rpmdeplint

Release 1.0

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Rpmdeplint is a tool to find errors in RPM packages in the context of their dependency graph.

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1.1 Synopsis

rpmdeplint check-sat [*--repo* NAME,PATH] [RPMPATH]
rpmdeplint check-conflicts [*--repo* NAME,PATH] [RPMPATH]
rpmdeplint list-deps [*--repo* NAME,PATH] [RPMPATH]

1.2 Description

The **rpmdeplint** will test dependency satisfiability of given RPM packages against given repositories.

1.3 Options

--repo `NAME,PATH`
    You can provide multiple repos of each type. The NAME may be anything you choose. The path must either be
    a filesystem path or a URL. In either case, the path is expected to point at *repodata/repomd.xml*.

1.4 Arguments

RPMPATH
    Path to an RPM package. This can be a relative or absolute filesystem path.

1.5 Commands

check-sat Checks for unmet dependencies with the given RPM packages against the given repositories. Each unmet
    dependency is listed.

check-conflicts Checks for undeclared file conflicts in the given RPM packages: that is, when one of the given
    package contains a file which is also contained in some other package.

    This command will not report a file as conflicting between two packages if:

    - there is an explicit RPM `Conflicts` between the two packages; or

- the file's checksum, permissions, owner, and group are identical in both packages (RPM allows both packages to own the file in this case); or

- the file's color is different between the two packages (RPM will silently resolve the conflict in favour of the 64-bit file).

list-deps All dependencies will be listed for each given RPM package.

1.6 Exit status

Zero if all dependencies are satisfiable. Non-zero if dependency errors are encountered.

1.7 Examples

Test if an RPM package has unsatisfied dependencies against a remote repository:

```
rpmdeplint check-sat --repo beaker,https://beaker-project.org/yum/client/Fedora23/ my-package.rpm

  Problems with dependency set:
  nothing provides python(abi) = 2.7 needed by some-package-1.2.3.fc23.noarch
  nothing provides TurboGears >= 1.1.3 needed by other-package-33.2-1.fc23.noarch
```

List all dependencies for *my-package.rpm*:

```
rpmdeplint list-deps --repo beaker,https://beaker-project.org/yum/client/Fedora23/ my-package.rpm

  my-package has 72 dependencies:
        basesystem-11-1.fc23.noarch
        bash-4.3.42-1.fc23.x86_64
        beaker-common-22.1-1.fc22.noarch
        ....
```

1.8 Bugs

Bug reports can be submitted to https://bugzilla.redhat.com/.

API

Changelog

3.1 0.1

- Initial release. Supports checking dependency satisfiability and undeclared file conflicts.

Symbols

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