

Schema **schema-for-json.xsd**

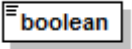
schema location: [../schema-for-json.xsd](#)
 attributeFormDefault:
 elementFormDefault: **qualified**
 targetNamespace: **http://www.w3.org/2015/EXI/json**

Elements	Complex types	Simple types	Attr. groups
array	arrayType	booleanType	key-group
boolean	mapType	numberType	
map	nullType	stringType	
null	otherType		
number			
other			
string			

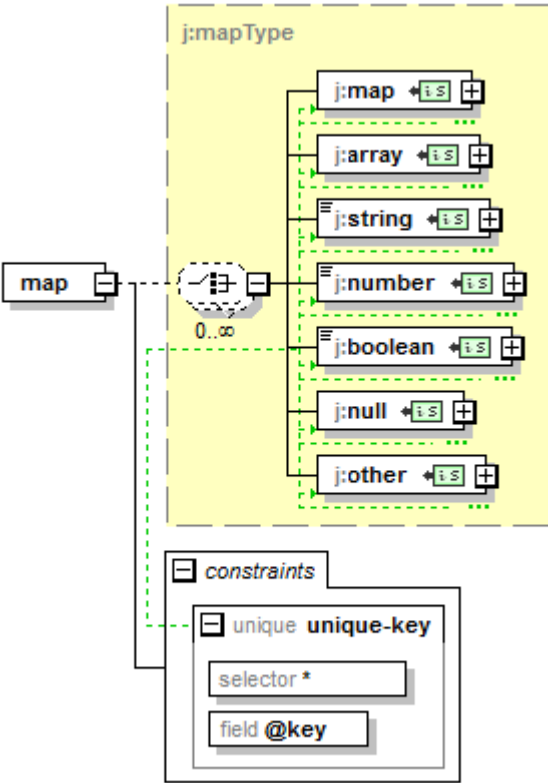
element **array**

diagram	
namespace	http://www.w3.org/2015/EXI/json
type	j:arrayType
properties	content complex
children	j:map j:array j:string j:number j:boolean j:null j:other
used by	complexType arrayType
source	<code><xs:element name="array" type="j:arrayType"/></code>

element boolean

diagram	
namespace	http://www.w3.org/2015/EXI/json
type	j:booleanType
properties	content simple
used by	complexType arrayType
source	<code><xs:element name="boolean" type="j:booleanType"/></code>

element map

diagram						
namespace	http://www.w3.org/2015/EXI/json					
type	j:mapType					
properties	content complex					
children	j:map j:array j:string j:number j:boolean j:null j:other					
used by	complexType arrayType					
identity constraints	unique	Name unique-key	Refer	Selector *	Field(s) @key	Annotation
source	<pre><xs:element name="map" type="j:mapType"> <xs:unique name="unique-key"> <xs:selector xpath="*" /> </xs:unique> </xs:element></pre>					

	<pre><xs:field xpath="@key"/> </xs:unique> </xs:element></pre>
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element null

diagram	
namespace	http://www.w3.org/2015/EXI/json
type	j:nullType
properties	content complex
used by	complexType arrayType
source	<pre><xs:element name="null" type="j:nullType"/></pre>

element number


diagram										
namespace	http://www.w3.org/2015/EXI/json									
type	j:numberType									
properties	content simple									
used by	complexType arrayType									
facets	<table border="0"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minExclusive</td> <td>-INF</td> <td></td> </tr> <tr> <td>maxExclusive</td> <td>INF</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minExclusive	-INF		maxExclusive	INF	
Kind	Value	Annotation								
minExclusive	-INF									
maxExclusive	INF									
source	<pre><xs:element name="number" type="j:numberType"/></pre>									

element other

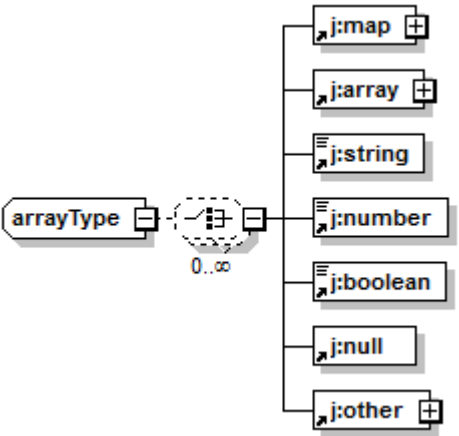
diagram	
namespace	http://www.w3.org/2015/EXI/json

type	j:otherType
properties	content complex
children	j:base64Binary j:dateTime j:time j:date j:integer j:decimal
used by	complexType arrayType
source	<code><xs:element name="other" type="j:otherType"/></code>

element string

diagram	
namespace	http://www.w3.org/2015/EXI/json
type	j:stringType
properties	content simple
used by	complexType arrayType
source	<code><xs:element name="string" type="j:stringType"/></code>

complexType arrayType

diagram	
namespace	http://www.w3.org/2015/EXI/json
children	j:map j:array j:string j:number j:boolean j:null j:other
used by	elements array mapType/array
source	<pre><xs:complexType name="arrayType"> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element ref="j:map"/> <xs:element ref="j:array"/> <xs:element ref="j:string"/> <xs:element ref="j:number"/> <xs:element ref="j:boolean"/> <xs:element ref="j:null"/> <xs:element ref="j:other"/> </xs:choice></pre>

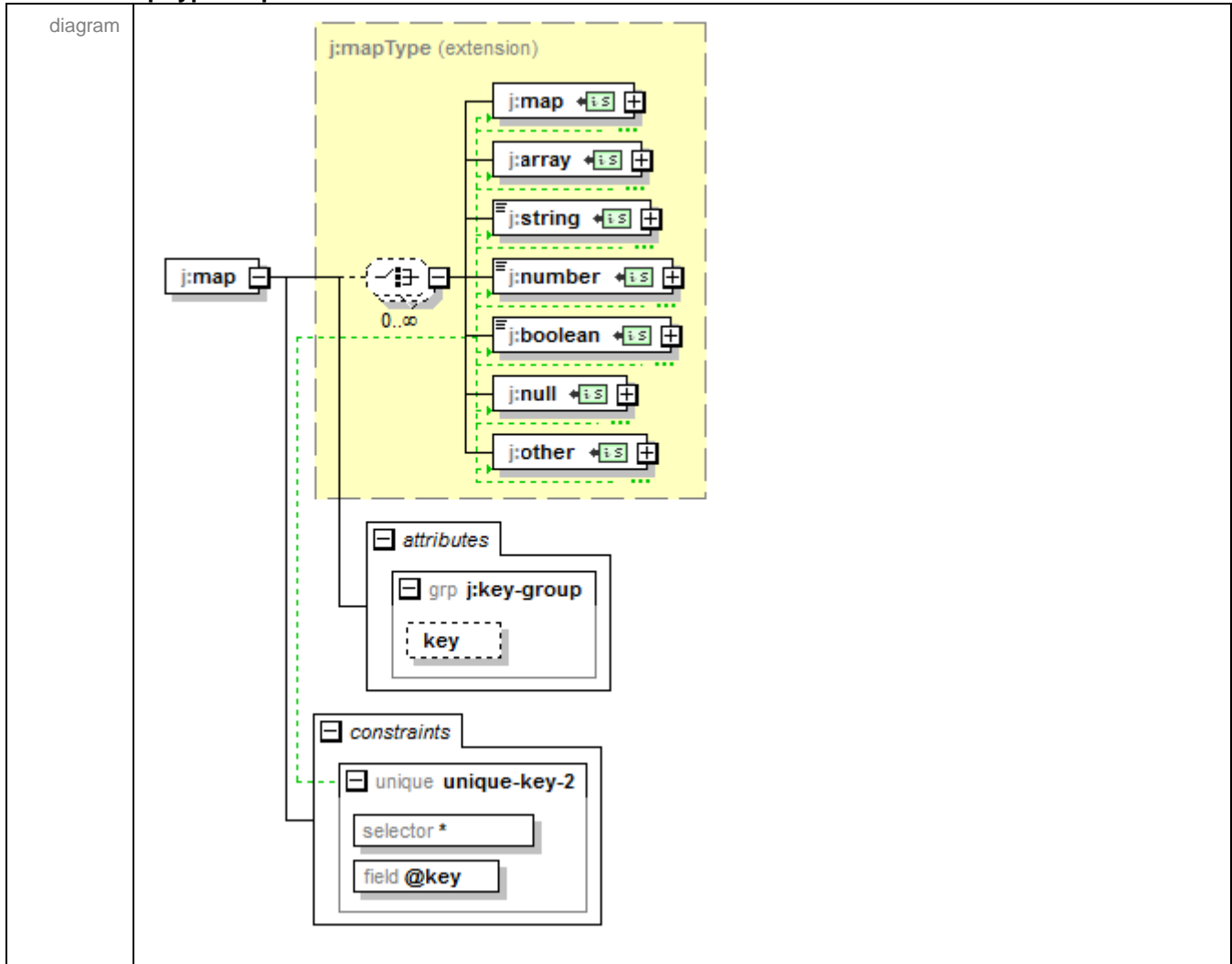
</xs:complexType>

complexType mapType

diagram	
namespace	http://www.w3.org/2015/EXI/json
children	j:map j:array j:string j:number j:boolean j:null j:other
used by	elements mapType/map map
source	<pre><xs:complexType name="mapType"> <xs:choice minOccurs="0" maxOccurs="unbounded"> <xs:element name="map"> <xs:complexType> <xs:complexContent> <xs:extension base="j:mapType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:complexContent> </xs:complexType> <xs:unique name="unique-key-2"> <xs:selector xpath="*"/> <xs:field xpath="@key"/> </xs:unique> </xs:element> <xs:element name="array"> <xs:complexType> <xs:complexContent> <xs:extension base="j:arrayType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> <xs:element name="string"> <xs:complexType> <xs:simpleContent> <xs:extension base="j:stringType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:choice> </xs:complexType></pre>

```
</xs:complexType>
</xs:element>
<xs:element name="number">
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="j:numberType">
        <xs:attributeGroup ref="j:key-group"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element name="boolean">
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="j:booleanType">
        <xs:attributeGroup ref="j:key-group"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element name="null">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="j:nullType">
        <xs:attributeGroup ref="j:key-group"/>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
<xs:element name="other">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension base="j:otherType">
        <xs:attributeGroup ref="j:key-group"/>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
</xs:choice>
</xs:complexType>
```

element **mapType/map**



namespace	http://www.w3.org/2015/EXI/json					
type	extension of j:mapType					
properties	content complex					
children	j:map j:array j:string j:number j:boolean j:null j:other					
used by	complexType	arrayType				
attributes	Name key	Type xs:string	Use	Default	Fixed	Annotation
identity constraints	unique	Name unique-key-2	Refer	Selector *	Field(s) @key	Annotation
source	<pre> <xs:element name="map"> <xs:complexType> <xs:complexContent> <xs:extension base="j:mapType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>					

```

<xs:unique name="unique-key-2">
  <xs:selector xpath="*" />
  <xs:field xpath="@key" />
</xs:unique>
</xs:element>

```

element `mapType/array`

diagram													
namespace	http://www.w3.org/2015/EX1/json												
type	extension of j:arrayType												
properties	content complex												
children	j:map j:array j:string j:number j:boolean j:null j:other												
used by	complexType arrayType												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>key</td> <td><code>xs:string</code></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	key	<code>xs:string</code>				
Name	Type	Use	Default	Fixed	Annotation								
key	<code>xs:string</code>												
source	<pre> <xs:element name="array"> <xs:complexType> <xs:complexContent> <xs:extension base="j:arrayType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>												

element `mapType/string`

diagram						
namespace	http://www.w3.org/2015/EXI/json					
type	extension of j:stringType					
properties	content complex					
used by	complexType arrayType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	key	<code>xs:string</code>				
source	<pre> <xs:element name="string"> <xs:complexType> <xs:simpleContent> <xs:extension base="j:stringType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>					

element `mapType/number`

diagram						
namespace	http://www.w3.org/2015/EXI/json					
type	extension of j:numberType					
properties	content complex					
used by	complexType arrayType					
facets	Kind	Value	Annotation			
	minExclusive	-INF				
	maxExclusive	INF				
attributes	Name	Type	Use	Default	Fixed	Annotation
	key	<code>xs:string</code>				
source	<pre> <xs:element name="number"> <xs:complexType> <xs:simpleContent> <xs:extension base="j:numberType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>					

```

</xs:simpleContent>
</xs:complexType>
</xs:element>

```

element mapType/boolean

diagram						
namespace	http://www.w3.org/2015/EXI/json					
type	extension of j:booleanType					
properties	content complex					
used by	complexType arrayType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	key	xs:string				
source	<pre> <xs:element name="boolean"> <xs:complexType> <xs:simpleContent> <xs:extension base="j:booleanType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>					

element mapType/null

diagram						
namespace	http://www.w3.org/2015/EXI/json					
type	extension of j:nullType					
properties	content complex					
used by	complexType arrayType					
attributes	Name	Type	Use	Default	Fixed	Annotation
	key	xs:string				
source	<pre> <xs:element name="null"> <xs:complexType> <xs:complexContent> <xs:extension base="j:nullType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

```


</xs:extension>
</xs:complexContent>
</xs:complexType>
</xs:element>

```

element `mapType/other`

diagram													
namespace	http://www.w3.org/2015/EX1/json												
type	extension of j:otherType												
properties	content complex												
children	j:base64Binary j:dateTime j:time j:date j:integer j:decimal												
used by	complexType arrayType												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>key</td> <td>xs:string</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	key	xs:string				
Name	Type	Use	Default	Fixed	Annotation								
key	xs:string												
source	<pre> <xs:element name="other"> <xs:complexType> <xs:complexContent> <xs:extension base="j:otherType"> <xs:attributeGroup ref="j:key-group"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>												

complexType nullType

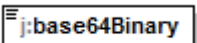
diagram	
namespace	http://www.w3.org/2015/EXI/json
used by	elements mapType/null null
source	<code><xs:complexType name="nullType"/></code>

complexType otherType

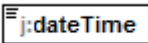
diagram	
namespace	http://www.w3.org/2015/EXI/json
children	j:base64Binary j:dateTime j:time j:date j:integer j:decimal
used by	elements mapType/other other
source	<pre> <xs:complexType name="otherType"> <xs:choice> <!-- useful types beyond JSON such as binary, date-times, decimal and integer --> <xs:element name="base64Binary"> <xs:simpleType> <xs:restriction base="xs:base64Binary"/> </xs:simpleType> </xs:element> <xs:element name="dateTime"> <xs:simpleType> <xs:restriction base="xs:dateTime"/> </xs:simpleType> </xs:element> <xs:element name="time"> <xs:simpleType> <xs:restriction base="xs:time"/> </xs:simpleType> </xs:element> <xs:element name="date"> <xs:simpleType> <xs:restriction base="xs:date"/> </xs:simpleType> </xs:element> <xs:element name="integer"> <xs:simpleType> <xs:restriction base="xs:integer"/> </xs:simpleType> </xs:element> </xs:choice> </xs:complexType> </pre>

	<pre> </xs:simpleType> </xs:element> <xs:element name="decimal"> <xs:simpleType> <xs:restriction base="xs:decimal"/> </xs:simpleType> </xs:element> </xs:choice> </xs:complexType> </pre>
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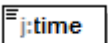
element otherType/base64Binary

diagram	
namespace	http://www.w3.org/2015/EXI/json
type	restriction of xs:base64Binary
properties	content simple
source	<pre> <xs:element name="base64Binary"> <xs:simpleType> <xs:restriction base="xs:base64Binary"/> </xs:simpleType> </xs:element> </pre>

element otherType/dateTime


diagram	
namespace	http://www.w3.org/2015/EXI/json
type	restriction of xs:dateTime
properties	content simple
source	<pre> <xs:element name="dateTime"> <xs:simpleType> <xs:restriction base="xs:dateTime"/> </xs:simpleType> </xs:element> </pre>

element otherType/time


diagram	
namespace	http://www.w3.org/2015/EXI/json
type	restriction of xs:time
properties	content simple
source	<pre> <xs:element name="time"> <xs:simpleType> </pre>

	<pre> <xs:restriction base="xs:time"/> </xs:simpleType> </xs:element> </pre>
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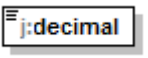
element otherType/date

diagram	
namespace	http://www.w3.org/2015/EXI/json
type	restriction of xs:date
properties	content simple
source	<pre> <xs:element name="date"> <xs:simpleType> <xs:restriction base="xs:date"/> </xs:simpleType> </xs:element> </pre>

element otherType/integer

diagram	
namespace	http://www.w3.org/2015/EXI/json
type	restriction of xs:integer
properties	content simple
source	<pre> <xs:element name="integer"> <xs:simpleType> <xs:restriction base="xs:integer"/> </xs:simpleType> </xs:element> </pre>

element otherType/decimal

diagram	
namespace	http://www.w3.org/2015/EXI/json
type	restriction of xs:decimal
properties	content simple
source	<pre> <xs:element name="decimal"> <xs:simpleType> <xs:restriction base="xs:decimal"/> </xs:simpleType> </xs:element> </pre>

simpleType booleanType

namespace	http://www.w3.org/2015/EXI/json
type	xs:boolean
properties	base xs:boolean
used by	elements boolean mapType/boolean
source	<pre><xs:simpleType name="booleanType"> <xs:restriction base="xs:boolean"/> </xs:simpleType></pre>

simpleType numberType

namespace	http://www.w3.org/2015/EXI/json									
type	restriction of xs:double									
properties	base xs:double									
used by	elements mapType/number number									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minExclusive</td> <td>-INF</td> <td></td> </tr> <tr> <td>maxExclusive</td> <td>INF</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minExclusive	-INF		maxExclusive	INF	
Kind	Value	Annotation								
minExclusive	-INF									
maxExclusive	INF									
source	<pre><xs:simpleType name="numberType"> <xs:restriction base="xs:double"> <xs:minExclusive value="-INF"/> <xs:maxExclusive value="INF"/> <!-- exclude positive and negative infinity, and NaN --> <!-- Note: No real effect for EXI Float datatype --> </xs:restriction> </xs:simpleType></pre>									

simpleType stringType

namespace	http://www.w3.org/2015/EXI/json
type	xs:string
properties	base xs:string
used by	elements mapType/string string
source	<pre><xs:simpleType name="stringType"> <xs:restriction base="xs:string"/> </xs:simpleType></pre>

attributeGroup key-group

namespace	http://www.w3.org/2015/EXI/json												
used by	elements mapType/array mapType/boolean mapType/map mapType/null mapType/number mapType/other mapType/string												
attributes	<table border="1"> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>key</td> <td>xs:string</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	key	xs:string				
Name	Type	Use	Default	Fixed	Annotation								
key	xs:string												
source	<pre><xs:attributeGroup name="key-group"> <xs:attribute name="key" type="xs:string"/> </xs:attributeGroup></pre>												

	<code></xs:attributeGroup></code>
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attribute **key-group/@key**

type	<code>xs:string</code>
source	<code><xs:attribute name="key" type="xs:string"/></code>