

JSON

JavaScript Object Notation

{ " , : }

OVERVIEW

- open-standard format
- human-readable
- attribute–value pairs
- common data format for ajax
- language-independent data format

HISTORY

- 2002
-> launched JSON.org
- 2005 Dez
-> Yahoo offers Webservice with JSON
- 2006 Dez
-> Google use JSON for Webservice

DATA TYPES

- Number *1*
- String *"Hello"*
- Boolean *true*
- Array *[1, 2, 3]*
- Object *{"key": "value"}*
- null *null*

SYNTAX

Key

Value

Key

Value

|

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|

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```
{ "name": "Christian", "alter": 34 };
```



Pair



Pair

EXAMPLE

```
{  
  "firstName": "John",  
  "isAlive": true,  
  "age": 25,  
  "address": {  
    "streetAddress": "21 2nd Street",  
    "city": "New York",  
  },  
  "phoneNumbers": [  
    { "type": "home", "number": "212 555-1234" },  
    { "type": "office", "number": "646 555-4567" }  
  ],  
  "children": [],  
  "spouse": null  
}
```

USE WITH JS

```
var myJSON =  
    '{"name": "Sebbo", "alter": 30}';  
  
var myObject = JSON.parse( myJSON );
```


REVIVER

```
var myJSON =  
    '{"name":"Sebbo", "alter": 30}';  
  
var myObject = JSON.parse( myJSON, function (key, value) {  
    if (key == "name") {  
        return value+"!";  
    }  
    return value;  
});
```

OBJ to JSON STRING

```
var myObj = {  
  "name": "Sebbo",  
  "alter": 30  
};  
  
var myJSON = JSON.stringify( myObj );
```

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```
var myObj = {  
  "name": "Sebbo",  
  "alter": 30  
};
```

```
var myJSON = JSON.stringify( myObj );  
// -> to String
```

```
var myObject = JSON.parse( myJSON );  
// -> to Object
```