A Developer Diary

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July 28, 2015 By Abhisek Jana — 5 Comments (Edit)

How to convert XML to JSON in Java

I was working on a project a while back and one of the requirement was to convert xml to json for one feed which was in xml format. We were using mongodb to store the feed so I was looking for a simple solution. I came across many libraries and finally used `json.org`. Find here how to convert XML to JSON in Java.[the_ad id="763"]

The only problem was with Array, I wanted the array to be in the same order as it was in the XML file. So I had to make a small modification to the `JSONObject` class. You need to replace the `HashMap` with the `LinkedHashMap` in the `JSONObject` class file. It should be present in two places, inside the `JSONObject()` & `JSONObject(Map map)` method.

```java
public JSONObject() {
    this.map = new LinkedHashMap<String, Object>();
}
```

```java
public JSONObject(Map<String, Object> map) {
    this.map = new LinkedHashMap<String, Object>();
    if (map != null) {
        Iterator<Entry<String, Object>> i =
```
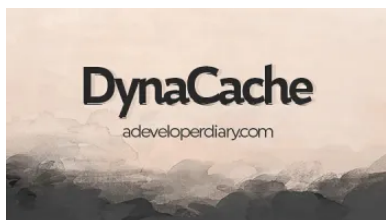
```
map.entrySet().iterator();
        while (i.hasNext()) {
            Entry<String, Object> entry = i.next();
            Object value = entry.getValue();
            if (value != null) {
                this.map.put(entry.getKey(),
wrap(value));
            }
        }
    }
}
```

The implementation is simple. Here is the code:

```
String xml = FileUtils.readFileToString(new
File("test.xml"));
System.out.println(org.json.XML.toJSONObject(xml).toString());
```
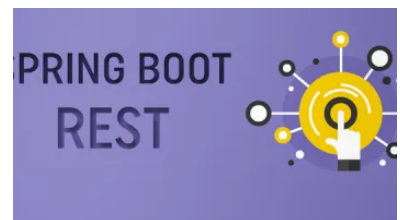

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Comments

Piyush says
March 10, 2016 at 5:05 am

(Edit)

If you have a valid dtd file for the xml snippet, then you can easily convert xml to json and json to xml using the open source eclipse link jar. Detailed sample JAVA project can be found here:

http://cubicrace.com/2015/06/How-to-convert-XML-to-JSON-format.html

Reply

Kishore says
June 14, 2016 at 6:13 am

(Edit)

Hi,

So you updated the JSONObject java source, to include your method?

Reply

> **A Developer Diary** says
> June 14, 2016 at 10:45 am
>
> (Edit)
>
> Yes, the method would be there, just change the HashMap to LinkedHashMap
>
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naveen says
April 16, 2017 at 1:25 pm

(Edit)

From where FileUtils class is imported.

Reply

Mauro says
March 27, 2021 at 7:29 pm

(Edit)

how do I change jsonobject?

Reply

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