openQA Infrastructure - action #77887

[tools][openqa] Enable automatic openQA investigation jobs for osd as well

2020-11-14 15:46 - okurz

Status:	Resolved		**Start date:**	2020-11-14
Priority:	Normal		**Due date:**	
Assignee:	okurz		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:	Ready			

Description

Motivation

SUSE QEM is challenged by a relative high false-positive rate of openQA tests. This is due to objectively higher product quality of released products in comparison to products in development, i.e. pre-GM SLE including Tumbleweed snapshots before release. We already use "openqa-investigate" for o3 which has been running there for multiple months and I received positive feedback. We can now extend the solution to osd.

Acceptance criteria

- **AC1:** Automatic investigation jobs are triggered and commented on new, unlabeled failures within osd production groups, e.g. not development groups
- **AC2:** Automatic investigation jobs run within a reasonable time to provide useful feedback to reviewers in their regular review routines
- **AC3:** No harmful performance impact on infrastructure due to too many automatic investigation jobs

Suggestions

- There is a script based solution "openqa-investigate" which we already use automatically within o3, see https://gitlab.suse.de/openqa/auto-review/-/blob/master/.gitlab-ci.yml#L110
- Try out dry-runs of "openqa-investigate" against OSD and check for obvious things missing or going wrong, e.g. immediate errors or crashes or unreasonable results
- Extending to osd can be just as simple as applying a similar block in .gitlab-ci.yml for osd
- When activated monitor over couple of days for usefulness and performance impact
- Consider changing the schedule of the scheduled pipeline, e.g. trigger more often over the day, or even "continuous" :)
- Optional: Ensure that auto-review walks first over all issues, potentially even failed ones to detect known issues, and if unknown to auto-review, only then trigger investigation jobs

History

#1 - 2020-11-15 20:42 - okurz

- Description updated

#2 - 2020-11-16 08:28 - okurz

- Project changed from SUSE QA to openQA Infrastructure

#3 - 2021-01-22 09:22 - okurz

- Status changed from Workable to Resolved

- Assignee set to okurz

All this was covered with openqa-investigate triggered as part of job-done-hooks on osd:
https://gitlab.suse.de/openqa/salt-states-openqa/-/merge_requests/420