

**claujson**

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# ClauJson

- experimental parallel json parser (using simd and multi-thread)
- scj3 (using modified simdjson and clau-parser code)
- use **mimalloc**, ... for performance.

init

first, call init function.

# Data

class

json data : 3, 4.5, "hello", [ 1, 2, 3 ], and { "key": "value" }, ...

Data`s destructor **do not delete object or array.**

(if Data are object or array)

if you want to delete object or array, call claujson::**clean** function.

use std::**move**! no copy constructor, no assignment.

if need copy, then use **clone()** method.

# Array

class

```
std::vector<Data> child;
```

Array's Destructor **delete** child! (if child is array or object)

# Object

class

```
std::vector<Data> key_vec; // must string!
```

```
std::vector<Data> val_vec;
```

Object's Destructor **delete** child! (if val is array or object)

clean

function

for Data.

## check dup of key

- in array or object.



## parse, parse\_str

- `thr_num <- 0` : use all thread of cpu.
- not thread-safe
- `parse(_from_file)`

## save, save\_parallel

- save - slow
- save\_parallel - not thread-safe; when use this function, must not access data.

# log

- `claujson::log.no_print();`

# check

- A. no check dup of key when parsing.
- B. Data j("test string"); // utf-8 check, unicode check. etc..
- C. object <- because of A, like array, object also access using index. (order by input)