Ruby master - Bug #18167

JSON.load doesn't symbolize names

09/14/2021 01:03 PM - yann.gouverneur (Yann Gouverneur)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
</tr>
<tr>
<td>Target version:</td>
<td></td>
</tr>
<tr>
<td>ruby -v:</td>
<td>ruby 3.0.2p107 (2021-07-07 revision 0db68f0233) [x86_64-linux]</td>
</tr>
<tr>
<td>Backport:</td>
<td>2.6: UNKNOWN, 2.7: UNKNOWN, 3.0: UNKNOWN</td>
</tr>
</tbody>
</table>

**Description**

As per the documentation the JSON#load method should accept **and use** the same parsing options as the JSON#parse one.

Obviously this is not the case:

```
$ ./json_parse_vs_load.rb
JSON.load, no symbolize => OK
{"a"=>1, "b"=>2}
JSON.load, symbolize => KO: keys are not symbols
{"a"=>1, "b"=>2}
JSON.load, no symbolize => OK
{"a"=>1, "b"=>2}
JSON.load, do symbolize => OK
{:a=>1, :b=>2}
```

Either the behavior with parsing options is different between these two methods and the documentation should be updated accordingly or there's a bug in the JSON#load method.

Expecting to have either the documentation updated or the incorrect behavior fixed.

**History**

#1 - 09/14/2021 01:47 PM - Hanmac (Hans Mackowiak)

The Problem lies in the documentation of the load method:

```ruby
JSON.load(source, proc = nil, options = {}) -> object
```

because it isn't coded for newer ruby using **options there, for you to make it work you need:

```ruby
JSON.load( source, null, symbolize_names: true )
```

#2 - 09/14/2021 09:46 PM - jeremyevans0 (Jeremy Evans)

- Status changed from Open to Closed

**Hanmac (Hans Mackowiak)** is correct. I think you also need to manually set create_additions: false, otherwise, an ArgumentError is raised:

```ruby
JSON.load(%{ "a": 1, "b": 2 }, nil, symbolize_names: true, create_additions: false)
# => {:a=>1, :b=>2}
```

As this isn't a bug, I'm going to close this now. If you would like the JSON.load API changed from an options hash to keywords, you should probably file a pull request upstream: https://github.com/flori/json/pulls

**Files**

| json_parse_vs_load.rb | 669 Bytes | 09/14/2021 | yann.gouverneur (Yann Gouverneur) |