

# VersionUtils

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## VersionUtils

**Kind:** Class

**Source:** [atloria-monorepo/libs/parser-core/src/generators/versioning/version-config.ts](https://github.com/atloria-monorepo/libs/parser-core/src/generators/versioning/version-config.ts)

Version utilities

## Methods

| Method                     | Signature                                                                      | Returns                                       |
|----------------------------|--------------------------------------------------------------------------------|-----------------------------------------------|
| <code>parseVersion</code>  | <code>parseVersion(version: string)</code>                                     | <code>`[number, number, number]</code>        |
| <code>compare</code>       | <code>compare(a: string, b: string)</code>                                     | <code>VersionComparison</code>                |
| <code>sort</code>          | <code>sort(versions: VersionInfo[], ascending: undefined)</code>               | <code>VersionInfo[]</code>                    |
| <code>findLatest</code>    | <code>findLatest(versions: VersionInfo[], includePrerelease: undefined)</code> | <code>`VersionInfo</code>                     |
| <code>isPrerelease</code>  | <code>isPrerelease(version: string)</code>                                     | <code>boolean</code>                          |
| <code>isEOL</code>         | <code>isEOL(version: VersionInfo)</code>                                       | <code>boolean</code>                          |
| <code>generateLabel</code> | <code>generateLabel(version: VersionInfo, isLatest: boolean)</code>            | <code>string</code>                           |
| <code>groupByMajor</code>  | <code>groupByMajor(versions: VersionInfo[])</code>                             | <code>Map&lt;number, VersionInfo[]&gt;</code> |
| <code>getBadgeColor</code> | <code>getBadgeColor(version: VersionInfo)</code>                               | <code>string</code>                           |

## Where it refuses work

- `VersionUtils` stops the work with an early return when `parts.length !== 3`.

- `VersionUtils` stops the work with an early return when `isNaN(major) || isNaN(minor) || isNaN(patch)` .
- `VersionUtils` stops the work with an early return when `!versionA || !versionB` .
- `VersionUtils` stops the work with an early return when `versionA[i] < versionB[i]` .
- `VersionUtils` stops the work with an early return when `versionA[i] > versionB[i]` .
- `VersionUtils` stops the work with an early return when `candidates.length === 0` .