

JSON

What is JSON?



JSON

- An acronym – JavaScript Object Notation
- Text Format
- Used to exchange data between platforms
- Subset of JavaScript – does not require JavaScript and is not limited to use with JavaScript
- Based on the JavaScript Object Literal



JSON

- It is a notation
 - A system of characters for representing data
- It is portable
 - Works with different platforms and systems
- It uses text format
 - Files have a .json extension
 - Created using a text editor



JSON vs XML

- Both are used for marking up data
- Both can be used by many different programming languages
- Both are easily read
- Both can be created using text editors



JSON vs XML

- JSON can be shorter - there is no requirement for a closing tag
- Smaller file size -> Quicker file transfer -> Smaller bandwidth requirements



```
example500size.json
1 {
2   "students": [
3     {
4       "firstName" : "Clark",
5       "lastName" : "Kent",
6       "studentID" : 900232454
7     },
8     {
9       "firstName" : "Diana",
10      "lastName" : "Prince",
11      "studentID" : 100200300
12    }
13  ]
14 }
```

```
1 <?xml version="1.0" ?>
2 <students>
3   <student>
4     <firstName>Clark</firstName>
5     <lastName>Kent</lastName>
6     <studentID>900232454</studentID>
7   </student>
8   <student>
9     <firstName>Diana</firstName>
10    <lastName>Prince</lastName>
11    <studentID>100200300</studentID>
12  </student>
13 </students>
```

