

Katello - Feature #36087

Remote Execution sometimes needs to use update-minimal --nobest to install errata

02/13/2023 12:29 PM - Andrea Perotti

Status:	New	
Priority:	Normal	
Assignee:		
Category:	Errata Management	
Target version:	Katello 4.13.0	
Difficulty:		Fixed in Releases:
Triaged:	Yes	Found in Releases: Katello 4.7.2
Bugzilla link:	2168835	Red Hat JIRA:
Pull request:		

Description

Description of problem:

When trying to install multiple errata for same package or with shared deps, is possible that dnf bugs cause the failure in the installation of the errata.

Example below is done on a RHEL 8.2:

1. yum update-minimal --advisory=RHSA-2022:2092 --advisory=RHSA-2021:2359
Updating Subscription Management repositories.
This system is registered to Red Hat Subscription Management, but is not receiving updates. You can use subscription-manager to assign subscriptions.
Red Hat Enterprise Linux 8 for x86_64 - AppStream (RPMs)
Red Hat Enterprise Linux 8 for x86_64 - BaseOS (RPMs)

Error:
Problem: package dhcp-client-12:4.3.6-44.el8_4.1.x86_64 requires libdns-export.so.1112()(64bit), but none of the providers can be installed

- cannot install both bind-export-libs-32:9.11.36-3.el8.x86_64 and bind-export-libs-32:9.11.26-4.el8_4.x86_64
 - cannot install both bind-export-libs-32:9.11.36-3.el8.x86_64 and bind-export-libs-32:9.11.26-3.el8.x86_64
 - cannot install both bind-export-libs-32:9.11.36-3.el8.x86_64 and bind-export-libs-32:9.11.26-6.el8.x86_64
 - cannot install the best update candidate for package dhcp-client-12:4.3.6-40.el8.x86_64
 - cannot install the best update candidate for package bind-export-libs-32:9.11.13-3.el8.x86_64
- (try to add '--allowerasing' to command line to replace conflicting packages or '--skip-broken' to skip uninstalleable packages or '--nobest' to use not only best candidate packages)

But if we use the `--nobest` option - like yum suggest to do, we have the appropriate outcome, equal to what will happen if we would install the erratas one by one:

1. yum update-minimal --nobest --advisory=RHSA-2022:2092 --advisory=RHSA-2021:2359
Updating Subscription Management repositories.
This system is registered to Red Hat Subscription Management, but is not receiving updates. You can use subscription-manager to assign subscriptions.
Last metadata expiration check: 1:40:38 ago on Thu 09 Feb 2023 12:46:29 PM CET.
Dependencies resolved.

Problem: package dhcp-client-12:4.3.6-44.el8_4.1.x86_64 requires libdns-export.so.1112()(64bit), but none of the providers can be installed

- cannot install both bind-export-libs-32:9.11.36-3.el8.x86_64 and bind-export-libs-32:9.11.26-4.el8_4.x86_64
- cannot install both bind-export-libs-32:9.11.36-3.el8.x86_64 and bind-export-libs-32:9.11.26-3.el8.x86_64
- cannot install both bind-export-libs-32:9.11.36-3.el8.x86_64 and bind-export-libs-32:9.11.26-6.el8.x86_64
- cannot install the best update candidate for package dhcp-client-12:4.3.6-40.el8.x86_64
- cannot install the best update candidate for package bind-export-libs-32:9.11.13-3.el8.x86_64

=====
=====
=====

Package Size	Architecture		Version	Repository
Upgrading:				
bind-export-libs	x86_64		32:9.11.36-3.el8	
rhel-8-for-x86_64-baseos-rpms		1.1 M		
dhcp-client	x86_64		12:4.3.6-48.el8_7.1	
rhel-8-for-x86_64-baseos-rpms		318 k		
dhcp-common	noarch		12:4.3.6-48.el8_7.1	
rhel-8-for-x86_64-baseos-rpms		207 k		
dhcp-libs	x86_64		12:4.3.6-48.el8_7.1	
rhel-8-for-x86_64-baseos-rpms		148 k		
Skipping packages with conflicts: (add '--best --allowrasing' to command line to force their upgrade):				
bind-export-libs	x86_64		32:9.11.26-3.el8	
rhel-8-for-x86_64-baseos-rpms		1.1 M		
bind-export-libs	x86_64		32:9.11.26-4.el8_4	
rhel-8-for-x86_64-baseos-rpms		1.1 M		
bind-export-libs	x86_64		32:9.11.26-6.el8	
rhel-8-for-x86_64-baseos-rpms		1.1 M		
bind-export-libs	x86_64		32:9.11.36-3.el8	
rhel-8-for-x86_64-baseos-rpms		1.1 M		
Skipping packages with broken dependencies:				
dhcp-client	x86_64		12:4.3.6-44.el8_4.1	
rhel-8-for-x86_64-baseos-rpms		318 k		

This RFE is to adjust installation errata templated in order to address this use case.

History

#1 - 02/13/2023 12:34 PM - Andrea Perotti

- Bugzilla link set to 2168835

#2 - 02/15/2023 07:25 PM - Lucy Fu

- Category set to Errata Management

- Target version set to Katello 4.9.0

- Triaged changed from No to Yes

#3 - 05/26/2023 08:40 PM - Lucy Fu

- Target version changed from Katello 4.9.0 to Katello 4.10.0

#4 - 11/01/2023 05:48 PM - Chris Roberts

- Target version changed from Katello 4.10.0 to Katello 4.11.0

#5 - 12/20/2023 08:46 PM - Ian Ballou

- Target version changed from Katello 4.11.0 to Katello 4.12.0

#6 - 03/27/2024 01:26 PM - Quinn James

- Target version changed from Katello 4.12.0 to Katello 4.13.0

Bumping to 4.13