

Converting JSON to RDF/XML with Groovy

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Mark's new [CCO/RDF hosting functionality](#) (see also [my post two days ago](#)) requires [RDF/XML format](#), so I updated my code to convert the [Chempedia Substances](#) data into RDF/XML instead of N3 (I have asked Rich to put a new download link online). This is the [Groovy](#) code I used:

```
import groovy.xml.MarkupBuilder
import groovy.util.IndentPrinter

input = new File("substances.json")
json = new JsonSlurper().parse(input);

def writer = new StringWriter()
def xml = new MarkupBuilder(
    new IndentPrinter(new PrintWriter(writer))
)
xml.'rdf:RDF'(
    'xmlns:rdf' :
        'http://www.w3.org/1999/02/22-rdf-syntax-ns#',
    'xmlns:dc' :
        'http://purl.org/dc/elements/1.1/',
    'xmlns:iupac' :
        'http://www.iupac.org/',
    'xmlns:cp' :
        'http://rdf.openmolecules.net/chempedia/onto#',
    'xmlns:owl' :
        'http://www.w3.org/2002/07/owl#'
) {
    json.each { substance ->
        xml.'rdf:Description'(
            'rdf:about': substance.uri
        ) {
            xml.'dc:identifier'(substance.gsid)
            xml.'owl:sameAs'(
                'rdf:resource' :
                    'http://rdf.openmolecules.net/?' +
                    substance.inchi
            )
            xml.'iupac:inchi'(
                'http://rdf.openmolecules.net/?' +
                substance.inchi
            )
        }
        for (int i = 0; i<substance.namings.size(); i++)
        {
            naming = substance.namings.get(i);
```

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