending the repo manually but not looked into a concrete automatic fix yet?

As a suggestion, how about `git diff-index --exit-code HEAD --` && `git reset --hard HEAD`? I proposed <https://github.com/os-autoinst/openQA/pull/3658> - of course if you already have a better approach, I'm happy to delete it, it was just quick enough to try the idea I had briefly and push what I had.

#### #4 - 2021-01-06 16:01 - okurz

- Status changed from *In Progress* to *Feedback*

- Assignee changed from *okurz* to *cdywan*

I guess your approach is ok. I have thought about alternatives which would not delete uncommitted data to not loose anything that users have created but I could not easily come up with something better right now. I approved your PR.

#### #5 - 2021-01-08 16:56 - cdywan

- Due date changed from 2021-01-02 to 2021-01-11

#### #6 - 2021-01-13 09:22 - okurz

PR merged, deployed to osd. You can now set the force flag in salt states:

<https://gitlab.suse.de/openqa/salt-states-openqa/-/blob/master/etc/master/cron.d/SLES.CRON#L5>

EDIT: Changed o3 already accordingly.

**#7 - 2021-01-13 13:07 - cdywan**

[https://gitlab.suse.de/openqa/salt-states-openqa/-/merge\\_requests/428](https://gitlab.suse.de/openqa/salt-states-openqa/-/merge_requests/428)

**#8 - 2021-01-13 15:32 - okurz**

MR was merged. Unfortunately now we have output where previously the script was silent. As we run this as part of cron that means that *every minute* we generate an email with content like the following:

```
# sudo -u geekotest env force=1 updateall=1 /usr/share/openqa/script/fetchneedles
HEAD is now at 9104e3b1f Merge pull request #11751 from ricardobranco777/stupid_fix
HEAD is now at 85f70a138 logoutdialog-xfce-aarch64-20210113 for opensuse-Tumbleweed-DVD-aarch64-Build20210111-
create_hdd_xfce@aarch64
HEAD is now at ad96f20da yast2-install-hypervisor-and-tools-20210113 for sle-15-SP3-Online-x86_64-Build123.3-y
ast2_gui@64bit
HEAD is now at 85f70a138 logoutdialog-xfce-aarch64-20210113 for opensuse-Tumbleweed-DVD-aarch64-Build20210111-
create_hdd_xfce@aarch64
HEAD is now at lcd822c update the information of the testsuite
HEAD is now at lcd822c update the information of the testsuite
```

this should be fixed. Please also check the runtime performance comparing the old approach with the new approach as this is called every minute for multiple repositories.

**#9 - 2021-01-14 10:45 - cdywan**

okurz wrote:

MR was merged. Unfortunately now we have output where previously the script was silent. As we run this as part of cron that means that *every minute* we generate an email with content like the following:

<https://github.com/os-autoinst/openQA/pull/3671>

this should be fixed. Please also check the runtime performance comparing the old approach with the new approach as this is called every minute for multiple repositories.

I was proposing an additional check with git diff-index before but during review we seemed to agree that we might as well reset all the time

**#10 - 2021-01-20 10:35 - cdywan**

- *Status changed from Feedback to Resolved*

I assume this is okay now