Rocky Enterprise Linux 9.2 Manual Pages on command 'Dpkg::Deps::Simple.3perl'

C:\>man Dpkg::Deps::Simple.3perl

Dpkg::Deps::Simple(3perl) libdpkg-perl Dpkg::Deps::Simple(3perl)

NAME

Dpkg::Deps::Simple - represents a single dependency statement

DESCRIPTION

This object has several interesting properties:

package

The package name (can be undef if the dependency has not been initialized or if the simplification of the dependency lead to its removal).

relation

The relational operator: "=", "<<", "<=", ">=" or ">>". It can be undefined if the dependency had no version restriction. In that case the following field is also undefined.

version

The version.

arches

The list of architectures where this dependency is applicable. It is undefined

when there's no restriction, otherwise it is an array ref. It can contain an exclusion list, in that case each architecture is prefixed with an exclamation mark.

archqual

The arch qualifier of the dependency (can be undef if there is none). In the dependency "python:any (>= 2.6)", the arch qualifier is "any".

restrictions

The restrictions formula for this dependency. It is undefined when there is no restriction formula. Otherwise it is an array ref.

METHODS

$dep = Dpkg::Deps::Simple->new([$dep[, %opts]]);

Creates a new object. Some options can be set through %opts:

host_arch

Sets the host architecture.

build_arch

Sets the build architecture.

build_dep

Specifies whether the parser should consider it a build dependency. Defaults to 0.

tests_dep

Specifies whether the parser should consider it a tests dependency. Defaults to 0.

$dep->reset()

Clears any dependency information stored in $dep so that $dep->is_empty() returns true.

$dep->parse_string($dep_string)

Parses the dependency string and modifies internal properties to match the parsed dependency.

$dep->parse($fh, $desc)

Parse a dependency line from a filehandle.

$dep->load($filename)

Parse a dependency line from $filename.

$dep->output([$fh])

"$dep"

Returns a string representing the dependency. If $fh is set, it prints the string to the filehandle.

$dep->save($filename)

Save the dependency into the given $filename.

$dep->implies($other_dep)

Returns 1 when $dep implies $other_dep. Returns 0 when $dep implies NOT($other_dep). Returns undef when there is no implication. $dep and $other_dep do not need to be of the same type.

$dep->get_deps()

Returns a list of sub-dependencies, which for this object it means it returns itself.

$dep->sort()

This method is a no-op for this object.

$dep->arch_is_concerned($arch)

Returns true if the dependency applies to the indicated architecture.

$dep->reduce_arch($arch)

Simplifies the dependency to contain only information relevant to the given architecture. This object can be left empty after this operation. This trims off the architecture restriction list of these objects.

$dep->has_arch_restriction()

Returns the package name if the dependency applies only to a subset of architectures.

$dep->profile_is_concerned()

Returns true if the dependency applies to the indicated profile.

$dep->reduce_profiles()

Simplifies the dependency to contain only information relevant to the given profile. This object can be left empty after this operation. This trims off the profile restriction list of this object.

$dep->get_evaluation($facts)

Evaluates the dependency given a list of installed packages and a list of virtual packages provided. These lists are part of the Dpkg::Deps::KnownFacts object given as parameters.

Returns 1 when it's true, 0 when it's false, undef when some information is lacking to conclude.

$dep->simplify_deps($facts, @assumed_deps)

Simplifies the dependency as much as possible given the list of facts (see object Dpkg::Deps::KnownFacts) and a list of other dependencies that are known to be true.

$dep->is_empty()

Returns true if the dependency is empty and doesn't contain any useful

information. This is true when the object has not yet been initialized.

$dep->merge_union($other_dep)

Returns true if $dep could be modified to represent the union of both dependencies. Otherwise returns false.

CHANGES

Version 1.02 (dpkg 1.17.10)

New methods: Add $dep->profile_is_concerned() and $dep->reduce_profiles().

Version 1.01 (dpkg 1.16.1)

New method: Add $dep->reset().

New property: recognizes the arch qualifier "any" and stores it in the "archqual" property when present.

Version 1.00 (dpkg 1.15.6)

Mark the module as public.