


# 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>) 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 in chapter <a href="#">jsonToClass() Operation</a>.</p> <div><p> <code>classToJSON()</code> does not support cyclic structures. When a cyclic structure is detected during serializing the given object, an exception will be thrown.</p><p>Runtimes before 2023.1 Trying to serialize a cyclic structure leads to a service crash.</p></div> <p>Builder 7.5.0 You can hide attributes from being serialized by applying stereotype <code>&lt;&lt;E2EPrivate&gt;&gt;</code>. Refer to <a href="#">Hiding Attributes From Interfaces</a> for more information.</p>
Substitutables	<div><div>a n o b j e c t</div><div>Any object.</div></div>
	<div><div>a s t r i n g</div><div>Target JSON document as <b>String</b>.</div></div>

## Related Pages:

- [jsonToClass\(\) Operation](#)
- [Hiding Attributes From Interfaces](#)
- [JSON Type Mapping](#)
- [classToExtendedJSON\(\) Operation](#)
- [extendedJSONTtoClass\(\) 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	
compact	Boolean	When <b>compact</b> 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 <b>compact=false</b> .	true	Generate compact JSON.
			false	Generate pretty JSON (default).
keepNulls	Boolean	When <b>keepNulls</b> is true, attributes of an Object with NULL values will be rendered to the JSON object, otherwise they will be left out completely (see also chapter <a href="#">NULL Values</a> ). The default behavior of <code>classToJson()</code> (i.e. when called without options) is equivalent to <b>keepNulls=false</b> .	true	Render NULL attributes to the JSON object.
			false	Leave out NULL attributes (default).
writeTypeDiscriminator	Boolean	Runtime 2021.6 Use <b>writeTypeDiscriminator</b> 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 <a href="#">jsonToClass()</a> .  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();
```

#### Example File (Builder project Add-ons/JSON):



<your example path>\Add-ons\JSON\uml\userManager.xml