

# Package: uaparserjs (via r-universe)

May 9, 2026

**Type** Package

**Title** Parse 'User-Agent' Strings

**Version** 0.3.8

**Date** 2026-05-09

**Description** Despite there being a section in RFC 7231 <https://datatracker.ietf.org/doc/html/rfc7231#section-5.5.3> defining a suggested structure for 'User-Agent' headers this data is notoriously difficult to parse consistently. Tools are provided that will take in user agent strings and return structured R objects. This is a 'V8'-backed package based on the 'ua-parser' project <https://github.com/ua-parser>.

**URL** <https://github.com/gregfrog/uaparserjs>

**BugReports** <https://github.com/gregfrog/uaparserjs/issues>

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**Suggests** tinytest, yaml

**Depends** R (>= 3.5.0)

**Encoding** UTF-8

**Imports** progress, V8

**RoxygenNote** 7.3.2

**Config/pak/sysreqs** libssl-dev libnode-dev

**Repository** <https://gregfrog.r-universe.dev>

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**RemoteUrl** <https://github.com/gregfrog/uaparserjs>

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ua_parse	<i>Parse a vector of user agents into a data frame</i>
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## Description

Takes in a character vector of user agent strings and returns a data frame classed as tibble. of parsed user agents.

## Usage

```
ua_parse(user_agents, .progress = FALSE)

get_cache()
```

## Arguments

user_agents	a character vector of user agents
.progress	if 'TRUE' will display a progress bar in interactive mode

## Value

a data frame classed as tibble with columns for user agent family, major & minor versions plus patch level along with OS family and major & minor versions plus device brand and model.

## Note

The regex YAML from uap-core is now updated when the package is rebuilt. The effective date can be found in the NEWS file.

## References

<<https://github.com/ua-parser/uap-core/>>

## Examples

```
ua_parse(paste0("Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/535.2 (KHTML, ",
               "like Gecko) Ubuntu/11.10 Chromium/15.0.874.106 ",
               "Chrome/15.0.874.106 Safari/535.2", collapse=""))
```

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uaparserjs

*Parse 'User-Agent' Strings*

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### **Description**

Despite there being a section in RFC 7231 <<https://tools.ietf.org/html/rfc7231#section-5.5.3>> defining a suggested structure for 'User-Agent' headers this data is notoriously difficult to parse consistently. Tools are provided that will take in user agent strings and return structured R objects. This is a 'V8'-backed package based on the 'ua-parser' project <<https://github.com/ua-parser>>.

### **Details**

The package incorporates regular expressions and test data from the ua parser project that are copyrighted by Google and the UA Parser contributors and are used under an Apache 2 license. See the UA parser project for details.

### **Author(s)**

Bob Rudis (@hrbrmstr)

### **See Also**

Useful links:

- <https://github.com/gregfrog/uaparserjs>
- Report bugs at <https://github.com/gregfrog/uaparserjs/issues>

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