PBJson

P. Baillehache

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Introduction

PBJson is a C library providing structures and functions to encode and decode data structures into JSON format.

An example is given below to show how the user can use PBJson to implement encoding and decoding functions of his/her data structures. Structures can include sub-structures recursively. Values can be atomic values (converted into string), array of atomic values, sub-structures, and array of sub-structures. The encoding can be done in a compact form (no indentation and no line return), or a readable form (indentation and line return). The decoding supports both compact and readable form. Keys and values

are delimited by double quote (") and values can include double quote by escaping them with an anti-slash (\). The library has the two folllowing limitations: key's label cannot starts with "[]", and the value must be less than 500 characters long.

It uses the PBErr, GSet and GTree libraries.

1 Definitions

Example of use:

2 Interface

3 Code

3.1 PBJson.c

3.2 PBJson-inline.c

4 Makefile

5 Unit tests

6 Unit tests output

7 Examples

testJsonReadable.txt:

testJsonCompact.txt:

testJsonArray.txt: