

**NAME**

AptPkg::Version - APT package versioning class

**SYNOPSIS**

```
use AptPkg::Version;
```

**DESCRIPTION**

The AptPkg::Version module provides an interface to **APT**'s package version handling.

**AptPkg::Version**

The AptPkg::Version package implements the **APT** pkgVersioningSystem class.

An instance of the AptPkg::Version class may be fetched using the `versioning` method from an AptPkg::System object.

The following methods are implemented:

**label**

Return the description of the versioning system, for example:

```
Standard .deb
```

for Debian systems.

**compare(*A*, *B*)**

Compare package version *A* with *B*, returning a negative value if *A* is an earlier version than *B*, zero if the same or a positive value if *A* is later.

**rel\_compare(*A*, *B*)**

Compare distribution release numbers.

**check\_dep(*PKG*, *OP*, *DEP*)**

Check that the package version *PKG* satisfies the relation *OP* to the dependency version *DEP*.

The relation *OP* is specified in the Debian syntax regardless of the versioning system:

```
<< strictly earlier
<= earlier or equal
= exactly equal
>= later or equal
>> strictly later
```

**upstream(*VER*)**

Return the upstream component of the given version string.

**SEE ALSO**

[AptPkg::Config](#) [AptPkg::System](#) [AptPkg\(3pm\)](#).

**AUTHOR**

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