

RPM Support - Issue #7303

Power kickstart does not sync PXE files

08/11/2020 09:51 AM - lzap@redhat.com

Status:	CLOSED - NOTABUG	Start date:	
Priority:	Normal	Due date:	
Assignee:	ggainey	Estimated time:	0:00 hour
Category:			
Sprint/Milestone:			
Severity:	2. Medium	Groomed:	No
Version:		Sprint Candidate:	No
Platform Release:		Tags:	Pulp 2
OS:		Sprint:	Sprint 80
Triaged:	Yes	Quarter:	

Description

Hello, we have a feature in Satellite 6.8 to support POWER PC. I can see that RHEL8 PPC64LE KS is synced properly however kickstart (BOOTP/PXE) files are missing: /content/beta/rhel8/8/ppc64le/baseos/kickstart/images is empty as well as /content/beta/rhel8/8/ppc64le/baseos/kickstart/images/ppc/ppc64.

For the record this is the treeinfo file and I can clearly see those files should exist, however they are not synced for some reason.

```
[checksums]
images/boot.iso = sha256:a407c97fd193c66c921fd4be13b6a3f1f123c1e43e083579df5cbd90a28cb20b
images/install.img = sha256:f2ebf358b516d3e17b0f64a8884c85d3f048c7d9e7bb35dd591ac10953019e2e
ppc/ppc64/initrd.img = sha256:badab8b80aa1bdeadc6c45401207a1923df6da780067f6e8cfedeeebad0e7d7
ppc/ppc64/vmlinuz = sha256:d597d603b240e3a4077ee77af358a1f1c6044c2302be82c5dd902eb5101004a3

[general]
; WARNING.0 = This section provides compatibility with pre-productmd treeinfos.
; WARNING.1 = Read productmd documentation for details about new format.
arch = ppc64le
family = Red Hat Enterprise Linux
name = Red Hat Enterprise Linux 8.3
packagedir = Packages
platforms = ppc64le
repository = .
timestamp = 1593612907
variant = BaseOS
variants = BaseOS
version = 8.3

[header]
type = productmd.treeinfo
version = 1.2

[images-ppc64le]
boot.iso = images/boot.iso
initrd = ppc/ppc64/initrd.img
kernel = ppc/ppc64/vmlinuz

[release]
name = Red Hat Enterprise Linux
short = RHEL
version = 8.3

[stage2]
mainimage = images/install.img

[tree]
```



```

|   └─ listing
├─ https
|   └─ repos
|   └─ centos8-baseos-ks -> /var/lib/pulp/published/yum/master/yum_distributor/centos8-baseos-ks/159898
0046.23
|   └─ listing
├─ master
|   └─ yum_distributor
|       └─ centos8-baseos-ks
|           └─ 1598980046.23
|               └─ images
|                   └─ boot.iso -> /var/lib/pulp/content/units/distribution/7b/27380410b6008e50444acb8fdd69
e351b7cbd4e4f398fa410457f39157e0b9/images/boot.iso
|                       └─ install.img -> /var/lib/pulp/content/units/distribution/7b/27380410b6008e50444acb8fd
d69e351b7cbd4e4f398fa410457f39157e0b9/images/install.img
|                           └─ Packages
|                               └─ a
|                                   ...
|                                       └─ z
|                                           └─ ppc
|                                               └─ ppc64
|                                                   └─ initrd.img -> /var/lib/pulp/content/units/distribution/7b/27380410b6008e50444acb
8fdd69e351b7cbd4e4f398fa410457f39157e0b9/ppc/ppc64/initrd.img
|                                                       └─ vmlinuz -> /var/lib/pulp/content/units/distribution/7b/27380410b6008e50444acb8fd
d69e351b7cbd4e4f398fa410457f39157e0b9/ppc/ppc64/vmlinuz
└─ repodata
    └─ 4bce5e49d718a0f08800330740a8b6ae60e72f494ee4a096793abbdefffc93aa-filelists.xml.gz
    └─ 549bdf78ee50c7c8d91304bdde84ac8d9e76d0b83fc66353725d4aee2b673e09-comps.xml
    └─ 7b91eeafeffd01bd9f7cad8a64a2f1609ecfed9c6697ec9113b8d84c2949485f-updateinfo.xml.gz
    └─ a99296cc5691e272ddc74415f3341891330300d001f6bba57e1bedff23b695e9-primary.xml.gz
    └─ d797275dc5994c926ade087a3d435c23d5eaf52e96924ab0b7d3e91c6347d907-other.xml.gz
    └─ repomd.xml

```

```

1 directories, 2528 files
[root@pulp2 yum]#

```

And when I try to access them, they get delivered:

```

[root@pulp2 yum]# wget --no-check-certificate https://pulp2.dev/pulp/repos/centos8-baseos-ks/images/install.
img
Saving to: 'install.img'
100%[=====>] 527,413,248 451MB/s in 1.1s
2020-09-01 17:19:44 (451 MB/s) - 'install.img' saved [527413248/527413248]
[root@pulp2 yum]# wget --no-check-certificate http://pulp2.dev/pulp/repos/centos8-baseos-ks/images/install.i
mg
Saving to: 'install.img.1'
100%[=====>] 527,413,248 768MB/s in 0.7s
2020-09-01 17:19:48 (768 MB/s) - 'install.img.1' saved [527413248/527413248]
[vagrant@pulp2 1794647]

```

I am going to reset and retry with a RHEL8 kickstart repo, assuming I can find/gain access to such a thing - but so far, this looks ok from Pulp2's side.

@lzap, @rplevka, am I missing something here?

Grant Gainey 2020-09-01 19:18:47 UTC

Pulp2 directory structure looks fine (i.e., "matches what I expect from looking at the treeinfo file") after syncing RHEL8-baseos-kickstart repo from <https://cdn.redhat.com/content/dist/rhel8/8.2/ppc64le/baseos/kickstart/> as well:

```

#!/bin/bash -v
BASE='rhel8-baseos-ks'
REMOTE1=https://cdn.redhat.com/content/dist/rhel8/8.2/ppc64le/baseos/kickstart/
pulp-admin rpm repo create --serve-http=true --repo-id=$BASE --relative-url=$BASE --feed=$REMOTE1 --download
-policy immediate --feed-key ./cdn.pem --feed-cert ./cdn.pem --feed-ca-cert ./redhat-uep.pem
pulp-admin rpm repo sync run --repo-id=$BASE

```

```

[root@pulp2 yum]# pwd
/var/www/pub/yum

```

```

[root@pulp2 yum]# tree . | grep -v rpm
.
├─ http
|   └─ repos
|   └─ centos8-baseos-ks -> /var/lib/pulp/published/yum/master/yum_distributor/centos8-baseos-ks/159898
0046.23

```

```

|         | listing
|         | rhel8-baseos-ks -> /var/lib/pulp/published/yum/master/yum_distributor/rhel8-baseos-ks/1598986776
.13
|         | https
|         |   | repos
|         |   | centos8-baseos-ks -> /var/lib/pulp/published/yum/master/yum_distributor/centos8-baseos-ks/159898
0046.23
|         | listing
|         | rhel8-baseos-ks -> /var/lib/pulp/published/yum/master/yum_distributor/rhel8-baseos-ks/1598986776
.13
|         | master
|         |   | yum_distributor
|         |   |   | centos8-baseos-ks
|         |   |   |   | 1598980046.23
|         |   |   |   | ...
|         |   |   | rhel8-baseos-ks
|         |   |   |   | 1598986776.13
|         |   |   | images
|         |   |   |   | boot.iso -> /var/lib/pulp/content/units/distribution/51/695f7a47d2bb8f43cfee8eb12a71
1e735c5093c52b7260e105f764cbf13e67/images/boot.iso
|         |   |   |   | install.img -> /var/lib/pulp/content/units/distribution/51/695f7a47d2bb8f43cfee8eb12
a711e735c5093c52b7260e105f764cbf13e67/images/install.img
|         |   |   |   | install.img
|         |   |   |   | Packages
|         |   |   |   |   | a
|         |   |   |   |   | ...
|         |   |   |   |   | z
|         |   |   |   | ppc
|         |   |   |   |   | ppc64
|         |   |   |   |   |   | initrd.img -> /var/lib/pulp/content/units/distribution/51/695f7a47d2bb8f43cfee8e
b12a711e735c5093c52b7260e105f764cbf13e67/ppc/ppc64/initrd.img
|         |   |   |   |   |   | vmlinuz -> /var/lib/pulp/content/units/distribution/51/695f7a47d2bb8f43cfee8eb12
a711e735c5093c52b7260e105f764cbf13e67/ppc/ppc64/vmlinuz
|         |   |   |   | repodata
|         |   |   |   |   | 3ea0cdd6c686aac3c2c3862b81ea7d9fa9a9d1e77a8c411ea4eb9f5a9dfc4991-filelists.xml.gz
|         |   |   |   |   | 4df08de286551a837c0da1088bda7f4c6c08bd7745ef2bf5173cbbf7a0a5f2fb-other.xml.gz
|         |   |   |   |   | 9b28aa4f2e4d9e018e13997182e1dd6a19f714f943605245cd45cd6e4c1eedc0-comps.xml
|         |   |   |   |   | 9cbeald8ad5317e27521d78f729c68c1909b59f059b1b90f095eac83a657f895-productid.gz
|         |   |   |   |   | a41c1ebf9624fbd07f7d8e5b9ba91a3c60ae359d22de36db577333b8e4775abd-updateinfo.xml.gz
|         |   |   |   |   | cdf308b88cc57d936afcd37e6da6e70cbd97eef8c55d9628052c6507935f34c3-primary.xml.gz
|         |   |   |   |   | repomd.xml
|         |   |   |   | treeinfo -> /var/lib/pulp/content/units/distribution/51/695f7a47d2bb8f43cfee8eb12a711e73
5c5093c52b7260e105f764cbf13e67/treeinfo
76 directories, 5071 files
[root@pulp2 yum]# wget --no-check-certificate http://pulp2.dev/pulp/repos/rhel8-baseos-ks/images/install.img
Length: 527704064 (503M) [application/octet-stream]
Saving to: 'install.img'
100%[=====>] 527,704,064 839MB/s in 0.6s
2020-09-01 19:14:55 (839 MB/s) - 'install.img' saved [527704064/527704064]
[root@pulp2 yum]# wget --no-check-certificate https://pulp2.dev/pulp/repos/rhel8-baseos-ks/images/install.im
g
Length: 527704064 (503M) [application/octet-stream]
Saving to: 'install.img.1'
100%[=====>] 527,704,064 253MB/s in 2.0s
2020-09-01 19:15:04 (253 MB/s) - 'install.img.1' saved [527704064/527704064]
[root@pulp2 yum]#

```

Unless someone can show that Pulp is putting content in the wrong place, I'm going to say that whatever the problem is here, it isn't a Pulp2 problem.

#7 - 09/02/2020 08:01 AM - lzap@redhat.com

Thanks, before we close it here, I am going to ask Roman Plevka to provide debugging details of Pulp2 from his Satellite 6 instance. Can you give him some debug commands to run in order to see all parameters are set correctly in Pulp2? Also he should be able to provide you access to the reproducer server, also an option.

#8 - 09/02/2020 01:56 PM - ggainey

llzap@redhat.com wrote:

Thanks, before we close it here, I am going to ask Roman Plevka to provide debugging details of Pulp2 from his Satellite 6 instance. Can you give him some debug commands to run in order to see all parameters are set correctly in Pulp2? Also he should be able to provide you access to the reproducer server, also an option.

I'm still waiting on a NEEDINFO in the associated BZ for the actual URL being used. You can find the URLs used for repos from mongo using:

pmongo pulp-database

```
db.repo_importers.find().map(function(item){ return item.config.feed; })
```

#9 - 09/02/2020 02:21 PM - ggainey

Responded in the BZ - the problem is that the kickstart-profile is generating the wrong URLs for PPC64LE. That's a problem with the associated theforeman PR, not with Pulp2.

#10 - 09/02/2020 02:38 PM - lzap@redhat.com

- *Status changed from ASSIGNED to CLOSED - NOTABUG*

Apologies this turned out to be an issue in Foreman core, Katello plugin actually overrides media provider so the patch in Foreman 2.0 was not working correctly.