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What is JSON?

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json



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1. JSON stands for JavaScript Object Notation.
2. It's a lightweight format for storing and transporting data from a Server to a Web page.
3. It is "self-describing" and easy to understand.
4. JSON Syntax Rules.

- Data is in name/value (any types) pairs.
- Data is separated by commas.
- Curly braces hold Objects.
- Square braces hold Arrays.

```
{  
  "name": "value",  
  "array": [  ]  
}
```

5. In real world JSON could look something like this

```
{
  "Tsensor":[
    {
      "id":"01",
      "name":"Zone1"
      "unit":"DegF"
      "value":"51.2"
      "range":["39.2","167"]
      "diag":"none"
    },
    {
      "id":"02",
      "name":"Zone2"
      "unit":"DegC"
      "value":"81.4"
      "range":["4","80"]
      "diag":"High lube oil temperature"
    }
  ]
}
```

6. Advantages of using JSON

- Faster
- Readable
- Structure Matches the Data
- Objects Align in Code
- Less Verbose

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