

Package ‘uaparserjs’

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:](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>

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Suggests tinytest, yaml

Depends R (>= 3.5.0)

Encoding UTF-8

Imports progress, V8

RoxygenNote 7.3.2

NeedsCompilation no

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

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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>
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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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