

# Package: jsonld (via r-universe)

November 2, 2024

**Type** Package

**Title** JSON for Linking Data

**Version** 2.2.1

**Description** JSON-LD <<https://www.w3.org/TR/json-ld/>> is a light-weight syntax for expressing linked data. It is primarily intended for web-based programming environments, interoperable web services and for storing linked data in JSON-based databases. This package provides bindings to the JavaScript library for converting, expanding and compacting JSON-LD documents.

**License** BSD\_3\_clause + file LICENSE

**URL** <https://docs.ropensci.org/jsonld/>,  
<https://ropensci.r-universe.dev/jsonld>

**BugReports** <https://github.com/ropensci/jsonld/issues>

**Imports** V8, jsonlite, curl (>= 2.7)

**RoxygenNote** 5.0.1.9000

**Roxygen** list(markdown = TRUE)

**Suggests** spelling

**Language** en-US

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

**RemoteUrl** <https://github.com/ropensci/jsonld>

**RemoteRef** master

**RemoteSha** a7bbe51accac999fab186624104f9969747a25f8

## Contents

|                  |          |
|------------------|----------|
| jsonld . . . . . | 2        |
| <b>Index</b>     | <b>4</b> |

**Description**

Wrappers for converting, expanding and compacting JSON-LD documents. All parameters and return values must be JSON strings. Use `jsonlite::toJSON` and `jsonlite::fromJSON` to convert between R objects and JSON format. The [readme](#) has basic examples.

**Usage**

```
jsonld_compact(doc, context, options = NULL)

jsonld_expand(compacted, options = NULL)

jsonld_flatten(doc, context = NULL, options = NULL)

jsonld_frame(doc, frame, options = NULL)

jsonld_from_rdf(rdf, options = list(format = "application/nquads"))

jsonld_to_rdf(doc, options = list(format = "application/nquads"))

jsonld_normalize(doc, options = list(algorithm = "URDNA2015", format =
  "application/nquads"))
```

**Arguments**

|                        |   |
|------------------------|---|
| <code>doc</code>       | a URL or literal string with JSON-LD document |
| <code>context</code>   | a URL or literal string with JSON-LD context  |
| <code>options</code>   | named list with advanced options              |
| <code>compacted</code> | a URL or literal string with JSON message     |
| <code>frame</code>     | a URL or literal string with JSON-LD frame    |
| <code>rdf</code>       | string with RDF text                          |

**Examples**

```
# Example from https://github.com/digitalbazaar/jsonld.js#quick-examples
doc <- '{
  "http://schema.org/name": "Manu Sporny",
  "http://schema.org/url": {"@id": "http://manu.sporny.org/"},
  "http://schema.org/image": {"@id": "http://manu.sporny.org/images/manu.png"}
}'

context <- '{
  "name": "http://schema.org/name",
```

```
"homepage": {"@id": "http://schema.org/url", "@type": "@id"},  
"image": {"@id": "http://schema.org/image", "@type": "@id"}  
'}
```

```
# Compact and expand:  
(out <- jsonld_compact(doc, context))  
(expanded <- jsonld_expand(out))
```

```
# Convert between JSON and RDF:  
cat(nquads <- jsonld_to_rdf(doc))  
jsonld_from_rdf(nquads)
```

```
# Other utilities:  
jsonld_flatten(doc)  
cat(jsonld_normalize(doc))
```

# Index

`jsonld`, [2](#)  
`jsonld_compact (jsonld)`, [2](#)  
`jsonld_expand (jsonld)`, [2](#)  
`jsonld_flatten (jsonld)`, [2](#)  
`jsonld_frame (jsonld)`, [2](#)  
`jsonld_from_rdf (jsonld)`, [2](#)  
`jsonld_normalize (jsonld)`, [2](#)  
`jsonld_to_rdf (jsonld)`, [2](#)  
`jsonlite::fromJSON`, [2](#)  
`jsonlite::toJSON`, [2](#)