

## openQA Infrastructure - action #65130

### Upgrade of firmware(s) for cloudberry (power9 machine)

2020-04-01 09:20 - nicksinger

<b>Status:</b>	Rejected	<b>Start date:</b>	2020-04-01
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>	nicksinger	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Ready		
<b>Description</b>			
Cloudberry is a new P9 machine we received. To make use of it I first need to upgrade its firmwares according to <a href="https://pes.nue.suse.com/Labs/Info_for_Labs/POWER_hardware/Firmware_update">https://pes.nue.suse.com/Labs/Info_for_Labs/POWER_hardware/Firmware_update</a> This is to track this progress and make some notes about the process itself.			
<b>Related issues:</b>			
Related to openQA Infrastructure - action #63142: Upgrade firmware of ppc9 ma...		<b>Rejected</b>	<b>2020-02-05</b>
Related to openQA Infrastructure - action #58325: Update firmware of our powe...		<b>Rejected</b>	<b>2019-10-17</b>

### History

#### #1 - 2020-04-02 10:13 - nicksinger

- Status changed from Workable to Feedback

Alright, yesterday I played around with the machine a little bit. I already downloaded the appropriate binaries from IBM. However, the guide recommends upgrading from within Linux. Therefore I created an LPAR with all resources attached (had to shutdown the VIOS for this). No I need to wait for infra to move the machine into the QA VLAN since machines in the ARCH network need to be managed by orthos now.

#### #2 - 2020-04-15 13:30 - nicksinger

Infra traced down the cable and replugged the machine. However I'm still unable to connect to QA Net from within the LPAR. Another debugging session with Fatma is planned tomorrow at 14:00.

#### #3 - 2020-05-28 08:26 - nicksinger

Unfortunately still no satisfying progress here. Last answer from infra:

Hi Nick

As per our last debugging session, port gi46 was setup to QA vlan12.  
I still see no outcome for any mac address and the interface is down.  
Can you check on the cloudberry side if the network interface is up ?  
I have already triggered a no shutdown with no avail.  
Unfortunately no one is in the office this week. Will seek to check physical connection again once we have physical access.

On that account the only similar initial of the mac @ I have pulled out are the following, if any of which are conencted to cloudberry other interfaces , let me know.

```
571 98:be:94:4b:d3:97 Po1 dynamic
571 98:be:94:7c:01:27 Po1 dynamic
571 98:be:94:7c:01:72 gi12 dynamic
571 98:be:94:7c:02:9d gi31 dynamic
571 98:be:94:7c:2d:30 gi35 dynamic
571 98:be:94:7c:2d:63 gi33 dynamic
571 98:be:94:7c:2d:b1 gi34 dynamic
571 98:be:94:7c:59:5f gi11 dynamic
571 98:be:94:7c:59:6b gi10 dynamic
571 98:be:94:7c:59:d7 gi9 dynamic
```

```
570 98:be:94:7c:01:26 Po1 dynamic
570 98:be:94:7c:01:73 Po1 dynamic
570 98:be:94:7c:02:9c gi25 dynamic
570 98:be:94:7c:08:35 gi3 dynamic
570 98:be:94:7c:2d:31 gi5 dynamic
570 98:be:94:7c:2d:62 gi27 dynamic
```

```
570 98:be:94:7c:2d:b0 gi28 dynamic
570 98:be:94:7c:59:5e gi4 dynamic
570 98:be:94:7c:59:6a gi2 dynamic
570 98:be:94:7c:59:d6 gi1 dynamic

12 98:be:94:01:49:ec Po1 dynamic
12 98:be:94:0b:70:f8 gi24 dynamic
12 98:be:94:4b:d3:96 Po1 dynamic

11 98:4f:ee:0c:be:d9 Po1 dynamic
11 98:be:94:0b:ca:e8 gi37 dynamic
11 98:be:94:0b:ce:d4 gi21 dynamic
11 98:be:94:0c:87:30 gi15 dynamic
11 98:be:94:0c:94:d8 gi16 dynamic
11 98:be:94:68:6c:fb gi45 dynamic
11 98:be:94:7c:08:34 Po1 dynamic
11 98:be:94:f8:53:80 Po1 dynamic
11 98:be:94:f8:53:85 Po1 dynamic
11 98:be:94:f8:60:78 Po1 dynamic
11 98:be:94:f8:60:7d Po1 dynamic
```

However I can still not ping anything inside the QA network. I can only do a "ping check" inside the SMS and can't really help debugging this further. Haven't checked if one of the mentioned MACs maybe also belongs to cloudberry.

#### #4 - 2020-07-03 08:21 - cdywan

- Priority changed from High to Normal

#### #5 - 2020-07-03 08:42 - okurz

Hi, I think we have other power9 machines (in the meantime) so likely this issue here is not "High" prio anymore. At least I have not seen or received any questions or push from stakeholders that we would need this with high prio. Also as there has been no update since a month we are reducing prio now to meet our [SLO](#) for "High" tickets.

#### #6 - 2020-07-29 07:13 - okurz

- Priority changed from Normal to Low

#### #7 - 2020-09-01 07:38 - cdywan

[nicksinger](#) Any update on this?

#### #8 - 2020-10-02 11:21 - nicksinger

Unfortunately not, last time I checked the machine was still not visible for qanet to hand out PXE entries. Maybe a problem with assigning all resources to a Linux LPAR (I doubt this but it's certainly possible) or still a problem on the network side. Who every feels for a challenge can just take this ticket and play around. Nothing you can really break

#### #9 - 2020-10-03 09:42 - okurz

- Status changed from Feedback to Workable

- Target version set to Ready

If I understand correctly this is hardware that is currently still not usable for openQA, hence adding it to the backlog. However as you stated and if I understand correctly there is work to be done although first some investigation is necessary, hence adding back to "Workable" (could be "New" though some work has been done even though it is not exactly clear what is to be done)

#### #10 - 2020-10-26 08:43 - okurz

- Related to action #63142: Upgrade firmware of ppc9 machine redcurrant added

#### #12 - 2020-11-04 13:41 - okurz

During qam-qasle-collaboration weekly it was suggested to talk to "Antonio Eisner"

#### #13 - 2020-11-12 13:45 - okurz

- Status changed from Workable to Blocked

- Assignee changed from nicksinger to okurz

Created a ticket <https://infra.nue.suse.com/SelfService/Display.html?id=179589> to ask for help.

**#14 - 2021-05-05 18:17 - okurz**

- Status changed from Blocked to Feedback
- Assignee changed from okurz to nicksinger

ticket was resolved with <https://infra.nue.suse.com/SelfService/Display.html?id=179589#txn-2795688> . nicksinger can you help me with the current status as I know that you still have been involved in the area lately?

**#15 - 2021-05-05 18:18 - okurz**

- Related to action #58325: Update firmware of our powerKVM machines (QA-Power8-3, QA-Power8-4, QA-Power8-5) added

**#17 - 2021-05-06 14:51 - okurz**

- Status changed from Feedback to Rejected

As discussed with nsinger we are not aware of further problems after we fixed the boot problems software side in [#68053](#) so we can also close this ticket as rejected as we did not conduct the firmware upgrades.