

# JSON format for LGR

draft-schiltknecht-lgr-json-00

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# What for?

- Like jCard for vCard, JSON format to represent LGR.
- Some people find XML a bit verbose...
- And some people find writing JSON to be a bit simpler.

# Goals

- Round-tripping (XML and JSON formats must be equivalent): this allows validation of the JSON document!
- Preserve ordering of elements since it determine precedence of actions in LGR: use of JSON arrays.

# General conversion scheme

- Basic structure:

```
{ "meta": [], "data": [], "rules": [] }
```

- XML element represented as:

```
["XML name", {object of attributes}, value]
```

with *value*:

- A string for a simple text value
- An array of converted XML elements for XML children

# Example

```
<char cp="00DF" comment="β">  
  <var cp="0073 0073" comment="ss"/>  
</char>
```

```
[ "char", { "cp": "00DF", "comment": "β" }, [  
  [ "var", { "cp": "0073 0073", "comment": "ss" }, []]  
]]
```

# Example 2

```
<class name="virama" property="ccc:9" />
```

```
<rule name="joiner" ref="1" >
```

```
  <look-behind>
```

```
    <class by-ref="virama" />
```

```
  </look-behind>
```

```
  <anchor />
```

```
</rule>
```

```
[ "class", { "name": "virama", "property": "ccc:9" }, [],
```

```
[ "rule", { "name": "joiner", "ref": "1" }, [
```

```
  [ "look-behind", {}, [ [ "class", { "by-ref": "virama" }, [] ] ],
```

```
  [ "anchor", {}, [] ]
```

```
]
```

Interest?  
Comments?  
Questions?