JsonStuff for Octave

version 0.1.0, January 2019

Andrew Janke

This manual is for JsonStuff, version 0.1.0.

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1 Introduction

This is the manual for the JsonStuff package version 0.1.0 for GNU Octave.

This document is a work in progress. You are invited to help improve it and submit patches.

JsonStuff provides JSON encoding and decoding functionality for Octave by supplying Matlab-compatible implementations for the `jsonencode`, `jsondecode`, and related functions.

JsonStuff was written by Andrew Janke `<floss@apjanke.net>`. Support can be found on the JsonStuff project GitHub page (`https://github.com/apjanke/octave-jsonstuff`).

2 Getting Started

The easiest way to obtain JsonStuff is by using Octave's `pkg` package manager. To install the latest development (unstable) head of JsonStuff, run this in Octave:

```
pkg install https://github.com/apjanke/octave-jsonstuff/archive/master.zip
```

Soon, once the code gets a bit more stable, numbered releases for JsonStuff will be available, and you should use those instead.

For development, you can obtain the source code for JsonStuff from the project repo on GitHub at `https://github.com/apjanke/octave-jsonstuff`. Upon first installation, run the `__jsonstuff_make_local__` script to build the octfiles so JsonStuff will work. Then add the `inst` directory in the repo to your Octave path.

3 Function Reference

3.1 Functions by Category

3.1.1 JSON Processing

Section 3.2.1 [jsondecode], page 3
Encode Octave data as JSON.

Section 3.2.2 [jsonencode], page 3
Encode Octave data as JSON.

3.2 Functions Alphabetically

3.2.1 jsondecode

value = jsondecode (*text*) [Function]
value = jsondecode (*text*) [Function]

Encode Octave data as JSON.

Encodes the Octave value `data` in JSON format and returns the result as a character vector.

`jsonencode(..., "ConvertInfAndNaN", TF)` controls the encoding of special floating point values NaN, Inf, and -Inf.

See Section 3.2.1 [jsondecode], page 3,

3.2.2 jsonencode

text = jsonencode (*data*) [Function]
text = jsonencode (*data*, "ConvertInfAndNaN", *TF*) [Function]

Encode Octave data as JSON.

Encodes the Octave value `data` in JSON format and returns the result as a character vector.

`jsonencode(..., "ConvertInfAndNaN", TF)` controls the encoding of special floating point values NaN, Inf, and -Inf.

See Section 3.2.1 [jsondecode], page 3,

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4.1 Package Copyright

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