

Package ‘uaparserjs’

May 8, 2026

Type Package

Title Parse 'User-Agent' Strings

Version 0.3.7

Date 2026-04-01

Description Despite there being a section in RFC 7231

<[https:](https://datatracker.ietf.org/doc/html/rfc7231#section-5.5.3)

[//datatracker.ietf.org/doc/html/rfc7231#section-5.5.3](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>

License Apache License 2.0 | file LICENSE

Suggests tinytest, yaml

Depends R (>= 3.5.0)

Encoding UTF-8

Imports progress, V8

RoxygenNote 7.3.2

NeedsCompilation no

Author Bob Rudis [aut, cph],
Greg Hunt [aut, cre, cph],
Lindsey Simon [aut] (uap-core),
Tobie Langel [aut] (uap-core),
Colman Humphrey [ctb]

Maintainer Greg Hunt <greg@firmansyah.com>

Repository CRAN

Date/Publication 2026-04-01 10:10:03 UTC

Contents

uaparserjs	2
ua_parse	2

Index	4
--------------	----------

uaparserjs	<i>Parse 'User-Agent' Strings</i>
------------	-----------------------------------

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>

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

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=""))
```

Index

`get_cache (ua_parse)`, [2](#)

`ua_parse`, [2](#)

`uaparserjs`, [2](#)

`uaparserjs-package (uaparserjs)`, [2](#)