

# JSON INTRO

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For a long time, XML was the only choice for exchanging and transporting data

But over the years, there has been a lot of change

The more lightweight **JSON** has become a popular alternative to using XML



1. **less verbose**
2. **faster**

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JSON stands for JavaScript Object Notation

JSON is a language-independent data format

But the fact remains: JSON is derived from the JavaScript programming language, and its appearance is similar to that of JavaScript objects

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JSON is widely used by many programming languages

PHP

Ruby

Python

C

Python probably offers the best comparison, as its data structures combined with the JSON library are relatively close to JavaScript

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**Important:** JSON objects are not the same as JavaScript objects

JSON is just a way to format text (aka: data)

JSON is a great alternative to using XML

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All languages have inbuilt functions to make coding easier

JavaScript has an inbuilt **JSON** object

The JSON object can parse JSON data and also convert values to JSON data

Other languages have similar methods to work with JSON

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## JSON

```
`[  
  {  
    "firstName": "Wally"  
  },  
  {  
    "lastName": "Warthog"  
  }  
]`
```

JSON.parse()

## JAVASCRIPT OBJECT

```
[  
  {  
    firstName: "Wally"  
  },  
  {  
    lastName: "Warthog"  
  }  
]
```

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## JSON

```
`[  
  {  
    "firstName": "Wally"  
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```

## JAVASCRIPT OBJECT

```
[  
  {  
    firstName: "Wally"  
  },  
  {  
    lastName: "Warthog"  
  }  
]
```

JSON.stringify()

