# JavaScript Json Intro

- description : JavaScript JSON - Introduction
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## The source of this article

[JSON - Introduction](#)

```
JSON: JavaScript Object Notation.(                        )
JSON                 ,                    (    , Syntax)      .
JSON                                                     .
```

## Exchanging Data

                         ,                                    .

JSON              ,       JavaScript       JSON                 , JSON                              .

                 JSON    JavaScript                              .

             ,                    (parsing)                 JavaScript
   .

## Sending Data

JavaScript                              ,           JSON                              .

### Example

```
<body>

  <h2>Convert a JavaScript object into a JSON string, and send it to the
server.</h2>
  <!--
  demo_json.php:
```

```
  John from New York is 31
  -->
<script>
  var myObj = { name: "John", age: 31, city: "New York" };
  var myJSON = JSON.stringify(myObj);
  window.location = "demo_json.php?x=" + myJSON;
</script>

</body>
```

# Receiving Data

JSON                              , JavaScript                              .

## Example

```
<body>

  <h2>Convert a string written in JSON format, into a JavaScript
object.</h2>

  <p id="demo"></p>

  <script>
    var myJSON = '{"name":"John", "age":31, "city":"New York"}';
    var myObj = JSON.parse(myJSON);
    document.getElementById("demo").innerHTML = myObj.name; // John
  </script>

</body>
```

# Storing Data

                    ,                              ,
  (legal)                    .

JSON                JavaScript                              .

## Example

```
<body>
```

```html
  <h2>Store and retrieve data from local storage.</h2>

  <p id="demo"></p>

  <script>
    var myObj, myJSON, text, obj;

    // Storing data:
    myObj = { name: "John", age: 31, city: "New York" };
    myJSON = JSON.stringify(myObj);
    localStorage.setItem("testJSON", myJSON);

    // Retrieving data;
    text = localStorage.getItem("testJSON");
    obj = JSON.parse(text);
    document.getElementById("demo").innerHTML = obj.name; // John
  </script>

</body>
```

# What is JSON?

| | |
|---|---|
| JSON  JavaScript Object Notation          . | |
| JSON                                 . | |
| JSON   "        "                  . | |
| JSON                  * | |

| | |
|---|---|
| JSON  JavaScript                   JSON                            . | |
| | . |

| | |
|---|---|
| JSON           Douglas Crockford              . | |

# Why use JSON?

JSON                              ,                              ,
                    .

JavaScript     JSON                                      JavaScript
    .

JSON.parse()

            JSON                          ,          JavaScript
    .

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