

**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).