

Package ‘uaparserjs’

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Type Package

Title Parse 'User-Agent' Strings

Version 0.4.1

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Description Parses HTTP user agent strings and returns user agent, device and OS information.
This is a ‘V8’-backed package that uses the UA, device and OS definitions from 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, tibble

Depends R (>= 3.5.0)

Encoding UTF-8

Imports progress, V8

NeedsCompilation no

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Contents

uaparserjs	2
ua_parse	2

Index	4
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`uaparserjs`*Parse 'User-Agent' Strings*

Description

This package parses HTTP user agent strings and returns user agent, device and OS information. It does this by providing a wrapper around the user agent parser provided by the ua-parser project's Javascript reference parser (<<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.

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See Also

Useful links:

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

`ua_parse`*Parse a vector of user agents into a data frame*

Description

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

Usage

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

```
get_cache()
```

Arguments

<code>user_agents</code>	a character vector of user agents
<code>.progress</code>	if 'TRUE' will display a progress bar in interactive mode
<code>useNA</code>	If 'TRUE' will ensure that for each user agent passed in a parsed result is returned and NA values will be returned for all attributes. The default value is FALSE for compatibility with existing behaviour. TRUE is recommended. When FALSE, NULL or zero length string user agent strings are not parsed and are not returned in the data frame and under some circumstances not all attributes are returned.

Value

a data frame classed as tibble with columns for:

- user agent string (note that with useNA=TRUE a null string is returned as an NA value not a null)
- user agent family (ua.family)
- major & minor versions (ua.major, ua.minor)
- patch level (ua.patch)
- OS family (os.family)
- major & minor OS versions (os.major, os.minor)
- OS patch (os.patch)
- device family (device.family)
- device brand (device.brand) device model (device.model)

The Family values are identified as "Other" for unrecognised or unparseable user agent strings.

When useNA is true and the [tibble](#) package is available, an actual tibble is returned.

Note

The regex YAML from uap-core is updated when the package is rebuilt. The date and abbreviated hash of the last uap-core commit 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](#)

`tibble`, [3](#)

`ua_parse`, [2](#)

`uaparserjs`, [2](#)

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