openQA Infrastructure - coordination #78206

coordination # 80142 (Blocked): [saga][epic] Scale out: Redundant/load-balancing deployments of openQA, easy containers, containers on kubernetes

[epic] 2020-11-18 nbg power outage aftermath

2020-11-18 21:32 - okurz

Status:	Resolved		**Start date:**	2020-11-27
Priority:	Normal		**Due date:**	
Assignee:	okurz		**% Done:**	100%
Category:			**Estimated time:**	0.00 hour
Target version:	Ready			

Description

Observation

In 2020-11-18 a power outage happened in Nbg which caused the network and many services to shut down. o3 started just fine automatically. qsf-cluster.qa.suse.de shows only "first-test-vm", not more. openqa-monitor and backup are down as well as schort-server, changed to start automatically. openqaworker1 was power off, restarted over ipmi, might have been a deliberate action by IT team? Further things that we can improve?

Problems

- *DONE* qsf-cluster.qa.suse.de shows only "first-test-vm", not more
- *DONE* openqa-monitor and backup were down as well as schort-server -> changed to start automatically
- *DONE* wrong IPMI configuration for openqaworker2 -> https://gitlab.suse.de/openqa/salt-pillars-openqa/-/merge_requests/275
- *DONE* IPMI information for grenache-1 missing completely in https://gitlab.suse.de/openqa/salt-pillars-openqa/-/blob/master/openqa/workerconf.sls -> https://gitlab.suse.de/openqa/salt-pillars-openqa/-/merge_requests/276
- *DONE* openqaworker1 were "power off", restarted over ipmi, needs automatic on enabled -> #80542
- *DONE* powerqaworker-qam-1 not reachable via IPMI -> #80544
- *DONE* qa-power8-5 ipmi unstable -> #80544
- *DONE* openqaworker-power8, malbec.arch, qa-power8-4, qa-power8-5, powerqaworker-qam, grenache.qa as well as grenache-1.qa were "power off", restarted over ipmi, needs automatic on enabled -> #92185

Suggestions

- Conduct "fire drills", at least reboot of qsf-cluster and other machines more often. I think this supports the idea from okurz which we implemented to have automatic reboot of machines as we within the OSD infrastructure -> #80540

Subtasks:

action # 80540: idea: Conduct "power outage drills", e.g. once every half-year?	**Rejected**
action # 80542: Configure "automatic power-on" after power loss for openqaworker1 (and ...	**Resolved**
action # 80544: Ensure that IPMI for powerqaworker-qam works reliably	**Resolved**
action # 92185: Our PowerPC worker machines need to be configured for automatic start a...	**Resolved**

Related issues:

Related to openQA Infrastructure - action #78218: [openQA][worker] Almost all...	**Resolved**	**2020-11-19**

History

#1 - 2020-11-18 21:33 - okurz

- Status changed from New to Feedback

- Assignee set to okurz

waiting for more information, ideas, problems, feedback from others.

#2 - 2020-11-19 05:43 - okurz

- Description updated

- Status changed from Feedback to In Progress

- Priority changed from Normal to Urgent

To check and correct the power status of all OSD machines I did sed -n 's/^.*serial:.*`\(.*\) -H \(\S*\)\(\.suse\.de .*\) sol activate.*$/\1 -H \2\3 power status/p' <(curl -s https://gitlab.suse.de/openqa/salt-pillars-openqa/-/raw/master/openqa/workerconf.sls) and executed the commands

so some machines are not online and "qa-power8-5.qa.suse.de", "fsp1-powerqaworker-qam.qa.suse.de", "openqaworker-arm-3-ipmi.suse.de" (already known) could not be reached at all. Triggered the "power on" command for all. This surprisingly worked for "qa-power8-5.qa.suse.de" as well.

If you take a close look in the above list you realize that "openqaworker1" is mentioned twice but "openqaworker2" not at all. I have updated the description with the current state

#3 - 2020-11-19 07:22 - okurz

- Description updated

- Priority changed from Urgent to High

all machines except the already problematic ones "powerqaworker-qa" and "openqaworker-arm-3" are back up.

#4 - 2020-11-19 07:33 - okurz

- Status changed from In Progress to Feedback

waiting for feedback on my MR and notes from others

#5 - 2020-11-19 08:51 - cdywan

okurz wrote:

- openqaworker1, openqaworker-power8, malbec.arch, qa-power8-4, qa-power8-5, powerqaworker-qam were "power off", restarted over ipmi, needs automatic on enabled

What does this mean? Automatic restarts? Via GitLab CI? Something else?

#6 - 2020-11-19 08:53 - cdywan

- Description updated

#7 - 2020-11-19 16:05 - okurz

- Related to action #78218: [openQA][worker] Almost all openQA workers become offline added

#8 - 2020-11-19 16:16 - okurz

cdywan wrote:

> okurz wrote:
>
> > - openqaworker1, openqaworker-power8, malbec.arch, qa-power8-4, qa-power8-5, powerqaworker-qam were "power off", restarted over ipmi, needs automatic on enabled
>
> What does this mean? Automatic restarts? Via GitLab CI? Something else?

No. This means that the firmware/BIOS/UEFI is configured to automatically power on the machine if power returns. Same as on any consumer PC.

#9 - 2020-11-21 06:54 - coolo

s390zp18 is still offline, so I disabled those parts of grenache for the weekend - https://gitlab.suse.de/openqa/salt-pillars-openqa/-/commit/465690c0f597fb3007efc7dedc30f4134b975a75

#10 - 2020-11-23 14:16 - okurz

s390x hosts were re-enabled with https://gitlab.suse.de/openqa/salt-pillars-openqa/-/merge_requests/281

malbec.arch and qa-power8-5 seem to be down. I expect that this is actually handled elsewhere but many people seem to be allergic to tickets ;)

#11 - 2020-11-27 20:44 - okurz

- Tracker changed from action to coordination

- Subject changed from 2020-11-18 nbg power outage aftermath to [epic] 2020-11-18 nbg power outage aftermath

- Description updated

- Status changed from Feedback to Blocked

- Parent task set to #80142

turned into epic with subtasks

#12 - 2021-04-01 13:25 - okurz

- Description updated

[#80544](#) resolved

#13 - 2021-04-09 11:47 - okurz

- Description updated

#14 - 2021-05-05 18:32 - okurz

- Description updated

#15 - 2021-05-27 19:26 - okurz

- Description updated

#16 - 2021-05-27 19:29 - okurz

- Status changed from Blocked to Resolved

All done, I am happy with what we have now :)