

classToExtendedJSON

Runtime 2021.6 Builder 7.15.0

Syntax	<pre>set aString = anObject.classToExtendedJson() set aString = anObject.classToExtendedJson(format) set aString = anObject.classToExtendedJson(options)</pre>						
Semantics	The operation <code>classToExtendedJson()</code> takes any object (<code>anObject</code>) and tries to map it to an Extended JSON string <code>aString</code>.  In opposition to classToJson() Operation, <code>classToExtendedJson()</code> preserves the order of attributes of the converted class. JSON types and xUML types are mapped as listed in chapter jsonToClass() Operation. These details also refer to Extended JSON. If the conversion is not possible, an error is raised.  <code>classToExtendedJSON()</code> does not support cyclic structures. When a cyclic structure is detected during serializing the given object, an exception will be thrown. Runtimes before 2023.1 Trying to serialize a cyclic structure leads to a service crash. You can hide attributes from being serialized by applying stereotype <code><<E2EPrivate>></code>. Refer to Hiding Attributes From Interfaces for more information.						
Substitutables	<table><tr><td>a n o b j e c t</td><td>Any object.</td></tr><tr><td>a S t r i n g</td><td>Target Extended JSON document as String.</td></tr><tr><td>f o r m a t</td><td>String that specifies the format of the Extended JSON that should be produced (more details see options below).</td></tr></table>	a n o b j e c t	Any object.	a S t r i n g	Target Extended JSON document as String .	f o r m a t	String that specifies the format of the Extended JSON that should be produced (more details see options below).
a n o b j e c t	Any object.						
a S t r i n g	Target Extended JSON document as String .						
f o r m a t	String that specifies the format of the Extended JSON that should be produced (more details see options below).						

Related Pages:

- [ExtendedJSONToClass](#)
- [Hiding Attributes From Interfaces](#)
- [classToJson\(\) Operation](#)
- [jsonToClass\(\) Operation](#)
- [MongoDB Adapter](#)

Related Documentation:

- [MongoDB Extended JSON](#)

options

This optional parameter is an object of type **ExtendedJSONComposerOptions**.

ExtendedJSONComposerOptions

+format : ExtendedJSONFormat [1]
+keepNulls : Boolean [1]
+writeTypeDiscriminator : Boolean [1] = false

Its attributes are:

Attribute	Type	Description	Allowed Values	
format	String	Use format to specify which kind of Extended JSON should be produced: canonical or relaxed Extended JSON.	canonical	Produce canonical Extended JSON (default).
			relaxed	Produce relaxed Extended JSON.
keepNulls	Boolean	When keepNulls is true, attributes of anObject with NULL values will be rendered to the Extended 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 Extended JSON string.
			false	Leave out NULL attributes (default).
writeTypeDiscriminator	Boolean	Runtime 2021.6 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 Extended JSON back to an xUML class using extended JSONToClass() Operation.	true	Write xUML type discriminator.
			false	Do not write xUML type discriminator (default).

 In contrast to [classToJson\(\)](#) Operation, **writeTypeDiscriminator** defaults to **false** for `classToExtendedJson()`.

Examples

```
set aMongoDBdocument = myAddress.classToExtendedJson();
set aMongoDBdocument = myAddress.classToExtendedJson("relaxed");
```

Example File (Builder project Add-ons/MongoDB):



<your example path>\Add-ons\MongoDB\uml\simpleMongoDbAccess.xml

For more information on Extended JSON refer to [MongoDB Extended JSON](#).