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

\$ man Dpkg::Arch.3perl

Dpkg::Arch(3perl) libdpkg-perl Dpkg::Arch(3perl)

NAME

Dpkg::Arch - handle architectures

DESCRIPTION

The Dpkg::Arch module provides functions to handle Debian architectures, wildcards, and mapping from and to GNU triplets.

No symbols are exported by default. The :all tag can be used to import all symbols. The :getters, :parsers, :mappers and :operators tags can be used to import specific symbol subsets.

FUNCTIONS

`$arch = get_raw_build_arch()`

Get the raw build Debian architecture, without taking into account variables from the environment.

`$arch = get_build_arch()`

Get the build Debian architecture, using DEB_BUILD_ARCH from the environment if available.

`$arch = get_raw_host_arch()`

Get the raw host Debian architecture, without taking into account variables from the environment.

```
$arch = get_host_arch()
```

Get the host Debian architecture, using DEB_HOST_ARCH from the environment if available.

```
@arch_list = get_valid_arches()
```

Get an array with all currently known Debian architectures.

```
$multiarch = gnutriplet_to_multiarch($gnutriplet)
```

Map a GNU triplet into a Debian multiarch triplet.

```
$multiarch = debarch_to_multiarch($arch)
```

Map a Debian architecture into a Debian multiarch triplet.

```
$gnutriplet = debarch_to_gnutriplet($arch)
```

Map a Debian architecture into a GNU triplet.

```
$arch = gnutriplet_to_debarch($gnutriplet)
```

Map a GNU triplet into a Debian architecture.

```
$bool = debarch_eq($arch_a, $arch_b)
```

Evaluate the equality of a Debian architecture, by comparing with another Debian architecture. No wildcard matching is performed.

```
$bool = debarch_is($arch, $arch_wildcard)
```

Evaluate the identity of a Debian architecture, by matching with an architecture wildcard.

```
$bool = debarch_is_wildcard($arch)
```

Evaluate whether a Debian architecture is an architecture wildcard.

```
$bool = debarch_is_illegal($arch, %options)
```

Validate an architecture name.

If the "positive" option is set to a true value, only positive architectures will be accepted, otherwise negated architectures are allowed.

```
$bool = debarch_is_concerned($arch, @arches)
```

Evaluate whether a Debian architecture applies to the list of architecture restrictions, as usually found in dependencies inside square brackets.

```
@array = debarch_list_parse($arch_list, %options)
```

Parse an architecture list.

If the "positive" option is set to a true value, only positive architectures will be accepted, otherwise negated architectures are allowed.

CHANGES

Version 1.03 (dpkg 1.19.1)

New argument: Accept a "positive" option in `debarch_is_illegal()` and `debarch_list_parse()`.

Version 1.02 (dpkg 1.18.19)

New import tags: `":all"`, `":getters"`, `":parsers"`, `":mappers"`, `":operators"`.

Version 1.01 (dpkg 1.18.5)

New functions: `debarch_is_illegal()`, `debarch_list_parse()`.

Version 1.00 (dpkg 1.18.2)

Mark the module as public.

SEE ALSO

`dpkg-architecture(1)`.