

## openQA Infrastructure - action #81058

### [tracker-ticket] Power machines can't find installed OS. Automatic reboots disabled for now

2020-12-15 03:47 - nicksinger

<b>Status:</b>	Resolved	<b>Start date:</b>	2020-12-15
<b>Priority:</b>	Normal	<b>Due date:</b>	2021-04-16
<b>Assignee:</b>	okurz	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Ready		
<b>Description</b>			
<p>I think that we face some kind of product bug inside leap which causes power8 workers to not boot properly anymore. <b>malbec:</b> <a href="#">#80656#note-9</a> <b>QA-Power8-4-kvm:</b> <a href="#">#81020#note-3</a> <b>QA-Power8-5-kvm:</b> <a href="#">#80482</a> <b>powerqaworker-qam-1:</b> <a href="#">#68053</a></p> <p>I disabled rebootmgr on these machines for now with <code>systemctl --now disable rebootmgr</code>. I also made a MR to our salt repo so the service does not get enabled again: <a href="https://gitlab.suse.de/openqa/salt-states-openqa/-/merge_requests/421">https://gitlab.suse.de/openqa/salt-states-openqa/-/merge_requests/421</a></p> <p>If you really, really need to reboot the machine (or it gets unavailable in the meantime) you can use these commands in the petitboot shell (over ipmi) to get it booting once:</p> <pre><b>malbec:</b> kexec -l /var/petitboot/mnt/dev/sdb1/boot/vmlinux-5.3.18-lp152.57-default --initrd=/var/petitboot/mnt/dev/sdb1/boot/initrd-5.3.18-lp152.57-default --command-line="root=UUID=ae18adf5-d27e-4fa1-93a1-6ab55263c29d nospec kvm.nested=1 kvm_intel.nested=1 kvm_amd.nested=1 kvm-arm.nested=1 crashkernel=210M" &amp;&amp; kexec -e <b>QA-Power8-4-kvm:</b> kexec -l /var/petitboot/mnt/dev/sdb2/boot/vmlinux-5.3.18-lp152.57-default --initrd=/var/petitboot/mnt/dev/sdb2/boot/initrd-5.3.18-lp152.57-default --command-line="root=UUID=ebe647f-e867-416e-a0fa-7a6732bfcf9d nospec kvm.nested=1 kvm_intel.nested=1 kvm_amd.nested=1 kvm-arm.nested=1 crashkernel=210M" &amp;&amp; kexec -e <b>QA-Power8-5-kvm:</b> kexec -l /var/petitboot/mnt/dev/sda2/boot/vmlinux-5.3.18-lp152.57-default --initrd=/var/petitboot/mnt/dev/sda2/boot/initrd-5.3.18-lp152.57-default --command-line="root=UUID=89ca2dff-86af-478b-8d4c-2a45ca689fd5 nospec kvm.nested=1 kvm_intel.nested=1 kvm_amd.nested=1 kvm-arm.nested=1 crashkernel=210M" &amp;&amp; kexec -e <b>powerqaworker-qam-1:</b> kexec -l /var/petitboot/mnt/dev/sda2/boot/vmlinux-5.3.18-lp152.57-default --initrd=/var/petitboot/mnt/dev/sda2/boot/initrd-5.3.18-lp152.57-default --command-line="root=UUID=e29496d5-0080-4a01-9bde-b786944f4ba4 nospec kvm.nested=1 kvm_intel.nested=1 kvm_amd.nested=1 kvm-arm.nested=1 crashkernel=210M" &amp;&amp; kexec -e</pre>			
<b>Related issues:</b>			
Related to openQA Infrastructure - action #80656: OSD deployment failed at 20...		<b>Resolved</b>	<b>2020-12-02</b>
Related to openQA Infrastructure - action #80482: qa-power8-5-kvm has been do...		<b>Workable</b>	
Related to openQA Infrastructure - action #81020: QA-Power8-4-kvm start fail...		<b>Resolved</b>	<b>2020-12-14</b>
Related to openQA Infrastructure - action #88474: All workers on powerqaworke...		<b>Resolved</b>	<b>2021-02-08</b>
Related to openQA Infrastructure - action #68053: powerqaworker-qam-1 fails t...		<b>Resolved</b>	<b>2020-06-14</b>

### History

#### #1 - 2020-12-15 03:48 - nicksinger

- Related to action #80656: OSD deployment failed at 2020-12-02 because 'malbec.arch.suse.de' is down added

#### #2 - 2020-12-15 03:48 - nicksinger

- Related to action #80482: qa-power8-5-kvm has been down for days, use more robust filesystem setup added

#### #3 - 2020-12-15 03:49 - nicksinger

- Related to action #81020: QA-Power8-4-kvm start failed since reboot on 2020-12-13 added

#### #4 - 2020-12-15 19:42 - okurz

- Target version set to Ready

**#5 - 2020-12-16 09:17 - okurz**

- Description updated

changed the progress tickets description to use redmine-internal links.

**#6 - 2020-12-21 10:32 - nicksinger**

- Description updated

**#7 - 2020-12-21 10:48 - nicksinger**

- Description updated

**#8 - 2021-01-04 04:06 - Xiaojing\_liu**

On 2021-01-04, powerqaworker-qam-1 didn't boot success, execute

```
kexec -l /var/petitboot/mnt/dev/sdb2/boot/vmlinux-5.3.18-lp152.57-default --
initrd=/var/petitboot/mnt/dev/sdb2/boot/initrd-5.3.18-lp152.57-default --command-line="root=UUID=e29496d5-0080
-4a01-9bde-b786944f4ba4 nospec kvm.nested=1 kvm_intel.nested=1 kvm_amd.nested=1 kvm-arm.nested=1 crashkernel=2
10M" && kexec -e
```

**#9 - 2021-02-08 10:40 - cdywan**

- Description updated

**#10 - 2021-02-08 10:42 - cdywan**

- Description updated

**#11 - 2021-02-08 10:42 - cdywan**

- Related to action #88474: All workers on powerqaworker-qam-1 are offline added

**#12 - 2021-02-15 08:39 - okurz**

- Related to action #68053: powerqaworker-qam-1 fails to come up on reboot (repeatedly) added

**#13 - 2021-02-15 08:45 - okurz**

- Description updated

**#14 - 2021-04-01 18:17 - okurz**

- Status changed from Feedback to In Progress

- Assignee changed from nicksinger to okurz

After progress in [#68053](#) I am running a check on all PowerPC osd machines

On OSD:

```
for run in {01..10}; do for host in QA-Power8-4-kvm.qa QA-Power8-5-kvm.qa powerqaworker-qam-1 malbec.arch gren
ache-1.qa; do echo -n "run: $run, $host: ping .. " && timeout -k 5 600 sh -c "until ping -c30 $host >/dev/null
; do :; done" && echo -n "ok, ssh .. " && timeout -k 5 600 sh -c "until nc -z -w 1 $host 22; do :; done" && ec
ho -n "ok, salt .. " && timeout -k 5 600 sh -c " until salt --timeout=300 --no-color $host\* test.ping >/dev/n
ull; do :; done" && echo -n "ok, uptime/reboot: " && salt $host\* cmd.run "uptime && systemctl disable --now o
penqa-worker-cacheservice.service >/dev/null" && salt $host\* system.reboot 1 || break; done || break; done
```

**#15 - 2021-04-02 04:17 - openqa\_review**

- Due date set to 2021-04-16

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

**#16 - 2021-04-02 18:03 - okurz**

- Status changed from In Progress to Resolved

The above experiment was succesful. Machines came up just fine after reboot.

I unpaused the alerts "Broken workers alert", "Failed systemd services alert (except openqa.suse.de)", "Failed systemd services alert (except openqa.suse.de)" and confirmed that all expected services on these machines are active and the machines are working on openQA jobs.

Unmasked rebootmgr.service again and created [https://gitlab.suse.de/openqa/salt-states-openqa/-/merge\\_requests/472](https://gitlab.suse.de/openqa/salt-states-openqa/-/merge_requests/472) to enable the rebootmgr service again everywhere.

I also enabled rebootmgr on storage.qa where auto-update was already active but not rebootmgr. Tested that reboot works fine as well.