openQA Tests - action #91509

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

cooperation # 88229 (Blocked): [epic] Prevent unintended test coverage decrease

[tools] Easy way to check and compare coverage in multiple openQA instances

2021-04-21 12:39 - hurhaj

<table>
<thead>
<tr>
<th>Status:</th>
<th>New</th>
<th>Start date:</th>
<th>2021-04-23</th>
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<td>Category:</td>
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<td>Target version:</td>
<td>future</td>
<td>Difficulty:</td>
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Description

We have (AFAIK) three official instances of openQA:

1. openqa.suse.de
2. openqa.qam.suse.cz
3. openqa.opensuse.org

To get a full picture of our openQA efforts, we need data from all of them, otherwise we will be missing info about some of the products (e.g. OEM has runs in both o.s.d and o.q.s.c).

The tool should be able to answer two main questions:

1. What is the coverage / What tests do we run for product X? (i.e. What tests are running on SLE 15 SP2?)
2. What is the difference in coverage for products X and Y? (i.e. What tests are running on openSUSE Tumbleweed but not on SLE 15 SP2 and vice versa?)
   - both of these questions were already asked, but it's hard to give quick and precise answer at this moment

Subtasks:

action # 91656: [qe-core] os-autoinst-distri-opensuse YAML schedule file comparison

History

#1 - 2021-04-21 12:40 - hurhaj
- Description updated

#2 - 2021-04-21 12:42 - VANASTASIADIS
- Category set to Feature requests
- Target version set to future

#3 - 2021-04-21 13:17 - okurz
- Parent task set to #88229

#4 - 2021-04-21 13:19 - okurz
I have linked this ticket to already existing #88229. I have the feeling that we did not see this need as severly before most of SUSE openQA contributors have selected to use YAML schedule files per openQA scenario in comparison to previously using a shared schedule definition where differences would all be noted down explicitly. IMHO the whole problem of differing coverage was made worse with #54839 which of course helped to mitigate short-term pain because teams "felt" as if they would step less on each other's toes. Would we need a "tool" to compare coverage in case we would simply use the same schedule definitions by default?

#5 - 2021-04-21 14:38 - okurz
- Subject changed from [tools] Create tool for checking and comparing coverage in openQAs to Easy way to check and compare coverage in multiple openQA instances

As discussed in chat

To be able to proceed we need actual use cases. For example I wonder: What are the actual goals you want to achieve? The template https://progress.opensuse.org/projects/openqav3/wiki/#Feature-requests should help to fill the necessary details.

2021-05-20
okurz wrote:

To be able to proceed we need actual use cases. For example I wonder: What are the actual goals you want to achieve?

From the description:

The tool should be able to answer two main questions:

What is the coverage / What tests do we run for product X? (i.e. What tests are running on SLE 15 SP2?)
What is the difference in coverage for products X and Y? (i.e. What tests are running on openSUSE Tumbleweed but not on SLE 15 SP2 and vice versa?)
both of these questions were already asked, but it's hard to give quick and precise answer at this moment

okurz wrote:

I have read the description. But why do you need the coverage? What would you do with this information if you have it?

Mostly for filling the gaps, checking if all is OK during release of new service pack or even whole new SLES. Also there is a possibility that someone will want to use it for whatever statistics they need.

It seems to be very interesting for product owners, but any team in QE could find it useful.