

Katello - Feature #24166

[sat-e-492] Allow adding releasever to custom repos

07/05/2018 02:33 PM - Thomas McKay

Status: Closed	
Priority: High	
Assignee: Jeremy Lenz	
Category: Repositories	
Target version: Katello 3.18.0	
Difficulty:	Fixed in Releases: Katello 4.0.0
Triaged: Yes	Found in Releases:
Bugzilla link: 1526564	Red Hat JIRA:
Pull request: https://github.com/Katello/katello/pull/8983	
Description Cloned from https://bugzilla.redhat.com/show_bug.cgi?id=1526564	
Description of problem: Red Hat products that are imported via manifest have an associated architecture and OS release version. This helps ensure that we don't, for example, get a repo for RHEL7 enabled on a RHEL8 host that's consuming content. We have no equivalent for custom products, and that's the aim of the RFE - to be able to specify those values. The working theory is that we can use candlepin to do that, just like it already does for RH products. Relevant Candlepin API (create Product): https://www.candlepinproject.org/swagger/?url=candlepin/swagger-2.9.17.json#/owners/createProduct	
Previous description: If a CV exists, with both RHEL6 and RHEL7 base repos in it, a system connected to the CV will only 'see' the repos that match the version of RHEL installed on the system. For custom products, this does not work. This is especially cumbersome in container environments. My customer, for example, has Atomic Host nodes connected to the Default Library View (to get access to new RPMs as soon as we release new container images). In that Default Org View are also EPEL6 and EPEL7. RHEL6 containers nicely only 'see' and enable the RHEL6 base repos, but they have both EPEL6 and EPEL7 enabled. Same goes for RHEL7 containers, but the other way around. This is cumbersome. As I discussed with Rich Jerrido, it would be useful if we could inject some specific tags into the custom product and product certificate that makes sure that on RHEL6 containers (or VMs) only EPEL6 is enabled, and on RHEL7 containers (or VMs) only EPEL7 is enabled, even though both are available from the same CV. Hope this makes sense :)	
Version-Release number of selected component (if applicable):	
How reproducible:	
Steps to Reproduce: 1. Add both RHEL6 and RHEL7 base repos, EPEL6 and EPEL7. Sync all. 2. Connect new system to Default Org View 3. Spin up RHEL6 or RHEL7 container	
Actual results: Container sees only appropriate RHEL6 or RHEL7 content, but both EPEL6 and EPEL7.	

Expected results:

Container sees only appropriate RHEL6 or RHEL7 content, and only appropriate EPEL6 or EPEL7.

Additional info:**Related issues:**

Has duplicate Katello - Feature #30956: Configure default repository set for ...

Duplicate

Associated revisions**Revision 67b60bb3 - 11/03/2020 02:26 AM - Jeremy Lenz**

Fixes #24166 - Add requiredTags to custom repos (#8983)

Add "OS Versions" to repositories in custom products

- Uses candlepin requiredTags field
- Compares to provided tags on a host
- Disables repos with nonmatching tags

History**#1 - 07/05/2018 02:39 PM - Thomas McKay**

- Subject changed from *allow adding required-tags to custom products* to *allow adding required-tags to custom products*
- Category changed from *Subscriptions* to *Repositories*
- Assignee changed from *Eric Helms* to *Thomas McKay*

The solution for this is to allow the "required tags" for a repository to be set in candlepin. This functionality already exists in candlepin so need only expose it in katello.

Implementation choices:

1. simple text field (with hint of "rhel-6,rhel-7")
2. editable text field with drop down checkbox choices
3. editable text field with drop down checkbox choices where choices are populated from known existing tags

```
% rct cat-cert /etc/pki/entitlements/FOO.pem
```

Content:

```
Type: yum
Name: Red Hat Developer Toolset RHB RPMs for Red Hat Enterprise Linux 6 Workstation
Label: rhel-workstation-dts-6-rhb-rpms
Vendor: Red Hat
URL: /content/rhb/rhel/workstation/6/6Workstation/$basearch/devtoolset/os
GPG: file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-release,file:///etc/pki/rpm-gpg/RPM-GPG-KEY-redhat-beta
Enabled: False
Expires: 86400
Required Tags: rhel-6-workstation
Arches: x86_64, x86
```

To see the tags 'installed' on the client:

```
% rct cat-cert /etc/pki/product/FOO.pem
```

Product:

```
ID: 69
Name: Red Hat Enterprise Linux Server
Version: 7.5
Arch: x86_64
Tags: rhel-7,rhel-7-server
Brand Type:
Brand Name:
```

#2 - 07/18/2018 05:55 PM - Jonathon Turel

- Target version set to *Katello 3.9.0*
- Triaged changed from *No* to *Yes*

#3 - 08/01/2018 01:39 PM - Thomas McKay

- Status changed from *New* to *Assigned*
- Team Backlog *Tom* added

#4 - 09/20/2018 06:58 PM - Brad Buckingham

- Assignee deleted (Thomas McKay)

#5 - 10/31/2018 06:08 PM - Jonathon Turel

- Status changed from Assigned to New
- Target version changed from Katello 3.9.0 to Katello Backlog
- Team Backlog Brad added
- Team Backlog deleted (Tom)

#6 - 06/08/2020 02:24 PM - Jeremy Lenz

- Subject changed from allow adding required-tags to custom products to [sat-e-492] Allow adding arch and releasever to custom repos
- Description updated
- Target version changed from Katello Backlog to Katello 4.0.0

#7 - 08/04/2020 02:32 PM - Chris Roberts

- Target version changed from Katello 4.0.0 to Katello 3.17.0

#8 - 09/10/2020 01:38 PM - Jonathon Turel

- Target version changed from Katello 3.17.0 to Katello 3.18.0

#9 - 10/07/2020 03:58 PM - Jeremy Lenz

- Subject changed from [sat-e-492] Allow adding arch and releasever to custom repos to [sat-e-492] Allow adding releasever to custom repos
- Assignee set to Jeremy Lenz

#10 - 10/07/2020 05:51 PM - Jonathon Turel

- Has duplicate Feature #30956: Configure default repository set for subscriptions added

#11 - 10/09/2020 01:19 PM - The Foreman Bot

- Status changed from New to Ready For Testing
- Pull request <https://github.com/Katello/katello/pull/8983> added

#12 - 11/03/2020 02:26 AM - The Foreman Bot

- Fixed in Releases Katello 4.0.0 added

#13 - 11/03/2020 03:01 AM - Jeremy Lenz

- Status changed from Ready For Testing to Closed

Applied in changeset [katello|67b60bb3f7690bb68dc6396455f7bdafaa0ffc3.](#)