

03. JSON vs XML.

Both JSON and XML can be used to receive data from a web server.

The following JSON and XML examples both define an employees object, with an array of 3 employees:

Example: JSON.

Example: XML.



3.1. JSON is Like XML Because

- Both JSON and XML are "self describing" (human readable)
- Both JSON and XML are hierarchical (values within values)
- Both JSON and XML can be parsed and used by lots of programming languages
- Both JSON and XML can be fetched with an XMLHttpRequest

3.2. JSON is Unlike XML Because

- JSON doesn't use end tag
- JSON is shorter
- JSON is quicker to read and write
- JSON can use arrays

The biggest difference is:

XML has to be parsed with an XML parser. JSON can be parsed by a standard JavaScript function.

3.3. Why JSON is Better Than XML

XML is much more difficult to parse than JSON. JSON is parsed into a ready-to-use JavaScript object.

For AJAX applications, JSON is faster and easier than XML:

- Using XML
 - Fetch an XML document
 - Use the XML DOM to loop through the document
 - Extract values and store in variables
- Using JSON
 - Fetch a JSON string
 - o JSON.Parse the JSON string