Packaging - Bug #27201

Foreman RPM Build failing on @novnc/novnc

07/01/2019 05:56 PM - Max Bender

Status:	New		
Priority:	Normal		
Assignee:			
Category:	RPMs		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:	Yes	**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

I am attempting to port Foreman 1.22 to the Mainframe (IBM Z s390x) and am having to rebuild a whole bunch of ruby and nodejs RPM packages. For the most part it is going ok but am running into an issue with the @novnc/novnc package.

Using "@" w/ NPM defines scope and the ability to have private registries. As far as RPM is concerned however the package name is "nodejs-novnc" making the dependency fail when running a "rpmbuild --rebuild foreman....."

I have downloaded, recompiled and installed the nodejs-novnc package provided via Foreman 1.22 Source found https://yum.theforeman.org/releases/1.22/el7/source/ : https://gist.github.com/bendermIBM/803dfc06282493c91f4ef59d17c98af4

After installing I try and find what provides it

```
 root@  ~/rpmbuild/SPECS  rpm -q --whatprovides "npm(@novnc/novnc)"
no package provides npm(@novnc/novnc)
```

but something does provide nodejs-novnc

```
 root@  ~/rpmbuild/SPECS  rpm -q --whatprovides "nodejs-novnc"
nodejs-novnc-1.0.0-1.fc30.noarch
```

And when trying to compile formean into an rpm:

```
rpmbuild -bb foreman.spec
 error: Failed build dependencies:
    npm(@novnc/novnc) >= 1.0.0 is needed by foreman-1.22.0-1.fc30.noarch
    npm(@novnc/novnc) < 2.0.0 is needed by foreman-1.22.0-1.fc30.noarch
```

So is this @novnc package a special compiled version of novnc from foreman that isn't available via the source repository?

History

#1 - 07/01/2019 06:50 PM - Max Bender

- Category set to Packaging

#2 - 07/02/2019 03:59 PM - Ewoud Kohl van Wijngaarden

- Tracker changed from Support to Bug

- Project changed from Foreman to Packaging

- Category changed from Packaging to RPMs

- Triaged changed from No to Yes

This should be built from the nodejs-novnc package that's on the sources. There should be nothing special about this package, but there may also be a bug in the handling of slashes somewhere since that's not really native to RPMs. I suspect the Fedora 30 nodejs-packaging might be slightly different from EL7.

I can reproduce it on x86-64:

```
$ wget https://yum.theforeman.org/releases/1.22/el7/source/nodejs-novnc-1.0.0-1.el7.src.rpm
$ mock -r fedora-30-x86_64 nodejs-novnc-1.0.0-1.el7.src.rpm
# ... output
$ rpm -qp --provides /var/lib/mock/fedora-30-x86_64/result/nodejs-novnc-1.0.0-1.fc30.noarch.rpm
nodejs-novnc = 1.0.0-1.fc30
```

However, it should work:

```
ekohl@wisse .../mock/fedora-30-x86_64/root $ echo builddir/build/BUILD/package/package.json | usr/lib/rpm/node
js.prov
npm(@novnc/novnc) = 1.0.0
```

It looks like the attrs aren't being run on nested directories:

```
$ cat /usr/lib/rpm/fileattrs/nodejs.attr
%__nodejs_provides  %{_rpmconfigdir}/nodejs.prov
%__nodejs_requires  %{_rpmconfigdir}/nodejs.req
%__nodejs_suggests  %{_rpmconfigdir}/nodejs.req --optional
%__nodejs_path  ^/usr/lib(64)?/node_modules/[^/]+/package\\.json$
```

This is different compared to EL7:

```
# cat /usr/lib/rpm/fileattrs/nodejs.attr
%__nodejs_provides  %{_rpmconfigdir}/nodejs.prov
%__nodejs_requires  %{_rpmconfigdir}/nodejs.req
%__nodejs_path  ^/usr/lib.*/node_modules/.*/package\\.json$
```