



classToJSON

Syntax	<pre>set aString = anObject.classToJSON() set aString = anObject.classToJSON(options)</pre>
Semantics	<p>The operation <code>classToJSON()</code> takes any object (<code>anObject</code>) or array of objects and tries to map it to a JSON string <code>aString</code>. If this is not possible, an error is raised. JSON types and xUML types are mapped as listed on JSON Type Mapping.</p> <div> <code>classToJSON()</code> does not support cyclic structures. When a cyclic structure is detected during serializing the given object, an exception will be thrown.</div>
Substitutables	<div>a n o b j e c t</div> <div>Any object.</div>
	<div>a s t r i n g</div> <div>Target JSON document as String.</div>

JSONAdapter_Example



Click the icon to download a simple example model that shows the usage of the JSON adapter (`classToJSON`) in **Sc heer PAS Designer**.

- Related Pages:
- [jsonToClass\(\) Operation](#)
 - [JSON Type Mapping](#)
 - [classToExtendedJSON\(\) Operation](#)
 - [extendedJSONToClass\(\) Operation](#)

options

The optional parameter is an object of type **ComposerOptions**.

ComposerOptions
+compact : Boolean [1] +keepNulls : Boolean [1] +writeTypeDiscriminator : Boolean [1] = true

Its attribute is:

Attribute	Type	Description	Allowed Values	
keepNulls	Boolean	When keepNulls is true, attributes of anObject with NULL values will be rendered to the JSON object, otherwise they will be left out completely (see also chapter NULL Values). The default behavior of <code>classToJson()</code> (i.e. when called without options) is equivalent to keepNulls =false.	true	Render NULL attributes to the JSON object.
			false	Leave out NULL attributes (default).
compact	Boolean	When compact is true, the JSON composer will generate compact JSON, otherwise it will generate pretty JSON. The default behavior of <code>classToJson()</code> (i.e. when called without options) is equivalent to compact =false.	true	Generate compact JSON.
			false	Generate pretty JSON (default).
writeTypeDiscriminator	Boolean	Use writeTypeDiscriminator to suppress the generation of xUML type properties ("e2e:type") to the generated JSON. If this option is true, the Runtime will write the original xUML type to the generated JSON in form of "e2e:type": "<name of the original xUML type>" if the type being serialized does not match the expected metadata. This is necessary if you want to convert the generated JSON back to an xUML class using <code>jsonToClass()</code> . Runtime versions before 2021.6 will ignore the value.	true	Write xUML type discriminator (default).
			false	Do not write xUML type discriminator.

Examples

```
set addressAsJSONDocument = myAddress.classToJson();
```

JSONAdapter_Example



Click the icon to download a simple example model that shows the usage of the JSON adapter (`classToJson`) in **Scheer PAS Designer**.