

Jing

Jing Component

The Jing component uses the [Jing Library](#) to perform XML validation of the message body using either

- [RelaxNG XML Syntax](#)
- [RelaxNG Compact Syntax](#)

Maven users will need to add the following dependency to their `pom.xml` for this component:

```
<dependency>
  <groupId>org.apache.camel</groupId>
  <artifactId>camel-jing</artifactId>
  <version>x.x.x</version>
  <!-- use the same version as your Camel core version -->
</dependency>
```

Note that the [MSV](#) component can also support RelaxNG XML syntax.

URI format Camel 2.15 or older

```
rng:someLocalOrRemoteResource
rnc:someLocalOrRemoteResource
```

Where **rng** means use the [RelaxNG XML Syntax](#) whereas **rnc** means use [RelaxNG Compact Syntax](#). The following examples show possible URI values

Example	Description
<code>rng:foo/bar.rng</code>	References the XML file foo/bar.rng on the classpath
<code>rnc: http://foo.com/bar.rnc</code>	References the RelaxNG Compact Syntax file from the URL, http://foo.com/bar.rnc

You can append query options to the URI in the following format, `?option=value&option=value&...`

URI format Camel 2.16

```
jing:someLocalOrRemoteResource
```

From Camel 2.16 the component use `jing` as name, and you can use the option `compactSyntax` to turn on either RNG or RNC mode.

Options

Option	Default	Description
<code>compactSyntax</code>	<code>false</code>	Whether to validate using RelaxNG compact syntax or not.

Example

The following [example](#) shows how to configure a route from the endpoint **direct:start** which then goes to one of two endpoints, either **mock:valid** or **mock:invalid** based on whether or not the XML matches the given [RelaxNG Compact Syntax](#) schema (which is supplied on the classpath).

Error rendering macro 'code': Invalid value specified for parameter 'java.lang.NullPointerException'

```
<camelContext xmlns="http://camel.apache.org/schema/spring">
  <route>
    <from uri="direct:start"/>
    <doTry>
      <to uri="jing:org/apache/camel/component/validator/jing/schema.rnc?compactSyntax=true"/>
      <to uri="mock:valid"/>
      <doCatch>
        <exception>org.apache.camel.ValidationException</exception>
        <to uri="mock:invalid"/>
      </doCatch>
      <doFinally>
        <to uri="mock:finally"/>
      </doFinally>
    </doTry>
  </route>
</camelContext>
```

See Also

- [Configuring Camel](#)
- [Component](#)
- [Endpoint](#)
- [Getting Started](#)