NAME

Lintian::Relation::Version − Comparison operators on Debian versions

SYNOPSIS

```
print "yes\n" if versions_equal('1.0', '1.00');
print "yes\n" if versions_gte('1.1', '1.0');
print "no\n" if versions_lte('1.1', '1.0');
print "yes\n" if versions_gt('1.1', '1.0');
print "no\n" if versions_lt('1.1', '1.1');
print "yes\n" if versions_compare('1.1', '<=', '1.1');
```

DESCRIPTION

This module provides five functions for comparing version numbers. The underlying implementation uses `libapt-pkg-perl` to ensure that the results match what dpkg will expect.

FUNCTIONS

versions_equal(A, B)

Returns true if A is equal to B (=) and false otherwise.

versions_lte(A, B)

Returns true if A is less than or equal (<=) to B and false otherwise.

versions_gte(A, B)

Returns true if A is greater than or equal (>=) to B and false otherwise.

versions_lt(A, B)

Returns true if A is less than (<<) B and false otherwise.

versions_gt(A, B)

Returns true if A is greater than (>>) B and false otherwise.

versions_compare(A, OP, B)

Returns true if A OP B, where OP is one of =, <=, >=, <<, or >>, and false otherwise.

versions_comparator (A, B)

Returns −1, 0 or 1 if the version A is (respectively) less than, equal to or greater than B. This is useful for (e.g.) sorting a list of versions:

```
foreach my $version (sort versions_comparator @versions) {
    ...
}
```

AUTHOR

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SEE ALSO

lintian (1)